



Attachment 3 to  
Aminocyclopyrachlor  
**Human Health and Ecological Risk Assessment**

U.S. EPA/OPP Bibliography

Submitted to:

**Dr. Harold Thistle**

USDA Forest Service

Forest Health Technology Enterprise Team

180 Canfield St.

Morgantown, WV 26505

Email: [hthistle@fs.fed.us](mailto:hthistle@fs.fed.us)

USDA Forest Service Contract: **AG-3187-C-1 2-0009**

USDA Forest Order Number:

SERA Internal Task No.: 56-001

Submitted by:

Patrick R. Durkin

**Syracuse Environmental Research Associates, Inc.**

8125 Solomon Seal

Manlius, New York 13104

E-Mail: [SERA\\_INC@msn.com](mailto:SERA_INC@msn.com)

Home Page: [www.sera-inc.com](http://www.sera-inc.com)

July 9, 2012

## EPA Bibliography of Registrant Studies

Note: Bibliography obtained from EPA on March 08, 2012 through FOIA, HQ-FOI-0749-12. The registrant studies are sorted by Guideline Number and then MRID number. Studies/DERs obtained for risk assessment are in bold font.

6. EPA Bibliography of Registrant Studies .....	2
71-1:Avian Single Dose Oral Toxicity .....	5
71-2:Avian Dietary Toxicity.....	5
71-4:Avian Reproduction.....	5
122-1:Seed Germination/Seedling Emergence and Vegetable Vigor.....	5
123-1:Seed Germination/Seedling Emergence And Vegetative Vigor .....	5
161-3:Photodegradation-soil.....	5
162-1:Aerobic soil metabolism.....	5
162-2:Anaerobic soil metabolism .....	5
162-3:Anaerobic aquatic metabolism. ....	6
162-4:Aerobic aquatic metab.....	6
163-1 Leach/adsorp/desorption.....	6
164-1:Terrestrial field dissipation.....	6
164-2:Aquatic field dissipation.....	7
810.1000:Overview, Definitions, and General Considerations .....	7
830.1550:Product Identity and composition.....	8
830.1600:Description of materials used to produce the product .....	12
830.1620:Description of production process .....	16
830.1650:Description of formulation process.....	16
830.1670:Discusion of formation of impurities.....	20
830.1700:Preliminary analysis.....	24
830.1750:Certified limits .....	27
830.1800:Enforcement analytical method .....	30
830.6302 Color .....	34
830.6303:Physical state.....	38
830.6304 Odor .....	42
830.6313:Stability to normal and elevated temperatures, metals, and metal ions .....	46
830.6314:Oxidizing or reducing action .....	47
830.6315 Flammability .....	49
830.6316 Explodability.....	49

830.6317:Storage stability .....	50
830.6320:Corrosion characteristics.....	52
830.7000 pH.....	55
830.7050:UV/Visible absorption .....	58
830.7100 Viscosity .....	59
830.7200:Melting point/melting range .....	60
830.7220:Boiling point/boiling range.....	60
830.7300:Density/relative density .....	61
830.7370:Dissociation constants in water.....	65
830.7550:Partition coefficient (n-octanol/water), shake flask method.....	65
830.7840:Water solubility: Column elution method, shake flask method.....	65
830.7950:Vapor pressure .....	65
835.1230:Sediment and soil absorption/desorption for parent and degradates .....	65
835.2110:Hydrolysis as a function of pH .....	66
835.2410:Photodegradation of parent and degradates in soil.....	66
835.4200:Anaerobic soil metabolism .....	66
835.4300:Aerobic aquatic metabolism .....	66
835.6100:Terrestrial field dissipation.....	66
850.1010:Aquatic invertebrate acute toxicity, test, freshwater daphnids .....	67
850.1025:Oyster acute toxicity test (shell deposition).....	67
850.1035:Mysid acute toxicity test.....	67
850.1075:Fish acute toxicity test, freshwater and marine.....	67
850.1300:Daphnid chronic toxicity test.....	67
850.1400:Fish early-life stage toxicity test.....	68
850.2100:Avian acute oral toxicity test .....	68
850.2200:Avian dietary toxicity test.....	68
850.2300:Avian reproduction test.....	68
850.4100:Terrestrial plant toxicity, Tier 1 (seeding emergence).....	69
850.4150:Terrestrial plant toxicity, Tier 1 (vegetative vigor) .....	69
850.4225:Seedling emergence, Tier II.....	69
850.4250:Vegetative vigor, Tier II .....	69
850.4400:Aquatic plant toxicity test using Lemna spp. Tiers I and II.....	69
850.5400:Algal toxicity, Tiers 1 and II.....	70
860.1000 Background .....	70

860.1300:Nature of the residue - plants, livestock .....	70
860.1340:Residue analytical method .....	70
860.1360:Multiresidue method .....	72
860.1380:Storage stability data .....	72
860.1480 Meat/milk/poultry/eggs .....	72
860.1500:Crop field trials .....	72
860.1850:Confined accumulation in rotational crops .....	72
870.1100:Acute oral toxicity .....	73
870.1200:Acute dermal toxicity .....	73
870.1300:Acute inhalation toxicity .....	74
870.2400:Acute eye irritation .....	75
870.2500:Acute dermal irritation .....	76
870.2600:Skin sensitization .....	76
870.3100:90-Day oral toxicity in rodents .....	77
870.3150:90-day oral toxicity in nonrodents .....	78
870.3200:21/28-day dermal toxicity .....	78
870.3250:90-day dermal toxicity .....	78
870.3465:90-day inhalation toxicity .....	78
870.3700:Prenatal developmental toxicity study .....	78
870.3800:Reproduction and fertility effects .....	78
870.4100:Chronic toxicity .....	79
870.4200 Carcinogenicity .....	79
870.4300:Combined chronic toxicity/carcinogenicity .....	79
870.5100:Bacterial reverse mutation test .....	79
870.5300:In vitro mammalian cell gene mutation test .....	79
870.5375:In vitro mammalian chromosome aberration test .....	79
870.5395:Mammalian erythrocyte micronucleus test .....	79
870.6200:Neurotoxicity screening battery .....	79
870.7485:Metabolism and pharmacokinetics .....	80
870.7800 Immunotoxicity .....	80
875.2000:Background for post application exposure monitoring test guidelines .....	80
875.2100:Foliar dislodgeable residue dissipation .....	80
850.7100:Data reporting for environmental chemistry methods .....	80
Non-Guideline Study .....	81

### **71-1:Avian Single Dose Oral Toxicity**

47560118 Gallagher, S.; Beavers, J. (2007) DPX-MAT28 Technical: An Acute Oral Toxicity Study with the Northern Bobwhite. Project Number: 22031, 17163, 340. Unpublished study prepared by Wildlife International, Ltd. 54 p.

### **71-2:Avian Dietary Toxicity**

47560119 Hubbard, P.; Martin, K.; Beavers, J. (2007) DPX-MAT28 Technical: A Dietary LC50 Study with the Mallard. Project Number: 22380, 17163, 1620. Unpublished study prepared by Wildlife International, Ltd. 60 p.

47560120 Hubbard, P.; Martin, K.; Beavers, J. (2007) DPX-MAT28 Technical: A Dietary LC50 Study with the Northern Bobwhite. Project Number: 22381, 17163, 1619. Unpublished study prepared by Wildlife International, Ltd. 60 p.

### **71-4:Avian Reproduction**

47560122 Temple, D.; Martin, K.; Beavers, J.; et. al.; (2008) DPX-MAT28 Technical: A Reproduction Study with the Mallard. Project Number: 22422, 17163, 339. Unpublished study prepared by Wildlife International, Ltd. 205 p.

### **122-1:Seed Germination/Seedling Emergence and Vegetable Vigor**

47560132 Porch, J.; Martin, K. (2008) DPX-KJM44 80WG: A Greenhouse Study to Investigate the Effects on Seedling Emergence and Growth of Ten Terrestrial Plants Following Soil Exposure. Project Number: 112/610, 22802, 17328. Unpublished study prepared by Wildlife International, Ltd. 194 p. [Ester. Not being commercialized.]

### **123-1:Seed Germination/Seedling Emergence And Vegetative Vigor**

47560132 Porch, J.; Martin, K. (2008) DPX-KJM44 80WG: A Greenhouse Study to Investigate the Effects on Seedling Emergence and Growth of Ten Terrestrial Plants Following Soil Exposure. Project Number: 112/610, 22802, 17328. Unpublished study prepared by Wildlife International, Ltd. 194 p. Duplicate entry. [Ester. Not being commercialized.]

### **161-3:Photodegradation-soil**

47560213 Wardrope, L. (2008) Photodegradation of [Pyrimidine-2-(Carbon 14)]-DPX-MAT28 on Soil: Final Report. Project Number: DUPONT/22118, 807770. Unpublished study prepared by Charles River Laboratories. 76 p.

### **162-1:Aerobic soil metabolism**

47560214 Hirata, C.; Malekani, K.; Young, G. (2008) Aerobic Soil Metabolism of DPX-KJM44 (DPX-MAT28 Methyl Ester) in Soil. Project Number: DUPONT/22435. Unpublished study prepared by: E. I. Du Pont De Nemours and Co., Inc. 67 p.

### **162-2:Anaerobic soil metabolism**

47560215 Wardrope, L. (2008) Anaerobic Soil Metabolism of [Carbon 14]-DPX-MAT28. Project Number: DUPONT/22436, 807629. Unpublished study prepared by Charles River Laboratories . 60 p.

### **162-3:Anaerobic aquatic metabolism.**

**47560217** McCorquodale, G. (2008) Anaerobic Aquatic Metabolism of [Pyrimidine-2-(Carbon 14)]-DPX-MAT28 in a Water/Sediment System. Project Number: DUPONT/22114, 807765. Unpublished study prepared by Charles River Laboratories . 79 p.

### **162-4:Aerobic aquatic metab.**

**47560216** McCorquodale, G. (2008) Aerobic Aquatic Metabolism of {Pyrimidine-2-(Carbon 14)]-DPX-MAT28 in Two Water/Sediment Systems. Project Number: DUPONT/22115, 807634. Unpublished study prepared by Charles River Laboratories . 88 p.

### **163-1 Leach/adsorp/desorption**

**47560218** Manjunatha, S. (2008) (Carbon 14)-DPX-KJM44: Batch Equilibrium (Adsorption/Desorption) in Five Soils. Project Number: DUPONT/22368, G4825, D01/09/EFATE. Unpublished study prepared by Advinus Therapeutics Private Limited. 76 p.

**47560219** Manjunatha, S. (2008) (Carbon 14)-DPX-MAT28: Batch Equilibrium (Adsorption/Desorption) in Five Soils. Project Number: DUPONT/22433, G4822. Unpublished study prepared by Advinus Therapeutics Private Limited. 71 p.

**47560220** Manjunatha, S. (2008) Screening of Soils for Adsorption/Desorption Characteristics of (Carbon 14)-DPX-MAT28. Project Number: DUPONT/25432, G5252, D01/08/EFATE. Unpublished study prepared by Advinus Therapeutics Private Limited. 60 p.

### **164-1:Terrestrial field dissipation**

**47560222** Shepard, E. (2008) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX-KJM44 on Turf in Georgia, USA. Project Number: DUPONT/22526, 62625, 22584. Unpublished study prepared by ABC Laboratories, Inc. and Ag Research Associates and E. I. Du Pont De Nemours and Co., Inc. 259 p.

**47560223** Shepard, E. (2008) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX-KJM44 (Methyl Ester) on Turf in Ontario, Canada. Project Number: DUPONT/22529, 62626. Unpublished study prepared by ABC Laboratories, Inc. and Vaughn Agricultural Research Serv., Ltd. and E. I. Du Pont De Nemours and Co., Inc. 296 p.

**47560224** Shepard, E. (2008) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 (Methyl Ester) on Bare Soil in Ontario, Canada (Interim Report). Project Number: DUPONT/22527, 62685. Unpublished study prepared by ABC Laboratories, Inc. and Vaughn Agricultural Research Serv., Ltd. and E. I. Du Pont De Nemours and Co., Inc. 260 p.

**47575102** Shepard, E. (2008) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 (Methyl Ester) on Bare Soil in California, USA (Interim Report). Project Number: DUPONT/22528, 62686. Unpublished study prepared by ABC Laboratories, Inc., Research for Hire and E.I. du Pont de Nemours and Company. 294 p.

**48333611** Shepard, E. (2010) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX-KJM44 (Methyl Ester) on Bare Soil in Manitoba, Canada. Project Number: DUPONT/24604/REVISION/1, 63366. Unpublished study prepared by ABC Laboratories, Inc., ICMS, Inc. and DuPont Crop Protection. 228 p.

48333612 Shepard, E. (2009) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 (Methyl Ester) on Bare Soil in Washington, USA. Project Number: DUPONT/24395, 63364. Unpublished study prepared by ABC Laboratories, Inc., Qualls Ag Laboratory and DuPont Crop Protection. 228 p.

48333613 Shephard, E. (2010) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 (Methyl Ester) on Bare Soil in Ontario, Canada. Project Number: DUPONT/22527/REVISION/NO/1, 62685. Unpublished study prepared by ABC Laboratories, Inc., Vaughn Agricultural Research Serv., Ltd. and DuPont Crop Protection. 305 p.

48333614 Shepard, E. (2009) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX-KJM44 (Methyl Ester) on Bare Soil in California, USA. Project Number: DUPONT/22528, 62686. Unpublished study prepared by ABC Laboratories, Inc., Research for Hire and DuPont Crop Protection. 324 p.

### **164-2:Aquatic field dissipation**

48333615 Shepard, E. (2009) Aquatic Field Dissipation of DPX-MAT28 Herbicide Applied as DPX-KJM44 (Methyl Ester) to a Shallow Pond in California, USA. Project Number: DUPONT/24702, 63371. Unpublished study prepared by ABC Laboratories, Inc., Research for Hire and DuPont Crop Protection. 315 p.

47575102 Shepard, E. (2008) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 (Methyl Ester) on Bare Soil in California, USA (Interim Report). Project Number: DUPONT/22528, 62686. Unpublished study prepared by ABC Laboratories, Inc., Research for Hire and E.I. du Pont de Nemours and Company. 294 p.

### **810.1000:Overview, Definitions, and General Considerations**

48218509 Duskocil, J.; Cords, K. (2010) Three Month Residual Control of Dollarweed and Florida Betony with Low Rates of Aminocyclopyrachlor (MAT28). Project Number: SS/271A. Unpublished study prepared by The Scotts Company. 26 p.

48218510 Duskocil, J.; Cords, K. (2010) Six Month Residual Control of Common Dandelion and White Clover with Aminocyclopyrachlor (MAT28). Project Number: SS/271B. Unpublished study prepared by The Scotts Company. 23 p.

48218511 Duskocil, J.; Cords, K. (2010) Fast Action of Aminocyclopyrachlor (MAT28) against Multiple Weed Species. Project Number: SS/271D. Unpublished study prepared by The Scotts Company. 18 p.

48218512 Duskocil, J.; Cords, K. (2010) Rain Fast Properties of Multiple Formulations of Aminocyclopyrachlor (MAT28) (Common Dandelion, White Clover). Project Number: SS/271C. Unpublished study prepared by The Scotts Company. 19 p.

48218513 Duskocil, J.; Cords, K. (2010) Root and Shoot Activity of Aminocyclopyrachlor (MAT28) as Demonstrated with Common Dandelion in a Hydroponic System. Project Number: SS/271E. Unpublished study prepared by The Scotts Company. 14 p.

48218514 Duskocil, J.; Cords, K.; Kindel, J. (2010) Effects of Aminocyclopyrachlor (MAT28) as Demonstrated on Various Outdoor Surfaces. Project Number: SS/271F. Unpublished study prepared by The Scotts Company. 17 p.

48224105 Baker, R. (2010) Four Month Control of Dollarweed (Pennywort) with following Application of Aminocyclopyrachlor (MAT28) on Granular Fertilizer. Unpublished study prepared by The Scotts Company. 11 p.

48225305 Baker, R. (2010) Four Month Control of Dandelion and White Clover Following Application of Aminocyclopyrachlor (MAT28) on Granular Fertilizer. Unpublished study prepared by The Scotts Company. 23 p.

48663301 Baker, R. (2009) Biodegradability of Aminocyclopyrachlor in Treated Grass during Yard Trimmings Composting. Unpublished study prepared by The Scotts Company. 25p.

48663302 Baker, R. (2009) Dissipation of Aminocyclopyrachlor from Turfgrass Clippings - 2008. Unpublished study prepared by The Scotts Company. 11p.

48663303 Baker, R. (2011) Dissipation of Aminocyclopyrachlor from Turfgrass Clippings - 2010. Unpublished study prepared by The Scotts Company. 8p.

48663304 Baker, R. (2011) Long-Term Biodegradability of Aminocyclopyrachlor during the Composting Yard Trimmings. Unpublished study prepared by The Scotts Company. 19p.

48663305 Baker, R. (2011) Effects of Compost Containing Aminocyclopyrachlor or Clopyralid on the Growth and Development of Seeded and Transplanted Flowers and Vegetables. Unpublished study prepared by The Scotts Company. 24p.

48663306 Baker, R. (2009) MAT28/KJM44 Off-Target Ornamental Injury - Planting in of Annuals. Unpublished study prepared by The Scotts Company. 21p.

48663307 Baker, R. (2010) MAT28/KJM44 Off-Target Ornamental Injury - Perennials & Annuals. Unpublished study prepared by The Scotts Company. 24p.

48663308 Baker, R. (2010) Bedding Plant Phytotoxicity with Aminocyclopyrachlor - 2010. Unpublished study prepared by The Scotts Company. 17p.

48719301 Baker, R. (2011) Aminocyclopyrachlor in Clippings and Potential Risk for Florida Compost Contamination. Unpublished study prepared by The Scotts Company. 7p.

### **830.1550:Product Identity and composition**

47559801 Roman, R.; Jiang, C. (2008) Aminocyclopyrachlor (DPX-MAT28) Identity, Composition, and Certified Limits. Project Number: DUPONT/23884, DPX/MAT28. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 13 p.

47559821 Jiang, C.; Roman, R. (2008) Aminocyclopyrachlor Methyl Ester (DPX-KJM44) Identity, Composition, and Certified Limits. Project Number: DUPONT/23882. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 9 p.

47559905 Roche, R. (2008) Product Identity and Composition of End-use Product Aminocyclopyrachlor Methyl (DPX-KJM44) 80WG. Project Number: DUPONT/23547. Unpublished study prepared by DuPont Crop Protection. 57 p.

47559908 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 240SL. Project Number: DUPONT/22902. Unpublished study prepared by DuPont Crop Protection. 56 p.

47559911 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 50 SG. Project Number: DUPONT/26442. Unpublished study prepared by DuPont Crop Protection. 61 p.

47559914 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor Methyl (DPX-KJM44) 10% Manufacturing Use Product. Project Number: DUPONT/22901. Unpublished study prepared by DuPont Crop Protection. 33 p.

47559916 Brown, P. (2008) Product Identity and Composition of End-Use Product Aminocyclochlor Methyl (DPXKJM44) Granules. Project Number: DUPONT/22900. Unpublished study prepared by DuPont Crop Protection. 63 p.

47559918 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80 WG/Chlorcufuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37), A Blend of Water Dispersible Granules (42.1% + 11.9% + 23.7% Active). Project Number: DUPONT/25708. Unpublished study prepared by DuPont Crop Protection. 42 p.

47559921 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2B38), A Blend of Water Dispersible Granules (28.7% + 37.3% + 8.6 % Active). Project Number: DUPONT/25709. Unpublished study prepared by DuPont Crop Protection. 42 p.

47559924 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Metsulfuron Methyl 60WG (DPX-Q2B39), A Blend of Water Dispersible Granules (57.1% + 17.2% Active). Project Number: DUPONT/25436. Unpublished study prepared by DuPont Crop Protection. 34 p.

47559927 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Chlorsulfuron 75WG (DPX-QKJ02), A Blend of Water Dispersible Granules (57.1% + 21.4 5 Active). Project Number: DUPONT/25716. Unpublished study prepared by DuPont Crop Protection. 34 p.

47559930 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) 10% Manufacturing Use Product. Project Number: DUPONT/26938. Unpublished study prepared by DuPont Crop Protection. 33 p.

47559931 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: DUPONT/26937. Unpublished study prepared by DuPont Crop Protection. 40 p.

47781601 Roche, R. (2009) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Chlorsulfuron 75WG (DPX-Q2K06), A Blend of Extruded Granules (39.5% + 15.8% Active). Project Number: DUPONT/27228, M000628. Unpublished study prepared by E.I. du Pont de Nemours and Company. 35 p.

47781604 Roche, R. (2009) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50 SG/Chlorsulfuron 75 WG/Sulfometuron Methyl 75WG (DPX-Q2K11), A Blend of Extruded Granules (31.2% + 9.4%+ 18.7% Active). Project Number: DUPONT/27230. Unpublished study prepared by E.I. du Pont de Nemours and Company. 42 p.

47781607 Roche, R. (2009) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (DPX-Q2K13), A Blend of Extruded Granules (39.5% + 12.6% Active). Project Number: DUPONT/27682. Unpublished study prepared by E.I. du Pont de Nemours and Company. 35 p.

47781610 Roche, R. (2009) Product Identity and Composition of End-use Product Aminocyclopyrachlor 50 SG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2K12), A Blend of Extruded Granules (22.8% + 31.6% + 7.3% Active). Project Number: DUPONT/27229. Unpublished study prepared by E.I. du Pont de Nemours and Company. 43 p.

47933001 Brown, P. (2009) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) 10% Manufacturing Use Product. Project Number: 26938/REVISION/NO/1. Unpublished study prepared by DuPont Crop Protection. 33 p.

47962001 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 50SG. Project Number: 26442. Unpublished study prepared by E.I. du Pont de Nemours and Company. 54 p.

47962002 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 240SL. Project Number: 22902. Unpublished study prepared by E.I. du Pont de Nemours and Company. 55 p.

48066601 Brown, P. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl (DPX-KJM44) Granules. Project Number: 22900. Unpublished study prepared by E.I. Du Pont De Nemours and Company. 49 p.

48066602 Brown, P. (2010) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: 26937. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. (S300/419). 41 p.

48102401 Brown, P. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl (DPX-KJM44) Granules. Project Number: 22900. Unpublished study prepared by DuPont Crop Protection. 47 p.

48116301 Brown, P. (2010) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: 26937. Unpublished study prepared by E.I. Du Pont De Nemours and Company. 40 p.

48218001 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N RTU. Project Number: SS/266A, GLP019/00. Unpublished study prepared by The Scotts Company. 54 p.

48218201 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT 28S RTU. Project Number: SS/227A, GLP019/00. Unpublished study prepared by The Scotts Company. 42 p.

48218203 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28S RTU (Alternate A). Project Number: SS/265A, GLP019/00. Unpublished study prepared by The Scotts Company. 54 p.

48218501 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28NS CONC. Project Number: SS/248A, GLP019/00. Unpublished study prepared by The Scotts Company. 33 p.

48224001 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 65 MAT Weed & Feed. Project Number: SS/257A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48224002 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 65 MAT Weed & Feed. Project Number: SS/253A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48225301 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 55 MAT Weed & Feed. Project Number: SS/255A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48225302 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 55 MAT Weed & Feed. Project Number: SS/251A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48225401 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 60 MAT Weed & Feed. Project Number: SS/256A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48225402 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 60 MAT Weed & Feed. Project Number: SS/252A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48235801 Roman, R.; Taylor, E. (2010) Aminocyclopyrachlor (DPX-MAT28) Identity, Composition, and Certified Limits. Project Number: DUPONT/23884/REVISION/NO/1. Unpublished study prepared by DuPont Crop Protection. 14 p.

48245101 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPG-Q2K12), a Blend of Extruded Granules (22.8% + 31.6% + 7.3% Active). Project Number: DUPONT/27229. Unpublished study prepared by E.I. du Pont de Nemours and Company. 43 p.

48245201 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Chlorsulfuron 75WG (DPX-Q2K06), A Blend of Extruded Granules (39.5% + 15.8% Active). Project Number: DUPONT/27228. Unpublished study prepared by E.I. du Pont de Nemours and Company. 35 p.

48245301 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2K11), A Blend of Extruded Granules (31.2% + 9.4% + 18.7% Active). Project Number: DUPONT/27230. Unpublished study prepared by E.I. du Pont de Nemours and Company. 43 p.

48245401 Roche, R. (2010) Product Identity And Composition of End-use Product Aminocyclopyrachlor 50 SG/ Metsulfuron Methyl 60 WG(DPX- Q2K13), A Blend of Extruded Granules (39.5% +12.6 % Active). Project Number: DUPONT/27682. Unpublished study prepared by DuPont Crop Protection. 35 p.

48292901 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N Combo RTU. Project Number: SS/263A, GLP028/00, GLP019/00. Unpublished study prepared by The Scotts Company. 49 p.

48316901 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N Combo Concentrate. Project Number: SS/275A. Unpublished study prepared by The Scotts Company. 49 p.

48333601 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (DPX-RDQ98), a Blend of Extruded Granules (44.4% + 6.7% Active). Project Number: DUPONT/30095. Unpublished study prepared by DuPont Crop Protection. 32 p.

### **830.1600:Description of materials used to produce the product**

47559802 Roman, R.; Jiang, C. (2008) Technical Grade Aminocyclopyrachlor (DPX-MAT28) Manufacturing Description and Formation of Impurities. Project Number: DUPONT/233883. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 94 p.

47559822 Roman, R.; Jiang, C. (2008) Technical Grade Aminocyclopyrachlor Methyl Ester (DPX-KJM44) Manufacturing Description and Formation of Impurities . Project Number: DUPONT/23881. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 77 p.

47559905 Roche, R. (2008) Product Identity and Composition of End-use Product Aminocyclopyrachlor Methyl (DPX-KJM44) 80WG. Project Number: DUPONT/23547. Unpublished study prepared by DuPont Crop Protection. 57 p.

47559908 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 240SL. Project Number: DUPONT/22902. Unpublished study prepared by DuPont Crop Protection. 56 p.

47559911 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 50 SG. Project Number: DUPONT/26442. Unpublished study prepared by DuPont Crop Protection. 61 p.

47559914 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor Methyl (DPX-KJM44) 10% Manufacturing Use Product. Project Number: DUPONT/22901. Unpublished study prepared by DuPont Crop Protection. 33 p.

47559916 Brown, P. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl (DPXKJM44) Granules. Project Number: DUPONT/22900. Unpublished study prepared by DuPont Crop Protection. 63 p.

47559918 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80 WG/Chorculfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37), A Blend of Water Dispersible Granules (42.1% + 11.9% + 23.7% Active). Project Number: DUPONT/25708. Unpublished study prepared by DuPont Crop Protection. 42 p.

47559918 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80 WG/Chorculfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37), A Blend of Water Dispersible Granules (42.1% + 11.9% + 23.7% Active). Project Number: DUPONT/25708. Unpublished study prepared by DuPont Crop Protection. 42 p.

47559921 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2B38), A Blend of Water Dispersible Granules (28.7% + 37.3% + 8.6 % Active). Project Number: DUPONT/25709. Unpublished study prepared by DuPont Crop Protection. 42 p.

47559924 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Metsulfuron Methyl 60WG (DPX-Q2B39), A Blend of Water Dispersible Granules (57.1% + 17.2% Active). Project Number: DUPONT/25436. Unpublished study prepared by DuPont Crop Protection. 34 p.

47559924 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Metsulfuron Methyl 60WG (DPX-Q2B39), A Blend of Water Dispersible Granules (57.1% + 17.2% Active). Project Number: DUPONT/25436. Unpublished study prepared by DuPont Crop Protection. 34 p.

47559927 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Chlorsulfuron 75WG (DPX-QKJ02), A Blend of Water Dispersible Granules (57.1% + 21.4 5 Active). Project Number: DUPONT/25716. Unpublished study prepared by DuPont Crop Protection. 34 p.

47559930 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) 10% Manufacturing Use Product. Project Number: DUPONT/26938. Unpublished study prepared by DuPont Crop Protection. 33 p.

47559931 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: DUPONT/26937. Unpublished study prepared by DuPont Crop Protection. 40 p.

47781601 Roche, R. (2009) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Chlorsulfuron 75WG (DPX-Q2K06), A Blend of Extruded Granules (39.5% + 15.8% Active). Project Number: DUPONT/27228, M000628. Unpublished study prepared by E.I. du Pont de Nemours and Company. 35 p.

47781604 Roche, R. (2009) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50 SG/Chlorsulfuron 75 WG/Sulfometuron Methyl 75WG (DPX-Q2K11), A Blend of Extruded Granules (31.2% + 9.4%+ 18.7% Active). Project Number: DUPONT/27230. Unpublished study prepared by E.I. du Pont de Nemours and Company. 42 p.

47781607 Roche, R. (2009) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (DPX-Q2K13), A Blend of Extruded Granules (39.5% + 12.6% Active). Project Number: DUPONT/27682. Unpublished study prepared by E.I. du Pont de Nemours and Company. 35 p.

47781610 Roche, R. (2009) Product Identity and Composition of End-use Product Aminocyclopyrachlor 50 SG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2K12), A Blend of Extruded Granules (22.8% + 31.6% + 7.3% Active). Project Number: DUPONT/27229. Unpublished study prepared by E.I. du Pont de Nemours and Company. 43 p.

47933001 Brown, P. (2009) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) 10% Manufacturing Use Product. Project Number: 26938/REVISION/NO/1. Unpublished study prepared by DuPont Crop Protection. 33 p.

47933101 Brown, P. (2009) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor Methyl (DPX-KJM44) 10% Manufacturing Use Product. Project Number: 29901/REVISION/NO/1. Unpublished study prepared by E. I. du Pont de Nemours and Co., Inc. (S300/419). 33 p.

47962001 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 50SG. Project Number: 26442. Unpublished study prepared by E.I. du Pont de Nemours and Company. 54 p.

47962002 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 240SL. Project Number: 22902. Unpublished study prepared by E.I. du Pont de Nemours and Company. 55 p.

48066601 Brown, P. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl (DPX-KJM44) Granules. Project Number: 22900. Unpublished study prepared by E.I. Du Pont De Nemours and Company. 49 p.

48066602 Brown, P. (2010) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: 26937. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. (S300/419). 41 p.

48102401 Brown, P. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl (DPX-KJM44) Granules. Project Number: 22900. Unpublished study prepared by DuPont Crop Protection. 47 p.

48116301 Brown, P. (2010) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: 26937. Unpublished study prepared by E.I. Du Pont De Nemours and Company. 40 p.

48116301 Brown, P. (2010) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: 26937. Unpublished study prepared by E.I. Du Pont De Nemours and Company. 40 p.

48218001 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N RTU. Project Number: SS/266A, GLP019/00. Unpublished study prepared by The Scotts Company. 54 p.

48218201 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT 28S RTU. Project Number: SS/227A, GLP019/00. Unpublished study prepared by The Scotts Company. 42 p.

48218203 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28S RTU (Alternate A). Project Number: SS/265A, GLP019/00. Unpublished study prepared by The Scotts Company. 54 p.

48218501 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28NS CONC. Project Number: SS/248A, GLP019/00. Unpublished study prepared by The Scotts Company. 33 p.

48224001 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 65 MAT Weed & Feed. Project Number: SS/257A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48224002 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 65 MAT Weed & Feed. Project Number: SS/253A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48224101 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 18 MAT Weed & Feed. Project Number: SS/254A. Unpublished study prepared by The Scotts Company. 24 p.

48224102 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 18 MAT Weed & Feed. Project Number: SS/250A. Unpublished study prepared by The Scotts Company. 31 p.

48225301 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 55 MAT Weed & Feed. Project Number: SS/255A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48225302 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 55 MAT Weed & Feed. Project Number: SS/251A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48225401 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 60 MAT Weed & Feed. Project Number: SS/256A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48225402 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 60 MAT Weed & Feed. Project Number: SS/252A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48235804 Roman, R.; Taylor, E. (2010) Technical Grade Aminocyclopyrachlor (DPX-MAT28) Manufacturing Description and Formation of Impurities. Project Number: 30908. Unpublished study prepared by DuPont Crop Protection. 187 p.

48245101 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPG-Q2K12), a Blend of Extruded Granules (22.8% + 31.6% + 7.3% Active). Project Number: DUPONT/27229. Unpublished study prepared by E.I. du Pont de Nemours and Company. 43 p.

48245201 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Chlorsulfuron 75WG (DPX-Q2K06), A Blend of Extruded Granules (39.5% + 15.8% Active). Project Number: DUPONT/27228. Unpublished study prepared by E.I. du Pont de Nemours and Company. 35 p.

48245301 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2K11), A Blend of Extruded Granules (31.2% + 9.4% + 18.7% Active). Project Number: DUPONT/27230. Unpublished study prepared by E.I. du Pont de Nemours and Company. 43 p.

48245401 Roche, R. (2010) Product Identity And Composition of End-use Product Aminocyclopyrachlor 50 SG/ Metsulfuron Methyl 60 WG(DPX- Q2K13), A Blend of Extruded Granules (39.5% +12.6 % Active). Project Number: DUPONT/27682. Unpublished study prepared by DuPont Crop Protection. 35 p.

48292901 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N Combo RTU. Project Number: SS/263A, GLP028/00, GLP019/00. Unpublished study prepared by The Scotts Company. 49 p.

48316901 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N Combo Concentrate. Project Number: SS/275A. Unpublished study prepared by The Scotts Company. 49 p.

48333601 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (DPX-RDQ98), a Blend of Extruded Granules (44.4% + 6.7% Active). Project Number: DUPONT/30095. Unpublished study prepared by DuPont Crop Protection. 32 p.

48720203 Roman, R.; Taylor, E. (2011) Technical Grade Aminocyclopyrachlor (DPX-MAT28) Manufacturing Description and Formation of Impurities. Project Number: DUPONT/30908/REVISION/NO/1. Unpublished study prepared by DuPont Crop Protection. 192p.

### **830.1620:Description of production process**

47559802 Roman, R.; Jiang, C. (2008) Technical Grade Aminocyclopyrachlor (DPX-MAT28) Manufacturing Description and Formation of Impurities. Project Number: DUPONT/233883. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 94 p.

47559822 Roman, R.; Jiang, C. (2008) Technical Grade Aminocyclopyrachlor Methyl Ester (DPX-KJM44) Manufacturing Description and Formation of Impurities . Project Number: DUPONT/23881. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 77 p.

48235804 Roman, R.; Taylor, E. (2010) Technical Grade Aminocyclopyrachlor (DPX-MAT28) Manufacturing Description and Formation of Impurities. Project Number: 30908. Unpublished study prepared by DuPont Crop Protection. 187 p.

48720203 Roman, R.; Taylor, E. (2011) Technical Grade Aminocyclopyrachlor (DPX-MAT28) Manufacturing Description and Formation of Impurities. Project Number: DUPONT/30908/REVISION/NO/1. Unpublished study prepared by DuPont Crop Protection. 192p.

### **830.1650:Description of formulation process**

47559905 Roche, R. (2008) Product Identity and Composition of End-use Product Aminocyclopyrachlor Methyl (DPX-KJM44) 80WG. Project Number: DUPONT/23547. Unpublished study prepared by DuPont Crop Protection. 57 p.

47559908 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 240SL. Project Number: DUPONT/22902. Unpublished study prepared by DuPont Crop Protection. 56 p.

47559911 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 50 SG. Project Number: DUPONT/26442. Unpublished study prepared by DuPont Crop Protection. 61 p.

47559914 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor Methyl (DPX-KJM44) 10% Manufacturing Use Product. Project Number: DUPONT/22901. Unpublished study prepared by DuPont Crop Protection. 33 p.

47559916 Brown, P. (2008) Product Identity and Composition of End-Use Product Aminocyclochlor Methyl (DPXKJM44) Granules. Project Number: DUPONT/22900. Unpublished study prepared by DuPont Crop Protection. 63 p.

47559918 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80 WG/Chlorcufuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37), A Blend of Water Dispersible Granules (42.1% + 11.9% + 23.7% Active). Project Number: DUPONT/25708. Unpublished study prepared by DuPont Crop Protection. 42 p.

47559918 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80 WG/Chlorcufuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37), A Blend of Water Dispersible Granules (42.1% + 11.9% + 23.7% Active). Project Number: DUPONT/25708. Unpublished study prepared by DuPont Crop Protection. 42 p.

47559921 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2B38), A Blend of Water Dispersible Granules (28.7% + 37.3% + 8.6 % Active). Project Number: DUPONT/25709. Unpublished study prepared by DuPont Crop Protection. 42 p.

47559924 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Metsulfuron Methyl 60WG (DPX-Q2B39), A Blend of Water Dispersible Granules (57.1% + 17.2% Active). Project Number: DUPONT/25436. Unpublished study prepared by DuPont Crop Protection. 34 p.

47559924 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Metsulfuron Methyl 60WG (DPX-Q2B39), A Blend of Water Dispersible Granules (57.1% + 17.2% Active). Project Number: DUPONT/25436. Unpublished study prepared by DuPont Crop Protection. 34 p.

47559927 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Chlorsulfuron 75WG (DPX-QKJ02), A Blend of Water Dispersible Granules (57.1% + 21.4 5 Active). Project Number: DUPONT/25716. Unpublished study prepared by DuPont Crop Protection. 34 p.

47559930 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) 10% Manufacturing Use Product. Project Number: DUPONT/26938. Unpublished study prepared by DuPont Crop Protection. 33 p.

47559931 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: DUPONT/26937. Unpublished study prepared by DuPont Crop Protection. 40 p.

47781601 Roche, R. (2009) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Chlorsulfuron 75WG (DPX-Q2K06), A Blend of Extruded Granules (39.5% + 15.8% Active). Project Number: DUPONT/27228, M000628. Unpublished study prepared by E.I. du Pont de Nemours and Company. 35 p.

47781604 Roche, R. (2009) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50 SG/Chlorsulfuron 75 WG/Sulfometuron Methyl 75WG (DPX-Q2K11), A Blend of Extruded Granules (31.2% + 9.4%+ 18.7% Active). Project Number: DUPONT/27230. Unpublished study prepared by E.I. du Pont de Nemours and Company. 42 p.

47781607 Roche, R. (2009) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (DPX-Q2K13), A Blend of Extruded Granules (39.5% + 12.6% Active). Project Number: DUPONT/27682. Unpublished study prepared by E.I. du Pont de Nemours and Company. 35 p.

47781610 Roche, R. (2009) Product Identity and Composition of End-use Product Aminocyclopyrachlor 50 SG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2K12), A Blend of Extruded Granules (22.8% + 31.6% + 7.3% Active). Project Number: DUPONT/27229. Unpublished study prepared by E.I. du Pont de Nemours and Company. 43 p.

47933001 Brown, P. (2009) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) 10% Manufacturing Use Product. Project Number: 26938/REVISION/NO/1. Unpublished study prepared by DuPont Crop Protection. 33 p.

47933101 Brown, P. (2009) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor Methyl (DPX-KJM44) 10% Manufacturing Use Product. Project Number: 29901/REVISION/NO/1. Unpublished study prepared by E. I. du Pont de Nemours and Co., Inc. (S300/419). 33 p.

47962001 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 50SG. Project Number: 26442. Unpublished study prepared by E.I. du Pont de Nemours and Company. 54 p.

47962002 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 240SL. Project Number: 22902. Unpublished study prepared by E.I. du Pont de Nemours and Company. 55 p.

48066601 Brown, P. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl (DPX-KJM44) Granules. Project Number: 22900. Unpublished study prepared by E.I. Du Pont De Nemours and Company. 49 p.

48066602 Brown, P. (2010) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: 26937. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. (S300/419). 41 p.

48102401 Brown, P. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl (DPX-KJM44) Granules. Project Number: 22900. Unpublished study prepared by DuPont Crop Protection. 47 p.

48116301 Brown, P. (2010) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: 26937. Unpublished study prepared by E.I. Du Pont De Nemours and Company. 40 p.

48116301 Brown, P. (2010) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: 26937. Unpublished study prepared by E.I. Du Pont De Nemours and Company. 40 p.

48218001 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N RTU. Project Number: SS/266A, GLP019/00. Unpublished study prepared by The Scotts Company. 54 p.

48218201 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT 28S RTU. Project Number: SS/227A, GLP019/00. Unpublished study prepared by The Scotts Company. 42 p.

48218203 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28S RTU (Alternate A). Project Number: SS/265A, GLP019/00. Unpublished study prepared by The Scotts Company. 54 p.

48218501 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28NS CONC. Project Number: SS/248A, GLP019/00. Unpublished study prepared by The Scotts Company. 33 p.

48224001 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 65 MAT Weed & Feed. Project Number: SS/257A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48224002 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 65 MAT Weed & Feed. Project Number: SS/253A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48224101 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 18 MAT Weed & Feed. Project Number: SS/254A. Unpublished study prepared by The Scotts Company. 24 p.

48224102 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 18 MAT Weed & Feed. Project Number: SS/250A. Unpublished study prepared by The Scotts Company. 31 p.

48225301 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 55 MAT Weed & Feed. Project Number: SS/255A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48225302 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 55 MAT Weed & Feed. Project Number: SS/251A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48225401 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 60 MAT Weed & Feed. Project Number: SS/256A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48225402 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 60 MAT Weed & Feed. Project Number: SS/252A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48245101 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPG-Q2K12), a Blend of Extruded Granules (22.8% + 31.6% + 7.3% Active). Project Number: DUPONT/27229. Unpublished study prepared by E.I. du Pont de Nemours and Company. 43 p.

48245201 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Chlorsulfuron 75WG (DPX-Q2K06), A Blend of Extruded Granules (39.5% + 15.8% Active). Project Number: DUPONT/27228. Unpublished study prepared by E.I. du Pont de Nemours and Company. 35 p.

48245301 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2K11), A Blend of Extruded Granules (31.2% + 9.4% + 18.7% Active). Project Number: DUPONT/27230. Unpublished study prepared by E.I. du Pont de Nemours and Company. 43 p.

48245401 Roche, R. (2010) Product Identity And Composition of End-use Product Aminocyclopyrachlor 50 SG/ Metsulfuron Methyl 60 WG(DPX- Q2K13), A Blend of Extruded Granules (39.5% +12.6 % Active). Project Number: DUPONT/27682. Unpublished study prepared by DuPont Crop Protection. 35 p.

48292901 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N Combo RTU. Project Number: SS/263A, GLP028/00, GLP019/00. Unpublished study prepared by The Scotts Company. 49 p.

48316901 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N Combo Concentrate. Project Number: SS/275A. Unpublished study prepared by The Scotts Company. 49 p.

48333601 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (DPX-RDQ98), a Blend of Extruded Granules (44.4% + 6.7% Active). Project Number: DUPONT/30095. Unpublished study prepared by DuPont Crop Protection. 32 p.

### **830.1670:Discussion of formation of impurities**

47559802 Roman, R.; Jiang, C. (2008) Technical Grade Aminocyclopyrachlor (DPX-MAT28) Manufacturing Description and Formation of Impurities. Project Number: DUPONT/233883. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 94 p.

47559822 Roman, R.; Jiang, C. (2008) Technical Grade Aminocyclopyrachlor Methyl Ester (DPX-KJM44) Manufacturing Description and Formation of Impurities . Project Number: DUPONT/23881. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 77 p.

47559905 Roche, R. (2008) Product Identity and Composition of End-use Product Aminocyclopyrachlor Methyl (DPX-KJM44) 80WG. Project Number: DUPONT/23547. Unpublished study prepared by DuPont Crop Protection. 57 p.

47559908 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 240SL. Project Number: DUPONT/22902. Unpublished study prepared by DuPont Crop Protection. 56 p.

47559911 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 50 SG. Project Number: DUPONT/26442. Unpublished study prepared by DuPont Crop Protection. 61 p.

47559914 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor Methyl (DPX-KJM44) 10% Manufacturing Use Product. Project Number: DUPONT/22901. Unpublished study prepared by DuPont Crop Protection. 33 p.

47559916 Brown, P. (2008) Product Identity and Composition of End-Use Product Aminocyclochlor Methyl (DPXKJM44) Granules. Project Number: DUPONT/22900. Unpublished study prepared by DuPont Crop Protection. 63 p.

47559918 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80 WG/Chlorculfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37), A Blend of Water Dispersible Granules (42.1% + 11.9% + 23.7% Active). Project Number: DUPONT/25708. Unpublished study prepared by DuPont Crop Protection. 42 p.

47559921 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2B38), A Blend of Water Dispersible Granules (28.7% + 37.3% + 8.6 % Active). Project Number: DUPONT/25709. Unpublished study prepared by DuPont Crop Protection. 42 p.

47559924 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Metsulfuron Methyl 60WG (DPX-Q2B39), A Blend of Water Dispersible Granules (57.1% + 17.2% Active). Project Number: DUPONT/25436. Unpublished study prepared by DuPont Crop Protection. 34 p.

47559927 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Chlorsulfuron 75WG (DPX-QKJ02), A Blend of Water Dispersible Granules (57.1% + 21.4 5 Active). Project Number: DUPONT/25716. Unpublished study prepared by DuPont Crop Protection. 34 p.

47559930 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) 10% Manufacturing Use Product. Project Number: DUPONT/26938. Unpublished study prepared by DuPont Crop Protection. 33 p.

47559931 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: DUPONT/26937. Unpublished study prepared by DuPont Crop Protection. 40 p.

47781601 Roche, R. (2009) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Chlorsulfuron 75WG (DPX-Q2K06), A Blend of Extruded Granules (39.5% + 15.8% Active). Project Number: DUPONT/27228, M000628. Unpublished study prepared by E.I. du Pont de Nemours and Company. 35 p.

47781604 Roche, R. (2009) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50 SG/Chlorsulfuron 75 WG/Sulfometuron Methyl 75WG (DPX-Q2K11), A Blend of Extruded Granules (31.2% + 9.4%+ 18.7% Active). Project Number: DUPONT/27230. Unpublished study prepared by E.I. du Pont de Nemours and Company. 42 p.

47781607 Roche, R. (2009) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (DPX-Q2K13), A Blend of Extruded Granules (39.5% + 12.6% Active). Project Number: DUPONT/27682. Unpublished study prepared by E.I. du Pont de Nemours and Company. 35 p.

47781610 Roche, R. (2009) Product Identity and Composition of End-use Product Aminocyclopyrachlor 50 SG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2K12), A Blend of Extruded Granules (22.8% + 31.6% + 7.3% Active). Project Number: DUPONT/27229. Unpublished study prepared by E.I. du Pont de Nemours and Company. 43 p.

47933001 Brown, P. (2009) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) 10% Manufacturing Use Product. Project Number: 26938/REVISION/NO/1. Unpublished study prepared by DuPont Crop Protection. 33 p.

47962001 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 50SG. Project Number: 26442. Unpublished study prepared by E.I. du Pont de Nemours and Company. 54 p.

47962002 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 240SL. Project Number: 22902. Unpublished study prepared by E.I. du Pont de Nemours and Company. 55 p.

48066601 Brown, P. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl (DPX-KJM44) Granules. Project Number: 22900. Unpublished study prepared by E.I. Du Pont De Nemours and Company. 49 p.

48066602 Brown, P. (2010) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: 26937. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. (S300/419). 41 p.

48102401 Brown, P. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl (DPX-KJM44) Granules. Project Number: 22900. Unpublished study prepared by DuPont Crop Protection. 47 p.

48116301 Brown, P. (2010) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: 26937. Unpublished study prepared by E.I. Du Pont De Nemours and Company. 40 p.

48218001 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N RTU. Project Number: SS/266A, GLP019/00. Unpublished study prepared by The Scotts Company. 54 p.

48218201 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT 28S RTU. Project Number: SS/227A, GLP019/00. Unpublished study prepared by The Scotts Company. 42 p.

48218203 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28S RTU (Alternate A). Project Number: SS/265A, GLP019/00. Unpublished study prepared by The Scotts Company. 54 p.

48218501 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28NS CONC. Project Number: SS/248A, GLP019/00. Unpublished study prepared by The Scotts Company. 33 p.

48224001 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 65 MAT Weed & Feed. Project Number: SS/257A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48224002 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 65 MAT Weed & Feed. Project Number: SS/253A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48224101 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 18 MAT Weed & Feed. Project Number: SS/254A. Unpublished study prepared by The Scotts Company. 24 p.

48224102 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 18 MAT Weed & Feed. Project Number: SS/250A. Unpublished study prepared by The Scotts Company. 31 p.

48225301 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 55 MAT Weed & Feed. Project Number: SS/255A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48225302 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 55 MAT Weed & Feed. Project Number: SS/251A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48225401 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 60 MAT Weed & Feed. Project Number: SS/256A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48225402 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 60 MAT Weed & Feed. Project Number: SS/252A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48235804 Roman, R.; Taylor, E. (2010) Technical Grade Aminocyclopyrachlor (DPX-MAT28) Manufacturing Description and Formation of Impurities. Project Number: 30908. Unpublished study prepared by DuPont Crop Protection. 187 p.

48245101 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPG-Q2K12), a Blend of Extruded Granules (22.8% + 31.6% + 7.3% Active). Project Number: DUPONT/27229. Unpublished study prepared by E.I. du Pont de Nemours and Company. 43 p.

48245201 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Chlorsulfuron 75WG (DPX-Q2K06), A Blend of Extruded Granules (39.5% + 15.8% Active). Project Number: DUPONT/27228. Unpublished study prepared by E.I. du Pont de Nemours and Company. 35 p.

48245301 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2K11), A Blend of Extruded Granules (31.2% + 9.4% + 18.7% Active). Project Number: DUPONT/27230. Unpublished study prepared by E.I. du Pont de Nemours and Company. 43 p.

48245401 Roche, R. (2010) Product Identity And Composition of End-use Product Aminocyclopyrachlor 50 SG/ Metsulfuron Methyl 60 WG(DPX- Q2K13), A Blend of Extruded Granules (39.5% +12.6 % Active). Project Number: DUPONT/27682. Unpublished study prepared by DuPont Crop Protection. 35 p.

48292901 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N Combo RTU. Project Number: SS/263A, GLP028/00, GLP019/00. Unpublished study prepared by The Scotts Company. 49 p.

48316901 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N Combo Concentrate. Project Number: SS/275A. Unpublished study prepared by The Scotts Company. 49 p.

48333601 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (DPX-RDQ98), a Blend of Extruded Granules (44.4% + 6.7% Active). Project Number: DUPONT/30095. Unpublished study prepared by DuPont Crop Protection. 32 p.

48720203 Roman, R.; Taylor, E. (2011) Technical Grade Aminocyclopyrachlor (DPX-MAT28) Manufacturing Description and Formation of Impurities. Project Number: DUPONT/30908/REVISION/NO/1. Unpublished study prepared by DuPont Crop Protection. 192p.

### **830.1700:Preliminary analysis**

47559803 Simmons, R. ; Bailey, D.; Brown, L. (2008) Batch Analysis of Amniocyclopyrachlor (DPX-MAT28) Technical Produced at the DuPont Stine-Haskell Research Center in Newark, Delaware, USA, DuPont Experimental Station in Wilmington, Delaware, USA, and the Albemarle Tyrone, Pennsylvania, USA Manufacturing Facility. Project Number: DUPONT/23482. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 45 p.

47559804 Simmons, R.; Bailey, D.; Brown, L. (2008) Batch Chromatograms from the Analysis of Product Ingredients in the Aminocyclopyrachlor (DPX-MAT28) Technical Produced at the DuPont Stine-Haskell Research Center in Newark, Delaware, USA, DuPont Experimental Station in Wilmington, Delaware, USA, and the Albemarle Tyrone, Pennsylvania, USA Manufacturing Facility. Project Number: DUPONT/23482. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 55 p.

47559805 Simmons, R.; Brown, L. (2008) Determination of Aminocyclopyrachlor (DPX-MAT28) in Technical Grade Aminocyclopyrachlor. Project Number: DUPONT/22041. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 24 p.

47559806 Simmons, R.; Bailey, D.; Brown, L. (2008) Description and Validation of the Analytical Methods for Determination of Impurities in Technical Grade Aminocyclopyrachlor (DPX-MAT28). Project Number: DUPONT/23606. Unpublished study prepared by E. I. Du Pont De Nemours and Co, Inc. 130 p.

47559823 Simmons, R.; Bailey, D.; Brown, L. (2008) Batch Analysis of Aminocyclopyrachlor Methyl (DPX-KJM44) Technical Produced at the DuPont Experimental Station in Wilmington, Delaware, USA and the Albemarle Tyrone, Pennsylvania, USA Manufacturing Facility. Project Number: DUPONT/23481. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 51 p.

47559824 Czochor, J.; Simmons, R. (2008) Batch Chromatograms from the Analysis of Product Ingredients in Aminocyclopyrachlor Methyl (DPX-KJM44) Technical Produced at the DuPont Experimental Station in Wilmington, Delaware, USA and the Albermarle Tyrone, Pennsylvania, USA Manufacturing Facility. Project Number: DUPONT/23481. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 39 p.

47559825 Simmons, R.; Bailey, D. (2008) Determination of Aminocyclopyrachlor Methyl (DPX-KJM44) In Technical Grade Aminocyclopyrachlor Methyl. Project Number: DUPONT/22860, KJM44/220/01/ST. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 23 p.

47559826 Simmons, R.; Bailery, D. (2008) Description and Validation of the Analytical Methods for Determination of Impurities in Technical Grade Aminocyclopyrachlor Methyl (DPX-KJM44). Project Number: DUPONT/23605. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 173 p.

47559906 Simmons, R. (2008) Determination of Aminocyclopyrachlor Methyl (DPX-KJM44) in Aminocyclopyrachlor Methyl WG End-Use Products. Project Number: DUPONT/26789. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559909 Simmons, R. (2008) Determination of Aminocyclopyrachlor (DPX-MAT28) in Aminocyclopyrachlor SL End-Use Products. Project Number: DUPONT/26787. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559919 Simmons, R. (2008) Determination of Chlorsulfuron (DPX-W4189) Sulfometuron Methyl (DPX-T5648), and Aminocyclopyrachlor Methyl (DPX-KJM44) in DPX-Q2B37 WG End-Use Product: Aminocyclopyrachlor Methyl 80WG/Chlorsulfuron 75WG/Sulfometuron Methyl 75 WG (DPX-Q2B37), A Blend of Water-Dispersible Granules (42.1% + 11.9% + 23.7% Active). Project Number: DUPONT/24665. Unpublished study prepared by DuPont Crop Protection. 11 p.

47559922 Simmons, R. (2008) Determination of Imazapyr (DPX-A7586), Metsulfuron Methyl (DPX-T6376), and Aminocyclopyrachlor Methyl (DPX-KJM44) in DPX-Q2B38 WG End-Use Product: Aminocyclopyrachlor Methyl 80 WG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2B38), A Blend of Water-Dispersible Granules. Project Number: DUPONT/25664. Unpublished study prepared by DuPont Crop Protection. 11 p.

47559925 Simmons, R. (2008) Determination of Metsulfuron Methyl (DPX-T6376) and Aminocyclopyrachlor Methyl (DPX-KJM44) in DPX-Q2B39 WG End-Use Product: Aminocyclopyrachlor methyl 80WG/Metsulfuron Methyl 60WG (DPX-Q2B39), A Blend of Water-Dispersible Granules (57.1% + 17.2% Active). Project Number: DUPONT/25712. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559928 Simmons, A. (2008) Determination of Chlorsulfuron (W4189) and AminoCyclopyrachlor Methyl (DPXKJM44) in DPX-QKJ02 WG End-Use Product: Aminocyclopyrachlor Methyl 80WG/Chlorsulfuron 75WG (DPX-QKJ02), A Blend of Water-Dispersible Granules (57.1% + 21.4% Active). Project Number: DUPONT/24666. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559932 McClory, J.; Simmons, R. (2008) Determination of Aminocyclopyrachlor Methyl (DPX-KJM44), Aminocyclopyrachlor (DPX-MAT28), Imazapyr (DPX-A7586, Chlorsulfuron (DPX-W4189), Metsulfuron Methyl (DPX-T6376), and Sulfometuron Methyl (DPX-T5648) in DPX-Q6H73 WG, A Paste-Extruded Blend, End-Use Product: Aminocyclopyrachlor Methyl 80WG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG/Metsulfuron Methyl 60WG/Imazapyr 75WG/Aminocyclopyrachlor 50SG, A Blend of Water-Dispersible Granules (1:1:1:1:1:1) . Project Number: DUPONT/26797. Unpublished study prepared by DuPont Crop Protection. 37 p.

47573402 Simmons, R.; McClory, P. (2008) Determination of Aminocyclopyrachlor (DPX-MAT28) in Aminocyclopyrachlor (DPX-MAT28) SG End-Use Products. Project Number: DUPONT/26788, MAT28/220/06/ST, M0000716. Unpublished study prepared by E.I. du Pont de Nemours and Company. 45 p.

47781602 Simmons, R.; McClory, J. (2009) Determination of Chlorsulfuron (DPX-W4189) and Aminocyclopyrachlor (DPX-MAT28) in DPX-Q2K06 WG End Use Product: Aminocyclopyrachlor 50 SG/Chlorsulfuron 75 WG (DPX-Q2K06), A Blend of Water Dispersible Granules (39.5% + 15.8% Active). Project Number: DUPONT/28463. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781605 Simmons, R.; McClory, J. (2009) Determination of Chlorsulfuron (DPX-W4189), Sulfometuron Methyl (DPX-T5648) and Aminocyclopyrachlor (DPX-MAT28) in DPX-Q2K11 WG End Use-Product: Aminocyclopyrachlor 50SG/Chlorsulfuron 75 WG/Sulfometuron Methyl 75 WG (DPX-Q2K11), A Blend of Water Dispersible Granules (9.4% + 18.7% Active) . Project Number: DUPONT28464. Unpublished study prepared by E.I. du Pont de Nemours and Company. 11 p.

47781608 Simmons, R.; McClory, J. (2009) Determination of Metsulfuron Methyl (DPX-T6376) and Aminocyclopyrachlor (DPX-T6376) and Aminocyclopyrachlor (DPX-MAT28) in DPX-Q2K13 WG End-Use Product: Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (DPX-Q2K13), A Blend of Extruded Granules (39.5% + 12.6% Active). Project Number: DUPONT/26786. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781611 Simmons, R.; McClory, J. (2009) Determination of Imazapyr (DPX-A7586), Metsulfuron Methyl (DPX-T6376) and Aminocyclopyrachlor (DPX-MAT28) in DPX-Q2K12 WG End Use Product: Aminocyclopyrachlor 50 SG/Imazapyr 75 WG/Metsulfuron Methyl 60WG (DPX-Q2K12): A Blend of Extruded Granules (22.8% + 31.6% + 7.3% Active). Project Number: DUPONT/28465. Unpublished study prepared by E.I. du Pont de Nemours and Company. 11 p.

48235802 Swaim, L. (2010) Batch Analysis of Aminocyclopyrachlor (DPX-MAT28) Technical. Project Number: 29750, 65633. Unpublished study prepared by ABC Laboratories, Inc. 61 p.

48235803 Swaim, L. (2010) Batch Analysis of Aminocyclopyrachlor (DPX-MAT28) Technical. Project Number: 30033, 65634. Unpublished study prepared by ABC Laboratories, Inc. 61 p.

48578401 Simmons, R. (2011) Supplemental Information to Clarify the Change in the Assigned Purity of DPXMAT28/009 and Subsequent Revision of the Certificate of Analysis to Support Aminocyclopyrachlor Registrations. Project Number: DUPONT/33109/US. Unpublished study prepared by DuPont Crop Protection. 14p.

48720201 Tunink, A. (2011) Batch Analysis of Aminocyclopyrachlor (DPX-MAT28) Technical. Project Number: DUPONT/32190, 67208. Unpublished study prepared by ABC Laboratories, Inc. 54p.

48720202 Tunink, A. (2011) Batch Analysis of Aminocyclopyrachlor (DPX-MAT28) Technical. Project Number: DUPONT/32584, 67209. Unpublished study prepared by ABC Laboratories, Inc. 55p.

### **830.1750:Certified limits**

47559801 Roman, R.; Jiang, C. (2008) Aminocyclopyrachlor (DPX-MAT28) Identity, Composition, and Certified Limits. Project Number: DUPONT/23884, DPX/MAT28. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 13 p.

47559821 Jiang, C.; Roman, R. (2008) Aminocyclopyrachlor Methyl Ester (DPX-KJM44) Identity, Composition, and Certified Limits. Project Number: DUPONT/23882. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 9 p.

47559905 Roche, R. (2008) Product Identity and Composition of End-use Product Aminocyclopyrachlor Methyl (DPX-KJM44) 80WG. Project Number: DUPONT/23547. Unpublished study prepared by DuPont Crop Protection. 57 p.

47559908 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 240SL. Project Number: DUPONT/22902. Unpublished study prepared by DuPont Crop Protection. 56 p.

47559911 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 50 SG. Project Number: DUPONT/26442. Unpublished study prepared by DuPont Crop Protection. 61 p.

47559914 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor Methyl (DPX-KJM44) 10% Manufacturing Use Product. Project Number: DUPONT/22901. Unpublished study prepared by DuPont Crop Protection. 33 p.

47559916 Brown, P. (2008) Product Identity and Composition of End-Use Product Aminocyclochlor Methyl (DPXKJM44) Granules. Project Number: DUPONT/22900. Unpublished study prepared by DuPont Crop Protection. 63 p.

47559918 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80 WG/Chorsulfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37), A Blend of Water Dispersible Granules (42.1% + 11.9% + 23.7% Active). Project Number: DUPONT/25708. Unpublished study prepared by DuPont Crop Protection. 42 p.

47559921 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2B38), A Blend of Water Dispersible Granules (28.7% + 37.3% + 8.6 % Active). Project Number: DUPONT/25709. Unpublished study prepared by DuPont Crop Protection. 42 p.

47559924 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Metsulfuron Methyl 60WG (DPX-Q2B39), A Blend of Water Dispersible Granules (57.1% + 17.2% Active). Project Number: DUPONT/25436. Unpublished study prepared by DuPont Crop Protection. 34 p.

47559927 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80WG/Chlorsulfuron 75WG (DPX-QKJ02), A Blend of Water Dispersible Granules (57.1% + 21.4 5 Active). Project Number: DUPONT/25716. Unpublished study prepared by DuPont Crop Protection. 34 p.

47559930 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) 10% Manufacturing Use Product. Project Number: DUPONT/26938. Unpublished study prepared by DuPont Crop Protection. 33 p.

47559931 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: DUPONT/26937. Unpublished study prepared by DuPont Crop Protection. 40 p.

47781601 Roche, R. (2009) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Chlorsulfuron 75WG (DPX-Q2K06), A Blend of Extruded Granules (39.5% + 15.8% Active). Project Number: DUPONT/27228, M000628. Unpublished study prepared by E.I. du Pont de Nemours and Company. 35 p.

47781604 Roche, R. (2009) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50 SG/Chlorsulfuron 75 WG/Sulfometuron Methyl 75WG (DPX-Q2K11), A Blend of Extruded Granules (31.2% + 9.4% + 18.7% Active). Project Number: DUPONT/27230. Unpublished study prepared by E.I. du Pont de Nemours and Company. 42 p.

47781607 Roche, R. (2009) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (DPX-Q2K13), A Blend of Extruded Granules (39.5% + 12.6% Active). Project Number: DUPONT/27682. Unpublished study prepared by E.I. du Pont de Nemours and Company. 35 p.

47781610 Roche, R. (2009) Product Identity and Composition of End-use Product Aminocyclopyrachlor 50 SG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2K12), A Blend of Extruded Granules (22.8% + 31.6% + 7.3% Active). Project Number: DUPONT/27229. Unpublished study prepared by E.I. du Pont de Nemours and Company. 43 p.

47933001 Brown, P. (2009) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) 10% Manufacturing Use Product. Project Number: 26938/REVISION/NO/1. Unpublished study prepared by DuPont Crop Protection. 33 p.

47962001 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 50SG. Project Number: 26442. Unpublished study prepared by E.I. du Pont de Nemours and Company. 54 p.

47962002 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 240SL. Project Number: 22902. Unpublished study prepared by E.I. du Pont de Nemours and Company. 55 p.

48066601 Brown, P. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl (DPX-KJM44) Granules. Project Number: 22900. Unpublished study prepared by E.I. Du Pont De Nemours and Company. 49 p.

48066602 Brown, P. (2010) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: 26937. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. (S300/419). 41 p.

48102401 Brown, P. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl (DPX-KJM44) Granules. Project Number: 22900. Unpublished study prepared by DuPont Crop Protection. 47 p.

48116301 Brown, P. (2010) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: 26937. Unpublished study prepared by E.I. Du Pont De Nemours and Company. 40 p.

48218001 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N RTU. Project Number: SS/266A, GLP019/00. Unpublished study prepared by The Scotts Company. 54 p.

48218201 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT 28S RTU. Project Number: SS/227A, GLP019/00. Unpublished study prepared by The Scotts Company. 42 p.

48218203 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28S RTU (Alternate A). Project Number: SS/265A, GLP019/00. Unpublished study prepared by The Scotts Company. 54 p.

48218501 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28NS CONC. Project Number: SS/248A, GLP019/00. Unpublished study prepared by The Scotts Company. 33 p.

48224001 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 65 MAT Weed & Feed. Project Number: SS/257A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48224002 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 65 MAT Weed & Feed. Project Number: SS/253A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48224101 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 18 MAT Weed & Feed. Project Number: SS/254A. Unpublished study prepared by The Scotts Company. 24 p.

48224102 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 18 MAT Weed & Feed. Project Number: SS/250A. Unpublished study prepared by The Scotts Company. 31 p.

48225301 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 55 MAT Weed & Feed. Project Number: SS/255A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48225302 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 55 MAT Weed & Feed. Project Number: SS/251A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48225401 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 60 MAT Weed & Feed. Project Number: SS/256A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48225402 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 60 MAT Weed & Feed. Project Number: SS/252A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48235801 Roman, R.; Taylor, E. (2010) Aminocyclopyrachlor (DPX-MAT28) Identity, Composition, and Certified Limits. Project Number: DUPONT/23884/REVISION/NO/1. Unpublished study prepared by DuPont Crop Protection. 14 p.

48245101 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPG-Q2K12), a Blend of Extruded Granules (22.8% + 31.6% + 7.3% Active). Project Number: DUPONT/27229. Unpublished study prepared by E.I. du Pont de Nemours and Company. 43 p.

48245201 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Chlorsulfuron 75WG (DPX-Q2K06), A Blend of Extruded Granules (39.5% + 15.8% Active). Project Number: DUPONT/27228. Unpublished study prepared by E.I. du Pont de Nemours and Company. 35 p.

48245301 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2K11), A Blend of Extruded Granules (31.2% + 9.4% + 18.7% Active). Project Number: DUPONT/27230. Unpublished study prepared by E.I. du Pont de Nemours and Company. 43 p.

48245401 Roche, R. (2010) Product Identity And Composition of End-use Product Aminocyclopyrachlor 50 SG/ Metsulfuron Methyl 60 WG(DPX- Q2K13), A Blend of Extruded Granules (39.5% +12.6 % Active). Project Number: DUPONT/27682. Unpublished study prepared by DuPont Crop Protection. 35 p.

48292901 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N Combo RTU. Project Number: SS/263A, GLP028/00, GLP019/00. Unpublished study prepared by The Scotts Company. 49 p.

48333601 Roche, R. (2010) Product Identity and Composition of End-Use Product Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (DPX-RDQ98), a Blend of Extruded Granules (44.4% + 6.7% Active). Project Number: DUPONT/30095. Unpublished study prepared by DuPont Crop Protection. 32 p.

### **830.1800:Enforcement analytical method**

47559805 Simmons, R.; Brown, L. (2008) Determination of Aminocyclopyrachlor (DPX-MAT28) in Technical Grade Aminocyclopyrachlor. Project Number: DUPONT/22041. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 24 p.

47559806 Simmons, R.; Bailey, D.; Brown, L. (2008) Description and Validation of the Analytical Methods for Determination of Impurities in Technical Grade Aminocyclopyrachlor (DPX-MAT28). Project Number: DUPONT/23606. Unpublished study prepared by E. I. Du Pont De Nemours and Co, Inc. 130 p.

47559807 Simmons, R.; Brown, L. (2008) Validation of the Analytical Method for Determination of Aminocyclopyrachlor (DPX-MAT28) in Technical Grade Aminocyclopyrachlor. Project Number: DUPONT/23479. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 25 p.

47559825 Simmons, R.; Bailey, D. (2008) Determination of Aminocyclopyrachlor Methyl (DPX-KJM44) In Technical Grade Aminocyclopyrachlor Methyl. Project Number: DUPONT/22860, KJM44/220/01/ST. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 23 p.

47559826 Simmons, R.; Bailery, D. (2008) Description and Validation of the Analytical Methods for Determination of Impurities in Technical Grade Aminocyclopyrachlor Methyl (DPX-KJM44). Project Number: DUPONT/23605. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 173 p.

47559827 Simmons, R.; Bailey, D. (2008) Validation of the Analytical Method for Determination of Aminocyclopyrachlor Methyl (DPX-KJM44) in Technical Grade Aminocyclopyrachlor Methyl. Project Number: DUPONT/23480. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 27 p.

47559906 Simmons, R. (2008) Determination of Aminocyclopyrachlor Methyl (DPX-KJM44) in Aminocyclopyrachlor Methyl WG End-Use Products. Project Number: DUPONT/26789. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559909 Simmons, R. (2008) Determination of Aminocyclopyrachlor (DPX-MAT28) in Aminocyclopyrachlor SL End-Use Products. Project Number: DUPONT/26787. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559919 Simmons, R. (2008) Determination of Chlorsulfuron (DPX-W4189) Sulfometuron Methyl (DPX-T5648), and Aminocyclopyrachlor Methyl (DPX-KJM44) in DPX-Q2B37 WG End-Use Product: Aminocyclopyrachlor Methyl 80WG/Chlorsulfuron 75WG/Sulfometuron Methyl 75 WG (DPX-Q2B37), A Blend of Water-Dispersible Granules (42.1% + 11.9% + 23.7% Active). Project Number: DUPONT/24665. Unpublished study prepared by DuPont Crop Protection. 11 p.

47559922 Simmons, R. (2008) Determination of Imazapyr (DPX-A7586), Metsulfuron Methyl (DPX-T6376), and Aminocyclopyrachlor Methyl (DPX-KJM44) in DPX-Q2B38 WG End-Use Product: Aminocyclopyrachlor Methyl 80 WG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2B38), A Blend of Water-Dispersible Granules. Project Number: DUPONT/25664. Unpublished study prepared by DuPont Crop Protection. 11 p.

47559925 Simmons, R. (2008) Determination of Metsulfuron Methyl (DPX-T6376) and Aminocyclopyrachlor Methyl (DPX-KJM44) in DPX-Q2B39 WG End-Use Product: Aminocyclopyrachlor methyl 80WG/Metsulfuron Methyl 60WG (DPX-Q2B39), A Blend of Water-Dispersible Granules (57.1% + 17.2% Active). Project Number: DUPONT/25712. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559928 Simmons, A. (2008) Determination of Chlorsulfuron (W4189) and AminoCyclopyrachlor Methyl (DPXKJM44) in DPX-QKJ02 WG End-Use Product: Aminocyclopyrachlor Methyl 80WG/Chlorsulfuron 75WG (DPX-QKJ02), A Blend of Water-Dispersible Granules (57.1% + 21.4% Active). Project Number: DUPONT/24666. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559932 McClory, J.; Simmons, R. (2008) Determination of Aminocyclopyrachlor Methyl (DPX-KJM44), Aminocyclopyrachlor (DPX-MAT28), Imazapyr (DPX-A7586), Chlorsulfuron (DPX-W4189), Metsulfuron Methyl (DPX-T6376), and Sulfometuron Methyl (DPX-T5648) in DPX-Q6H73 WG, A Paste-Extruded Blend, End-Use Product: Aminocyclopyrachlor Methyl 80WG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG/Metsulfuron Methyl 60WG/Imazapyr 75WG/Aminocyclopyrachlor 50SG, A Blend of Water-Dispersible Granules (1:1:1:1:1:1) . Project Number: DUPONT/26797. Unpublished study prepared by DuPont Crop Protection. 37 p.

47559933 McClory, J. (2008) Validation of the Analytical Method for Determination of Aminocyclopyrachlor Methyl (DPX-KJM44), Aminocyclopyrachlor (DPX-MAT28), Imazapyr (DPX-A7586), Chlorsulfuron (DPXW4189), Metsulfuron Methyl (DPX-T6376), and Sulfometuron Methyl (DPX-t5648) in DPX-Q6H73 WG, A Paste-Extruded Blend, Aminocyclopyrachlor Methyl (DPX-KMJ44) Water Dispersible Granule Formulations (WG), Aminocyclopyrachlor (DPX-MAT28) Water Soluble Granule Formulations (SG), Aminocyclopyrachlor (DPX-MAT28) Soluble Concentrate Formulations (SL) and Other End Use Products. Project Number: DUPONT/26105. Unpublished study prepared by DuPont Crop Protection. 49 p.

47573402 Simmons, R.; McClory, P. (2008) Determination of Aminocyclopyrachlor (DPX-MAT28) in Aminocyclopyrachlor (DPX-MAT28) SG End-Use Products. Project Number: DUPONT/26788, MAT28/220/06/ST, M0000716. Unpublished study prepared by E.I. du Pont de Nemours and Company. 45 p.

47781602 Simmons, R.; McClory, J. (2009) Determination of Chlorsulfuron (DPX-W4189) and Aminocyclopyrachlor (DPX-MAT28) in DPX-Q2K06 WG End Use Product: Aminocyclopyrachlor 50 SG/Chlorsulfuron 75 WG (DPX-Q2K06), A Blend of Water Dispersible Granules (39.5% + 15.8% Active). Project Number: DUPONT/28463. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781605 Simmons, R.; McClory, J. (2009) Determination of Chlorsulfuron (DPX-W4189), Sulfometuron Methyl (DPX-T5648) and Aminocyclopyrachlor (DPX-MAT28) in DPX-Q2K11 WG End Use-Product: Aminocyclopyrachlor 50SG/Chlorsulfuron 75 WG/Sulfometuron Methyl 75 WG (DPX-Q2K11), A Blend of Water Dispersible Granules (9.4% + 18.7% Active) . Project Number: DUPONT28464. Unpublished study prepared by E.I. du Pont de Nemours and Company. 11 p.

47781608 Simmons, R.; McClory, J. (2009) Determination of Metsulfuron Methyl (DPX-T6376) and Aminocyclopyrachlor (DPX-T6376) and Aminocyclopyrachlor (DPX-MAT28) in DPX-Q2K13 WG End-Use Product: Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (DPX-Q2K13), A Blend of Extruded Granules (39.5% + 12.6% Active). Project Number: DUPONT/26786. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781611 Simmons, R.; McClory, J. (2009) Determination of Imazapyr (DPX-A7586), Metsulfuron Methyl (DPXT6376) and Aminocyclopyrachlor (DPX-MAT28) in DPX-Q2K12 WG End Use Product: Aminocyclopyrachlor 50 SG/Imazapyr 75 WG/Metsulfuron Methyl 60WG (DPX-Q2K12): A Blend of Extruded Granules (22.8% + 31.6% + 7.3% Active). Project Number: DUPONT/28465. Unpublished study prepared by E.I. du Pont de Nemours and Company. 11 p.

48218001 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N RTU. Project Number: SS/266A, GLP019/00. Unpublished study prepared by The Scotts Company. 54 p.

48218201 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT 28S RTU. Project Number: SS/227A, GLP019/00. Unpublished study prepared by The Scotts Company. 42 p.

48218203 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28S RTU (Alternate A). Project Number: SS/265A, GLP019/00. Unpublished study prepared by The Scotts Company. 54 p.

48218501 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28NS CONC. Project Number: SS/248A, GLP019/00. Unpublished study prepared by The Scotts Company. 33 p.

48224001 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 65 MAT Weed & Feed. Project Number: SS/257A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48224002 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 65 MAT Weed & Feed. Project Number: SS/253A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48225301 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 55 MAT Weed & Feed. Project Number: SS/255A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48225302 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 55 MAT Weed & Feed. Project Number: SS/251A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48225401 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 60 MAT Weed & Feed. Project Number: SS/256A, GLP019/00. Unpublished study prepared by The Scotts Company. 24 p.

48225402 Simon, S. (2010) Product Identity, Composition and Analysis for Scotts 60 MAT Weed & Feed. Project Number: SS/252A, GLP019/00. Unpublished study prepared by The Scotts Company. 31 p.

48235805 Swaim, L. (2010) Description and Validation of the Analytical Method for Determination of Impurities in Technical Grade Aminocyclopyrachlor (DPX-MAT28). Project Number: 30238, 65632. Unpublished study prepared by ABC Laboratories, Inc. 109 p.

48292901 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N Combo RTU. Project Number: SS/263A, GLP028/00, GLP019/00. Unpublished study prepared by The Scotts Company. 49 p.

48316901 Barrientos, C. (2010) Product Identity, Composition and Analysis for Ortho MAT28N Combo Concentrate. Project Number: SS/275A. Unpublished study prepared by The Scotts Company. 49 p.

48333602 Bailey, D. (2010) Aminocyclopyrachlor (44.5%), and Metsulfuron Methyl (6.7%): Analytical Method to Verify the Certified Limits of DPX-RDQ98 End-Use Product, a Blended Formulation of DPX-MAT28 (50SG) Paste-Extruded Formulation, and DPX-T6376 (60WG) Paste-Extruded Formulation. Project Number: DUPONT/31289. Unpublished study prepared by DuPont Crop Protection. 15 p.

### **830.6302 Color**

47559808 Shalini, L. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4891, DUPONT/23196. Unpublished study prepared by Advinus Therapeutics Private Limited. 31 p.

47559809 Anand, H. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling/Decomposition, Relative Density and Bulk Density. Project Number: G4781, DUPONT/22551. Unpublished study prepared by Advinus Therapeutics Private Limited. 35 p.

47559828 Shalini, L. (2007) DPX-KJM44: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4792, DUPONT/23307. Unpublished study prepared by Advinus Therapeutics Private Limited. 32 p.

47559829 Shalini, L. (2007) DPX-KJM44: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State and Bulk Density. Project Number: G4890, DUPONT/22552. Unpublished study prepared by Advinus Therapeutics Private Limited. 22 p.

47559905 Roche, R. (2008) Product Identity and Composition of End-use Product Aminocyclopyrachlor Methyl (DPX-KJM44) 80WG. Project Number: DUPONT/23547. Unpublished study prepared by DuPont Crop Protection. 57 p.

47559907 Bloemer, D. (2008) DPX-KJM44 80WG Water-Dispersible Granular Formulation (80%): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/22858. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559910 Bloemer, D. (2008) DPX-MAT28 SL (21.2% Active W/W) End-Use Product Soluble Concentrate Formulation: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/22853. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559913 Bloemer, D. (2008) DPX-MAT28 50SG Water Soluble Granule Formulation: Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/25694. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559915 Pushpalatha, K. (2008) DPX-KJM44 10% MUP: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Relative Density, Bulk Density, and pH. Project Number: G5210, DUPONT/24544. Unpublished study prepared by Advinus Therapeutics Private Limited. 28 p.

47559915 Pushpalatha, K. (2008) DPX-KJM44 10% MUP: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Relative Density, Bulk Density, and pH. Project Number: G5210, DUPONT/24544. Unpublished study prepared by Advinus Therapeutics Private Limited. 28 p.

47559916 Brown, P. (2008) Product Identity and Composition of End-Use Product Aminocyclochlor Methyl (DPXKJM44) Granules. Project Number: DUPONT/22900. Unpublished study prepared by DuPont Crop Protection. 63 p.

47559917 Bloemer, D. (2008) DPX-KJM44 Granular (Fertilizer) Formulation) 0.06% A.I. Content): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24573. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559920 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37) Blend of Extruded Water-Dispersible Granular Formulations (42.07/11.89/23.67% AI Ratio): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24660. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559923 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2B38) Blend of Extruded Water-Dispersible Granular Formulations (28.7/37.32/8.61% AI Ratio): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24658. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559926 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Metsulfuron Methyl 60WG (DPX-Q2B39) Blend of Extruded Water-Dispersible Granular Formulations (57.14/17.14% AI Ratio): Laboratory Study of Physical and Chemical Properties . Project Number: DUPONT/25710. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559929 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Chlorsulfuron 75WG (DPX-QKJ02) Blend of Extruded Water-Dispersible Granular Formulations (57.14/21.43% AI Ratio): Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/24662. Unpublished study prepared by DuPont Crop Protection. 9 p.

47560236 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/189, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560237 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/192, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560239 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/196, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560240 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/200, CORPA00095PEST, DR03/01. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47573404 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/193, CORPA00095PEST. Unpublished study prepared by The Scotts Company. 15 p.

47781603 Bloemer, D. (2009) Aminocyclopyrachlor (DPX-MAT 28) 50SG/Chlorsulfuron 75 WG (39.48/15.77% AI Content) Blend of Water Dispersible Granule Formulations (DPX-Q2KO6): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28516, MT/169, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781606 Bloemer, D. (2009) Aminocyclopyrachlor (DPX-MAT28) 50SG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (31.24/9.41/18.74% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-Q2K11): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28157, DUPONT/28156, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781609 Bloemer, D. (2009) Aminocyclopyrachlor (DPX-MAT28) 50SG/Metsulfuron Methyl 60 WG (39.48/12.62% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-Q2K13): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28159, MT/169, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781612 Bloemer, D (2009) Aminocyclopyrachlor (DPX-MAT 28) 50SG/Imazapyr 75WG/Metsulfuron Methyl 60WG (22.83/31.64/7.3% AI Content) Blend of Water Dispersible Granule Formulations (DPX-Q2K12): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28158, MT/169, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

48037602 Radhakrishnan, D. (2010) Aminocyclopyrachlor (DPX-MAT28) 10.4% MUP: Laboratory Study of Physical State, Colour, Odor. Project Number: DUPONT/29730, 09333. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 17 p.

48037604 Rao, R. (2009) Aminocyclopyrachlor (DPX-MAT28) Granular (Fertilizer) Formulation (0.05% Active): Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/28480, 09210. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 19 p.

48037606 Newton, J. (2010) 0.069% MAT Granular Study: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/221. Unpublished study prepared by The Scotts Company. 15 p.

48066603 Brown, P. (2010) Laboratory Study of Physical and Chemical Properties Aminocyclopyrachlor (DPXMAT28) Granules - 0.03%. Project Number: 30369. Unpublished study prepared by E.I. du Pont de Nemours and Company. 8 p.

48218002 Wilczynski, K. (2010) Ortho MAT28 N RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/266. Unpublished study prepared by The Scotts Company. 17 p.

48218202 Radar, J. (2010) Ortho MAT28S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

48218204 Wilczynski, K. (2010) Ortho MAT28 S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/265. Unpublished study prepared by The Scotts Company. 17 p.

48218502 Rader, J. (2010) Ortho MAT28NS CONC: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/248. Unpublished study prepared by The Scotts Company. 18 p.

48224003 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/257. Unpublished study prepared by The Scotts Company. 16 p.

48224004 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/253, S/15003. Unpublished study prepared by The Scotts Company. 16 p.

48224103 Rader, J. (2010) Scotts 18 MAT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/254. Unpublished study prepared by The Scotts Company. 16 p.

48224104 Rader, J. (2010) Scotts 18 MATT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/250. Unpublished study prepared by The Scotts Company. 16 p.

48225303 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/255. Unpublished study prepared by The Scotts Company. 16 p.

48225304 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/251. Unpublished study prepared by The Scotts Company. 16 p.

48225403 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/256. Unpublished study prepared by The Scotts Company. 16 p.

48225404 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/252. Unpublished study prepared by The Scotts Company. 16 p.

48245401 Roche, R. (2010) Product Identity And Composition of End-use Product Aminocyclopyrachlor 50 SG/ Metsulfuron Methyl 60 WG(DPX- Q2K13), A Blend of Extruded Granules (39.5% +12.6 % Active). Project Number: DUPONT/27682. Unpublished study prepared by DuPont Crop Protection. 35 p.

48292902 Rader, J. (2010) Ortho MAT28 Combo RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/263. Unpublished study prepared by The Scotts Company. 19 p.

48316902 Rader, J. (2010) Ortho MAT28 N Combo Concentrate: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Specific Gravity, Viscosity, Corrosion and Storage Stability. Project Number: SS/275. Unpublished study prepared by The Scotts Company. 18 p.

48333603 Radhakrishnan, D. (2010) Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (44.45/6.66% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-RDQ98): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/30094, 10515. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 21 p.

48477601 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability: Ortho MAT28S RTU: Final Report. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

### **830.6303:Physical state**

47559808 Shalini, L. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4891, DUPONT/23196. Unpublished study prepared by Advinus Therapeutics Private Limited. 31 p.

47559809 Anand, H. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling/Decomposition, Relative Density and Bulk Density. Project Number: G4781, DUPONT/22551. Unpublished study prepared by Advinus Therapeutics Private Limited. 35 p.

47559828 Shalini, L. (2007) DPX-KJM44: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4792, DUPONT/23307. Unpublished study prepared by Advinus Therapeutics Private Limited. 32 p.

47559829 Shalini, L. (2007) DPX-KJM44: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State and Bulk Density. Project Number: G4890, DUPONT/22552. Unpublished study prepared by Advinus Therapeutics Private Limited. 22 p.

47559907 Bloemer, D. (2008) DPX-KJM44 80WG Water-Dispersible Granular Formulation (80%): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/22858. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559908 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor (DPXMAT28) 240SL. Project Number: DUPONT/22902. Unpublished study prepared by DuPont Crop Protection. 56 p.

47559910 Bloemer, D. (2008) DPX-MAT28 SL (21.2% Active W/W) End-Use Product Soluble Concentrate Formulation: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/22853. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559913 Bloemer, D. (2008) DPX-MAT28 50SG Water Soluble Granule Formulation: Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/25694. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559915 Pushpalatha, K. (2008) DPX-KJM44 10% MUP: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Relative Density, Bulk Density, and pH. Project Number: G5210, DUPONT/24544. Unpublished study prepared by Advinus Therapeutics Private Limited. 28 p.

47559915 Pushpalatha, K. (2008) DPX-KJM44 10% MUP: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Relative Density, Bulk Density, and pH. Project Number: G5210, DUPONT/24544. Unpublished study prepared by Advinus Therapeutics Private Limited. 28 p.

47559917 Bloemer, D. (2008) DPX-KJM44 Granular (Fertilizer) Formulation) 0.06% A.I. Content): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24573. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559920 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37) Blend of Extruded Water-Dispersible Granular Formulations (42.07/11.89/23.67% AI Ratio): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24660. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559923 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2B38) Blend of Extruded Water-Dispersible Granular Formulations (28.7/37.32/8.61% AI Ratio): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24658. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559926 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Metsulfuron Methyl 60WG (DPX-Q2B39) Blend of Extruded Water-Dispersible Granular Formulations (57.14/17.14% AI Ratio): Laboratory Study of Physical and Chemical Properties . Project Number: DUPONT/25710. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559929 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Chlorsulfuron 75WG (DPX-QKJ02) Blend of Extruded Water-Dispersible Granular Formulations (57.14/21.43% AI Ratio): Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/24662. Unpublished study prepared by DuPont Crop Protection. 9 p.

47560236 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/189, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560237 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/192, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560239 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/196, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560240 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/200, CORPA00095PEST, DR03/01. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47573404 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/193, CORPA00095PEST. Unpublished study prepared by The Scotts Company. 15 p.

47781603 Bloemer, D. (2009) Aminocyclopyrachlor (DPX-MAT 28) 50SG/Chlorsulfuron 75 WG (39.48/15.77% AI Content) Blend of Water Dispersible Granule Formulations (DPX-Q2KO6): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28516, MT/169, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781606 Bloemer, D. (2009) Aminocyclopyrachlor (DPX-MAT28) 50SG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (31.24/9.41/18.74% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-Q2K11): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28157, DUPONT/28156, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781609 Bloemer, D. (2009) Aminocyclopyrachlor (DPX-MAT28) 50SG/Metsulfuron Methyl 60 WG (39.48/12.62% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-Q2K13): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28159, MT/169, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781612 Bloemer, D (2009) Aminocyclopyrachlor (DPX-MAT 28) 50SG/Imazapyr 75WG/Metsulfuron Methyl 60WG (22.83/31.64/7.3% AI Content) Blend of Water Dispersible Granule Formulations (DPX-Q2K12): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28158, MT/169, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

48037602 Radhakrishnan, D. (2010) Aminocyclopyrachlor (DPX-MAT28) 10.4% MUP: Laboratory Study of Physical State, Colour, Odor. Project Number: DUPONT/29730, 09333. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 17 p.

48037604 Rao, R. (2009) Aminocyclopyrachlor (DPX-MAT28) Granular (Fertilizer) Formulation (0.05% Active): Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/28480, 09210. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 19 p.

48037606 Newton, J. (2010) 0.069% MAT Granular Study: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/221. Unpublished study prepared by The Scotts Company. 15 p.

48066603 Brown, P. (2010) Laboratory Study of Physical and Chemical Properties Aminocyclopyrachlor (DPXMAT28) Granules - 0.03%. Project Number: 30369. Unpublished study prepared by E.I. du Pont de Nemours and Company. 8 p.

48218002 Wilczynski, K. (2010) Ortho MAT28 N RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/266. Unpublished study prepared by The Scotts Company. 17 p.

48218202 Radar, J. (2010) Ortho MAT28S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

48218204 Wilczynski, K. (2010) Ortho MAT28 S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/265. Unpublished study prepared by The Scotts Company. 17 p.

48218502 Rader, J. (2010) Ortho MAT28NS CONC: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/248. Unpublished study prepared by The Scotts Company. 18 p.

48224003 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/257. Unpublished study prepared by The Scotts Company. 16 p.

48224004 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/253, S/15003. Unpublished study prepared by The Scotts Company. 16 p.

48224103 Rader, J. (2010) Scotts 18 MAT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/254. Unpublished study prepared by The Scotts Company. 16 p.

48224104 Rader, J. (2010) Scotts 18 MATT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/250. Unpublished study prepared by The Scotts Company. 16 p.

48225303 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/255. Unpublished study prepared by The Scotts Company. 16 p.

48225304 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/251. Unpublished study prepared by The Scotts Company. 16 p.

48225403 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/256. Unpublished study prepared by The Scotts Company. 16 p.

48225404 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/252. Unpublished study prepared by The Scotts Company. 16 p.

48292902 Rader, J. (2010) Ortho MAT28 Combo RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/263. Unpublished study prepared by The Scotts Company. 19 p.

48316902 Rader, J. (2010) Ortho MAT28 N Combo Concentrate: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Specific Gravity, Viscosity, Corrosion and Storage Stability. Project Number: SS/275. Unpublished study prepared by The Scotts Company. 18 p.

48333603 Radhakrishnan, D. (2010) Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (44.45/6.66% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-RDQ98): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/30094, 10515. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 21 p.

48477601 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability: Ortho MAT28S RTU: Final Report. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

### **830.6304 Odor**

47559808 Shalini, L. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4891, DUPONT/23196. Unpublished study prepared by Advinus Therapeutics Private Limited. 31 p.

47559809 Anand, H. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling/Decomposition, Relative Density and Bulk Density. Project Number: G4781, DUPONT/22551. Unpublished study prepared by Advinus Therapeutics Private Limited. 35 p.

47559828 Shalini, L. (2007) DPX-KJM44: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4792, DUPONT/23307. Unpublished study prepared by Advinus Therapeutics Private Limited. 32 p.

47559829 Shalini, L. (2007) DPX-KJM44: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State and Bulk Density. Project Number: G4890, DUPONT/22552. Unpublished study prepared by Advinus Therapeutics Private Limited. 22 p.

47559907 Bloemer, D. (2008) DPX-KJM44 80WG Water-Dispersible Granular Formulation (80%): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/22858. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559910 Bloemer, D. (2008) DPX-MAT28 SL (21.2% Active W/W) End-Use Product Soluble Concentrate Formulation: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/22853. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559913 Bloemer, D. (2008) DPX-MAT28 50SG Water Soluble Granule Formulation: Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/25694. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559915 Pushpalatha, K. (2008) DPX-KJM44 10% MUP: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Relative Density, Bulk Density, and pH. Project Number: G5210, DUPONT/24544. Unpublished study prepared by Advinus Therapeutics Private Limited. 28 p.

47559915 Pushpalatha, K. (2008) DPX-KJM44 10% MUP: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Relative Density, Bulk Density, and pH. Project Number: G5210, DUPONT/24544. Unpublished study prepared by Advinus Therapeutics Private Limited. 28 p.

47559917 Bloemer, D. (2008) DPX-KJM44 Granular (Fertilizer) Formulation) 0.06% A.I. Content): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24573. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559920 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37) Blend of Extruded Water-Dispersible Granular Formulations (42.07/11.89/23.67% AI Ratio): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24660. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559923 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2B38) Blend of Extruded Water-Dispersible Granular Formulations (28.7/37.32/8.61% AI Ratio): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24658. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559926 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Metsulfuron Methyl 60WG (DPX-Q2B39) Blend of Extruded Water-Dispersible Granular Formulations (57.14/17.14% AI Ratio): Laboratory Study of Physical and Chemical Properties . Project Number: DUPONT/25710. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559929 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Chlorsulfuron 75WG (DPX-QKJ02) Blend of Extruded Water-Dispersible Granular Formulations (57.14/21.43% AI Ratio): Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/24662. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559931 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. Project Number: DUPONT/26937. Unpublished study prepared by DuPont Crop Protection. 40 p.

47560236 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/189, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560237 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/192, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560239 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/196, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560240 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/200, CORPA00095PEST, DR03/01. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47573404 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/193, CORPA00095PEST. Unpublished study prepared by The Scotts Company. 15 p.

47781603 Bloemer, D. (2009) Aminocyclopyrachlor (DPX-MAT 28) 50SG/Chlorsulfuron 75 WG (39.48/15.77% AI Content) Blend of Water Dispersible Granule Formulations (DPX-Q2KO6): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28516, MT/169, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781606 Bloemer, D. (2009) Aminocyclopyrachlor (DPX-MAT28) 50SG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (31.24/9.41/18.74% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-Q2K11): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28157, DUPONT/28156, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781609 Bloemer, D. (2009) Aminocyclopyrachlor (DPX-MAT28) 50SG/Metsulfuron Methyl 60 WG (39.48/12.62% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-Q2K13): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28159, MT/169, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781612 Bloemer, D (2009) Aminocyclopyrachlor (DPX-MAT 28) 50SG/Imazapyr 75WG/Metsulfuron Methyl 60WG (22.83/31.64/7.3% AI Content) Blend of Water Dispersible Granule Formulations (DPX-Q2K12): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28158, MT/169, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

48037602 Radhakrishnan, D. (2010) Aminocyclopyrachlor (DPX-MAT28) 10.4% MUP: Laboratory Study of Physical State, Colour, Odor. Project Number: DUPONT/29730, 09333. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 17 p.

48037604 Rao, R. (2009) Aminocyclopyrachlor (DPX-MAT28) Granular (Fertilizer) Formulation (0.05% Active): Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/28480, 09210. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 19 p.

48037606 Newton, J. (2010) 0.069% MAT Granular Study: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/221. Unpublished study prepared by The Scotts Company. 15 p.

48066603 Brown, P. (2010) Laboratory Study of Physical and Chemical Properties Aminocyclopyrachlor (DPXMAT28) Granules - 0.03%. Project Number: 30369. Unpublished study prepared by E.I. du Pont de Nemours and Company. 8 p.

48218002 Wilczynski, K. (2010) Ortho MAT28 N RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/266. Unpublished study prepared by The Scotts Company. 17 p.

48218202 Radar, J. (2010) Ortho MAT28S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

48218204 Wilczynski, K. (2010) Ortho MAT28 S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/265. Unpublished study prepared by The Scotts Company. 17 p.

48218502 Rader, J. (2010) Ortho MAT28NS CONC: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/248. Unpublished study prepared by The Scotts Company. 18 p.

48224003 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/257. Unpublished study prepared by The Scotts Company. 16 p.

48224004 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/253, S/15003. Unpublished study prepared by The Scotts Company. 16 p.

48224103 Rader, J. (2010) Scotts 18 MAT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/254. Unpublished study prepared by The Scotts Company. 16 p.

48224104 Rader, J. (2010) Scotts 18 MATT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/250. Unpublished study prepared by The Scotts Company. 16 p.

48225303 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/255. Unpublished study prepared by The Scotts Company. 16 p.

48225304 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/251. Unpublished study prepared by The Scotts Company. 16 p.

48225403 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/256. Unpublished study prepared by The Scotts Company. 16 p.

48225404 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/252. Unpublished study prepared by The Scotts Company. 16 p.

48292902 Rader, J. (2010) Ortho MAT28 Combo RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/263. Unpublished study prepared by The Scotts Company. 19 p.

48316902 Rader, J. (2010) Ortho MAT28 N Combo Concentrate: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Specific Gravity, Viscosity, Corrosion and Storage Stability. Project Number: SS/275. Unpublished study prepared by The Scotts Company. 18 p.

48333603 Radhakrishnan, D. (2010) Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (44.45/6.66% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-RDQ98): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/30094, 10515. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 21 p.

48477601 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability: Ortho MAT28S RTU: Final Report. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

### **830.6313:Stability to normal and elevated temperatures, metals, and metal ions**

47559810 Yogeesha, S. (2007) DPX-MAT28: Stability to Normal and Elevated Temperatures, Metals, and Metal Ions. Project Number: G4790, DUPONT/22539. Unpublished study prepared by Advinus Therapeutics Private Limited. 55 p.

47559830 Yogeesha, S. (2007) DPX-KJM44: Stability to Normal and Elevated Temperatures, Metals and Metal Ions. Project Number: G4800, DUPONT/22549. Unpublished study prepared by Advinus Therapeutics Private Limited. 54 p.

### **830.6314:Oxidizing or reducing action**

47560236 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/189, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560237 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/192, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560239 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/196, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560240 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/200, CORPA00095PEST, DR03/01. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47573404 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/193, CORPA00095PEST. Unpublished study prepared by The Scotts Company. 15 p.

48037606 Newton, J. (2010) 0.069% MAT Granular Study: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/221. Unpublished study prepared by The Scotts Company. 15 p.

48218002 Wilczynski, K. (2010) Ortho MAT28 N RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/266. Unpublished study prepared by The Scotts Company. 17 p.

48218202 Radar, J. (2010) Ortho MAT28S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

48218204 Wilczynski, K. (2010) Ortho MAT28 S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/265. Unpublished study prepared by The Scotts Company. 17 p.

48218502 Rader, J. (2010) Ortho MAT28NS CONC: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/248. Unpublished study prepared by The Scotts Company. 18 p.

48224003 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/257. Unpublished study prepared by The Scotts Company. 16 p.

48224004 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/253, S/15003. Unpublished study prepared by The Scotts Company. 16 p.

48224103 Rader, J. (2010) Scotts 18 MAT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/254. Unpublished study prepared by The Scotts Company. 16 p.

48224104 Rader, J. (2010) Scotts 18 MATT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/250. Unpublished study prepared by The Scotts Company. 16 p.

48225303 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/255. Unpublished study prepared by The Scotts Company. 16 p.

48225304 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/251. Unpublished study prepared by The Scotts Company. 16 p.

48225403 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/256. Unpublished study prepared by The Scotts Company. 16 p.

48225404 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/252. Unpublished study prepared by The Scotts Company. 16 p.

48292902 Rader, J. (2010) Ortho MAT28 Combo RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/263. Unpublished study prepared by The Scotts Company. 19 p.

48316902 Rader, J. (2010) Otho MAT28 N Combo Concentrate: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Specific Gravity, Viscosity, Corrosion and Storage Stability. Project Number: SS/275. Unpublished study prepared by The Scotts Company. 18 p.

48477601 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability: Ortho MAT28S RTU: Final Report. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

### **830.6315 Flammability**

47559910 Bloemer, D. (2008) DPX-MAT28 SL (21.2% Active W/W) End-Use Product Soluble Concentrate Formulation: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/22853. Unpublished study prepared by DuPont Crop Protection. 10 p.

48218002 Wilczynski, K. (2010) Ortho MAT28 N RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/266. Unpublished study prepared by The Scotts Company. 17 p.

48218202 Radar, J. (2010) Ortho MAT28S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

48218204 Wilczynski, K. (2010) Ortho MAT28 S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/265. Unpublished study prepared by The Scotts Company. 17 p.

48218502 Rader, J. (2010) Ortho MAT28NS CONC: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/248. Unpublished study prepared by The Scotts Company. 18 p.

48292902 Rader, J. (2010) Ortho MAT28 Combo RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/263. Unpublished study prepared by The Scotts Company. 19 p.

48477601 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability: Ortho MAT28S RTU: Final Report. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

### **830.6316 Explodability**

47559903 Hirata, C. (2008) DPX-KJM44: Volatility, Calculation of Henry's Law Constant. Project Number: DUPONT/22534/EU. Unpublished study prepared by DuPont Crop Protection. 7 p.

47559907 Bloemer, D. (2008) DPX-KJM44 80WG Water-Dispersible Granular Formulation (80%): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/22858. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559913 Bloemer, D. (2008) DPX-MAT28 50SG Water Soluble Granule Formulation: Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/25694. Unpublished study prepared by DuPont Crop Protection. 10 p.

48066603 Brown, P. (2010) Laboratory Study of Physical and Chemical Properties Aminocyclopyrachlor (DPXMAT28) Granules - 0.03%. Project Number: 30369. Unpublished study prepared by E.I. du Pont de Nemours and Company. 8 p.

### **830.6317:Storage stability**

47560236 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/189, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

48037606 Newton, J. (2010) 0.069% MAT Granular Study: Physical and Chemical Characteristics: Color, Physical

48218002 Wilczynski, K. (2010) Ortho MAT28 N RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/266. Unpublished study prepared by The Scotts Company. 17 p.

48218202 Radar, J. (2010) Ortho MAT28S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

48218204 Wilczynski, K. (2010) Ortho MAT28 S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/265. Unpublished study prepared by The Scotts Company. 17 p.

48218502 Rader, J. (2010) Ortho MAT28NS CONC: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/248. Unpublished study prepared by The Scotts Company. 18 p.

48224003 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/257. Unpublished study prepared by The Scotts Company. 16 p.

48224004 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/253, S/15003. Unpublished study prepared by The Scotts Company. 16 p.

48224103 Rader, J. (2010) Scotts 18 MAT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/254. Unpublished study prepared by The Scotts Company. 16 p.

48224104 Rader, J. (2010) Scotts 18 MATT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/250. Unpublished study prepared by The Scotts Company. 16 p.

48225303 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/255. Unpublished study prepared by The Scotts Company. 16 p.

48225304 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/251. Unpublished study prepared by The Scotts Company. 16 p.

48225403 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/256. Unpublished study prepared by The Scotts Company. 16 p.

48225404 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/252. Unpublished study prepared by The Scotts Company. 16 p.

48292902 Rader, J. (2010) Ortho MAT28 Combo RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/263. Unpublished study prepared by The Scotts Company. 19 p.

48372401 S,A. (2008) DPX-MAT28: Long- Term Storage Stability and Corrosion Characteristics . Project Number: G4788, DUPONT/22556. Unpublished study prepared by Advinus Therapeutics Private Limited. 34 p.

48372402 B, J. (2008) DPX-KJM44: Long-Term Storage Stability and Corrosion Characteristics. Project Number: G4799, DUPONT/22557. Unpublished study prepared by Advinus Therapeutics Private Limited. 34 p.

48372403 Kalyankar, P. (2010) Aminocyclopyrachlor (DPX-MAT28) 10.4%MUP: Long-Term Storage Stability and Corrosion Characteristics. Project Number: G6577, DUPONT/27959. Unpublished study prepared by Advinus Therapeutics Private Limited. 45 p.

48372404 Umaganesh, M. (2009) DPX-KJM44 80WG Water Dispersible Granule: Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/22857, 08166. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 32 p.

48372405 Ganesh,M. (2009) DPX-MAT28 50SG Water Soluble Granule Formulation: Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/25695, 08346. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 32 p.

48372406 Ganesh, M. (2009) DPX-MAT28 SL (21.2% Active W/W) End-Use Product Soluble Concentrate Formulation: Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/22854, 08167. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 32 p.

48372407 Ravi, P. (2009) DPX-KJM44 Granular Fertilizer Formulation (0.06% A.I. Content): Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/24572, 08228. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 34 p.

48372408 Ravi, P. (2010) Aminocyclopyrachlor (DPX-MAT28) Granular (Fertilizer) Formulation (0.05% Active): Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/28481. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 32 p.

48429601 Yogeesh, S. (2011) DPX-KJM44 10% MUP: Long Term Storage Stability and Corrosion Characteristics. Project Number: G5211, DUPONT/24543. Unpublished study prepared by Advinus Therapeutics Private Limited. 36 p.

48477601 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability: Ortho MAT28S RTU: Final Report. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

48583201 Krishnan, V. (2010) Aminocyclopyrachlor (DPX-MAT28) 50SG/Imazapyr 75 WG/Metsulfuron Methyl 60 WG (22.83/31.64/7.3% AI Constant) Blend of Water-dispersible Granule Formulations (DPX-Q2k12): Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/28147, 09111. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 44p.

48583301 Kousalya, S. (2010) Aminocyclopyrachlor (DPX-MAT28) 50 SG/Chlorsulfuron 75 WG (39.48/15.77% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-Q2K06): Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/28145 09109. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 38p.

48583401 Sathiyarayanan, S. (2011) Aminocyclopyrachlor (DPX-MAT28) 50SG/Metsulfuron Methyl 60 WG (39.48/12.62% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-Q2K13): Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/28148, 09112. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 36p.

### **830.6320:Corrosion characteristics**

47560236 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/189, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

48037606 Newton, J. (2010) 0.069% MAT Granular Study: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/221. Unpublished study prepared by The Scotts Company. 15 p.

48218002 Wilczynski, K. (2010) Ortho MAT28 N RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/266. Unpublished study prepared by The Scotts Company. 17 p.

48218202 Radar, J. (2010) Ortho MAT28S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

48218204 Wilczynski, K. (2010) Ortho MAT28 S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/265. Unpublished study prepared by The Scotts Company. 17 p.

48218502 Rader, J. (2010) Ortho MAT28NS CONC: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/248. Unpublished study prepared by The Scotts Company. 18 p.

48224003 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/257. Unpublished study prepared by The Scotts Company. 16 p.

48224004 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/253, S/15003. Unpublished study prepared by The Scotts Company. 16 p.

48224103 Rader, J. (2010) Scotts 18 MAT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/254. Unpublished study prepared by The Scotts Company. 16 p.

48224104 Rader, J. (2010) Scotts 18 MATT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/250. Unpublished study prepared by The Scotts Company. 16 p.

48225303 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/255. Unpublished study prepared by The Scotts Company. 16 p.

48225304 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/251. Unpublished study prepared by The Scotts Company. 16 p.

48225403 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/256. Unpublished study prepared by The Scotts Company. 16 p.

48225404 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/252. Unpublished study prepared by The Scotts Company. 16 p.

48292902 Rader, J. (2010) Ortho MAT28 Combo RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/263. Unpublished study prepared by The Scotts Company. 19 p.

48372401 S,A. (2008) DPX-MAT28: Long- Term Storage Stability and Corrosion Charactersitics . Project Number: G4788, DUPONT/22556. Unpublished study prepared by Advinus Therapeutics Private Limited. 34 p.

48372402 B, J. (2008) DPX-KJM44: Long-Term Storage Stability and Corrosion Characteristics. Project Number: G4799, DUPONT/22557. Unpublished study prepared by Advinus Therapeutics Private Limited. 34 p.

48372403 Kalyankar, P. (2010) Aminocyclopyrachlor (DPX-MAT28) 10.4%MUP: Long-Term Storage Stability and Corrosion Characteristics. Project Number: G6577, DUPONT/27959. Unpublished study prepared by Advinus Therapeutics Private Limited. 45 p.

48372404 Umaganesh, M. (2009) DPX-KJM44 80WG Water Dispersible Granule: Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/22857, 08166. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 32 p.

48372405 Ganesh,M. (2009) DPX-MAT28 50SG Water Soluble Granule Formulation: Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/25695, 08346. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 32 p.

48372406 Ganesh, M. (2009) DPX-MAT28 SL (21.2% Active W/W) End-Use Product Soluble Concentrate Formulation: Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/22854, 08167. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 32 p.

48372407 Ravi, P. (2009) DPX-KJM44 Granular Fertilizer Formulation (0.06% A.I. Content): Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/24572, 08228. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 34 p.

48372408 Ravi, P. (2010) Aminocyclopyrachlor (DPX-MAT28) Granular (Fertilizer) Formulation (0.05% Active): Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/28481. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 32 p.

48429601 Yogeesh, S. (2011) DPX-KJM44 10% MUP: Long Term Storage Stability and Corrosion Characteristics. Project Number: G5211, DUPONT/24543. Unpublished study prepared by Advinus Therapeutics Private Limited. 36 p.

48477601 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability: Ortho MAT28S RTU: Final Report. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

48583201 Krishnan, V. (2010) Aminocyclopyrachlor (DPX-MAT28) 50SG/Imazapyr 75 WG/Metsulfuron Methyl 60 WG (22.83/31.64/7.3% AI Constant) Blend of Water-dispersible Granule Formulations (DPX-Q2k12): Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/28147, 09111. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 44p.

48583301 Kousalya, S. (2010) Aminocyclopyrachlor (DPX-MAT28) 50 SG/Chlorsulfuron 75 WG (39.48/15.77% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-Q2K06): Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/28145 09109. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 38p.

48583401 Sathiyarayanan, S. (2011) Aminocyclopyrachlor (DPX-MAT28) 50SG/Metsulfuron Methyl 60 WG (39.48/12.62% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-Q2K13): Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/28148, 09112. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 36p.

### **830.7000 pH**

47559812 Moorthy, M. (2007) DPX-MAT28: Laboratory Study of pH. Project Number: G4785, DUPONT/22543. Unpublished study prepared by Advinus Therapeutics Private Limited. 19 p.

47559832 Moorthy, S. (2007) DPX-KJM44: Laboratory Study of pH. Project Number: G4796, DUPONT/22532. Unpublished study prepared by Advinus Therapeutics Private Limited. 20 p.

47559907 Bloemer, D. (2008) DPX-KJM44 80WG Water-Dispersible Granular Formulation (80%): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/22858. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559910 Bloemer, D. (2008) DPX-MAT28 SL (21.2% Active W/W) End-Use Product Soluble Concentrate Formulation: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/22853. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559913 Bloemer, D. (2008) DPX-MAT28 50SG Water Soluble Granule Formulation: Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/25694. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559915 Pushpalatha, K. (2008) DPX-KJM44 10% MUP: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Relative Density, Bulk Density, and pH. Project Number: G5210, DUPONT/24544. Unpublished study prepared by Advinus Therapeutics Private Limited. 28 p.

47559915 Pushpalatha, K. (2008) DPX-KJM44 10% MUP: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Relative Density, Bulk Density, and pH. Project Number: G5210, DUPONT/24544. Unpublished study prepared by Advinus Therapeutics Private Limited. 28 p.

47559917 Bloemer, D. (2008) DPX-KJM44 Granular (Fertilizer) Formulation) 0.06% A.I. Content): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24573. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559920 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37) Blend of Extruded Water-Dispersible Granular Formulations (42.07/11.89/23.67% AI Ratio): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24660. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559923 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2B38) Blend of Extruded Water-Dispersible Granular Formulations (28.7/37.32/8.61% AI Ratio): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24658. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559926 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Metsulfuron Methyl 60WG (DPX-Q2B39) Blend of Extruded Water-Dispersible Granular Formulations (57.14/17.14% AI Ratio): Laboratory Study of Physical and Chemical Properties . Project Number: DUPONT/25710. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559929 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Chlorsulfuron 75WG (DPX-QKJ02) Blend of Extruded Water-Dispersible Granular Formulations (57.14/21.43% AI Ratio): Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/24662. Unpublished study prepared by DuPont Crop Protection. 9 p.

47560236 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/189, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560237 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/192, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560239 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/196, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560240 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/200, CORPA00095PEST, DR03/01. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47573404 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/193, CORPA00095PEST. Unpublished study prepared by The Scotts Company. 15 p.

47781603 Bloemer, D. (2009) Aminocyclopyrachlor (DPX-MAT 28) 50SG/Chlorsulfuron 75 WG (39.48/15.77% AI Content) Blend of Water Dispersible Granule Formulations (DPX-Q2KO6): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28516, MT/169, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781606 Bloemer, D. (2009) Aminocyclopyrachlor (DPX-MAT28) 50SG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (31.24/9.41/18.74% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-Q2K11): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28157, DUPONT/28156, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781609 Bloemer, D. (2009) Aminocyclopyrachlor (DPX-MAT28) 50SG/Metsulfuron Methyl 60 WG (39.48/12.62% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-Q2K13): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28159, MT/169, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781612 Bloemer, D (2009) Aminocyclopyrachlor (DPX-MAT 28) 50SG/Imazapyr 75WG/Metsulfuron Methyl 60WG (22.83/31.64/7.3% Al Content) Blend of Water Dispersible Granule Formulations (DPX-Q2K12): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28158, MT/169, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

48037603 Rao, T. (2010) Aminocyclopyrachlor (DPX-MAT28) 10.4% MUP: Laboratory Study of pH and Bulk Density. Project Number: DUPONT/29929, 10113. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 16 p.

48037604 Rao, R. (2009) Aminocyclopyrachlor (DPX-MAT28) Granular (Fertilizer) Formulation (0.05% Active): Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/28480, 09210. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 19 p.

48037606 Newton, J. (2010) 0.069% MAT Granular Study: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/221. Unpublished study prepared by The Scotts Company. 15 p.

48066603 Brown, P. (2010) Laboratory Study of Physical and Chemical Properties Aminocyclopyrachlor (DPXMAT28) Granules - 0.03%. Project Number: 30369. Unpublished study prepared by E.I. du Pont de Nemours and Company. 8 p.

48218002 Wilczynski, K. (2010) Ortho MAT28 N RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/266. Unpublished study prepared by The Scotts Company. 17 p.

48218202 Radar, J. (2010) Ortho MAT28S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

48218204 Wilczynski, K. (2010) Ortho MAT28 S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/265. Unpublished study prepared by The Scotts Company. 17 p.

48218502 Rader, J. (2010) Ortho MAT28NS CONC: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/248. Unpublished study prepared by The Scotts Company. 18 p.

48224003 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/257. Unpublished study prepared by The Scotts Company. 16 p.

48224004 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/253, S/15003. Unpublished study prepared by The Scotts Company. 16 p.

48224103 Rader, J. (2010) Scotts 18 MAT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/254. Unpublished study prepared by The Scotts Company. 16 p.

48224104 Rader, J. (2010) Scotts 18 MATT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/250. Unpublished study prepared by The Scotts Company. 16 p.

48225303 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/255. Unpublished study prepared by The Scotts Company. 16 p.

48225304 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/251. Unpublished study prepared by The Scotts Company. 16 p.

48225403 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/256. Unpublished study prepared by The Scotts Company. 16 p.

48225404 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/252. Unpublished study prepared by The Scotts Company. 16 p.

48292902 Rader, J. (2010) Ortho MAT28 Combo RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/263. Unpublished study prepared by The Scotts Company. 19 p.

48316902 Rader, J. (2010) Otho MAT28 N Combo Concentrate: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Specific Gravity, Viscosity, Corrosion and Storage Stability. Project Number: SS/275. Unpublished study prepared by The Scotts Company. 18 p.

48333603 Radhakrishnan, D. (2010) Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (44.45/6.66% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-RDQ98): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/30094, 10515. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 21 p.

48477601 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability: Ortho MAT28S RTU: Final Report. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

### **830.7050:UV/Visible absorption**

47559833 Moorthy, M. (2007) DPX-KJM44: Laboratory Study of UV-VIS Absorption Spectrum and Molar Absorptivity. Project Number: G4795, DUPONT/22546. Unpublished study prepared by Advinus Therapeutics Private Limited. 38 p.

47559904 Tunink, A. (2007) DPX-KJM44 (PAI): Spectra (Mass Spectrum, Infrared Spectrum, and NMR). Project Number: DUPONT/22550, 62820. Unpublished study prepared by ABC Laboratories, Inc. and Spectral Data Services, Inc. 23 p.

47573401 Moorthy, M. (2007) DPX-MAT28: Laboratory Study of UV-VIS Absorption Spectrum and Molar Absorptivity. Project Number: G4784, DUPONT/22536. Unpublished study prepared by Advinus Therapeutics Private Limited. 35 p.

### **830.7100 Viscosity**

47559910 Bloemer, D. (2008) DPX-MAT28 SL (21.2% Active W/W) End-Use Product Soluble Concentrate Formulation: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/22853. Unpublished study prepared by DuPont Crop Protection. 10 p.

48218002 Wilczynski, K. (2010) Ortho MAT28 N RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/266. Unpublished study prepared by The Scotts Company. 17 p.

48218202 Radar, J. (2010) Ortho MAT28S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

48218204 Wilczynski, K. (2010) Ortho MAT28 S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/265. Unpublished study prepared by The Scotts Company. 17 p.

48218502 Rader, J. (2010) Ortho MAT28NS CONC: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/248. Unpublished study prepared by The Scotts Company. 18 p.

48292902 Rader, J. (2010) Ortho MAT28 Combo RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/263. Unpublished study prepared by The Scotts Company. 19 p.

48316902 Rader, J. (2010) Ortho MAT28 N Combo Concentrate: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Specific Gravity, Viscosity, Corrosion and Storage Stability. Project Number: SS/275. Unpublished study prepared by The Scotts Company. 18 p.

48477601 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability: Ortho MAT28S RTU: Final Report. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

### **830.7200:Melting point/melting range**

47559808 Shalini, L. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4891, DUPONT/23196. Unpublished study prepared by Advinus Therapeutics Private Limited. 31 p.

47559809 Anand, H. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling/Decomposition, Relative Density and Bulk Density. Project Number: G4781, DUPONT/22551. Unpublished study prepared by Advinus Therapeutics Private Limited. 35 p.

47559828 Shalini, L. (2007) DPX-KJM44: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4792, DUPONT/23307. Unpublished study prepared by Advinus Therapeutics Private Limited. 32 p.

47559914 Brown, P. (2008) Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor Methyl (DPX-KJM44) 10% Manufacturing Use Product. Project Number: DUPONT/22901. Unpublished study prepared by DuPont Crop Protection. 33 p.

47559918 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80 WG/Chorculfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37), A Blend of Water Dispersible Granules (42.1% + 11.9% + 23.7% Active). Project Number: DUPONT/25708. Unpublished study prepared by DuPont Crop Protection. 42 p.

47559918 Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80 WG/Chorculfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37), A Blend of Water Dispersible Granules (42.1% + 11.9% + 23.7% Active). Project Number: DUPONT/25708. Unpublished study prepared by DuPont Crop Protection. 42 p.

### **830.7220:Boiling point/boiling range**

47559808 Shalini, L. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4891, DUPONT/23196. Unpublished study prepared by Advinus Therapeutics Private Limited. 31 p.

47559809 Anand, H. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling/Decomposition, Relative Density and Bulk Density. Project Number: G4781, DUPONT/22551. Unpublished study prepared by Advinus Therapeutics Private Limited. 35 p.

47559828 Shalini, L. (2007) DPX-KJM44: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4792, DUPONT/23307. Unpublished study prepared by Advinus Therapeutics Private Limited. 32 p.

### **830.7300:Density/relative density**

47559808 Shalini, L. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4891, DUPONT/23196. Unpublished study prepared by Advinus Therapeutics Private Limited. 31 p.

47559809 Anand, H. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling/Decomposition, Relative Density and Bulk Density. Project Number: G4781, DUPONT/22551. Unpublished study prepared by Advinus Therapeutics Private Limited. 35 p.

47559828 Shalini, L. (2007) DPX-KJM44: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4792, DUPONT/23307. Unpublished study prepared by Advinus Therapeutics Private Limited. 32 p.

47559829 Shalini, L. (2007) DPX-KJM44: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State and Bulk Density. Project Number: G4890, DUPONT/22552. Unpublished study prepared by Advinus Therapeutics Private Limited. 22 p.

47559907 Bloemer, D. (2008) DPX-KJM44 80WG Water-Dispersible Granular Formulation (80%): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/22858. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559910 Bloemer, D. (2008) DPX-MAT28 SL (21.2% Active W/W) End-Use Product Soluble Concentrate Formulation: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/22853. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559913 Bloemer, D. (2008) DPX-MAT28 50SG Water Soluble Granule Formulation: Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/25694. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559915 Pushpalatha, K. (2008) DPX-KJM44 10% MUP: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Relative Density, Bulk Density, and pH. Project Number: G5210, DUPONT/24544. Unpublished study prepared by Advinus Therapeutics Private Limited. 28 p.

47559915 Pushpalatha, K. (2008) DPX-KJM44 10% MUP: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Relative Density, Bulk Density, and pH. Project Number: G5210, DUPONT/24544. Unpublished study prepared by Advinus Therapeutics Private Limited. 28 p.

47559917 Bloemer, D. (2008) DPX-KJM44 Granular (Fertilizer) Formulation) 0.06% A.I. Content): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24573. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559920 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37) Blend of Extruded Water-Dispersible Granular Formulations (42.07/11.89/23.67% AI Ratio): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24660. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559923 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2B38) Blend of Extruded Water-Dispersible Granular Formulations (28.7/37.32/8.61% AI Ratio): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24658. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559926 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Metsulfuron Methyl 60WG (DPX-Q2B39) Blend of Extruded Water-Dispersible Granular Formulations (57.14/17.14% AI Ratio): Laboratory Study of Physical and Chemical Properties . Project Number: DUPONT/25710. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559929 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Chlorsulfuron 75WG (DPX-QKJ02) Blend of Extruded Water-Dispersible Granular Formulations (57.14/21.43% AI Ratio): Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/24662. Unpublished study prepared by DuPont Crop Protection. 9 p.

47560236 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/189, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560237 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/192, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560239 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/196, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47560240 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/200, CORPA00095PEST, DR03/01. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47573404 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/193, CORPA00095PEST. Unpublished study prepared by The Scotts Company. 15 p.

47781603 Bloemer, D. (2009) Aminocyclopyrachlor (DPX-MAT 28) 50SG/Chlorsulfuron 75 WG (39.48/15.77% AI Content) Blend of Water Dispersible Granule Formulations (DPX-Q2K06): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28516, MT/169, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781606 Bloemer, D. (2009) Aminocyclopyrachlor (DPX-MAT28) 50SG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (31.24/9.41/18.74% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-Q2K11): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28157, DUPONT/28156, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781609 Bloemer, D. (2009) Aminocyclopyrachlor (DPX-MAT28) 50SG/Metsulfuron Methyl 60 WG (39.48/12.62% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-Q2K13): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28159, MT/169, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

47781612 Bloemer, D (2009) Aminocyclopyrachlor (DPX-MAT 28) 50SG/Imazapyr 75WG/Metsulfuron Methyl 60WG (22.83/31.64/7.3% AI Content) Blend of Water Dispersible Granule Formulations (DPX-Q2K12): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/28158, MT/169, CIPAC/MT/75/3. Unpublished study prepared by E.I. du Pont de Nemours and Company. 10 p.

48037603 Rao, T. (2010) Aminocyclopyrachlor (DPX-MAT28) 10.4% MUP: Laboratory Study of pH and Bulk Density. Project Number: DUPONT/29929, 10113. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 16 p.

48037604 Rao, R. (2009) Aminocyclopyrachlor (DPX-MAT28) Granular (Fertilizer) Formulation (0.05% Active): Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/28480, 09210. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 19 p.

48037606 Newton, J. (2010) 0.069% MAT Granular Study: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/221. Unpublished study prepared by The Scotts Company. 15 p.

48066603 Brown, P. (2010) Laboratory Study of Physical and Chemical Properties Aminocyclopyrachlor (DPXMAT28) Granules - 0.03%. Project Number: 30369. Unpublished study prepared by E.I. du Pont de Nemours and Company. 8 p.

48218002 Wilczynski, K. (2010) Ortho MAT28 N RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/266. Unpublished study prepared by The Scotts Company. 17 p.

48218202 Radar, J. (2010) Ortho MAT28S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

48218204 Wilczynski, K. (2010) Ortho MAT28 S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/265. Unpublished study prepared by The Scotts Company. 17 p.

48218502 Rader, J. (2010) Ortho MAT28NS CONC: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/248. Unpublished study prepared by The Scotts Company. 18 p.

48224003 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/257. Unpublished study prepared by The Scotts Company. 16 p.

48224004 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 65 MAT Weed & Feed. Project Number: SS/253, S/15003. Unpublished study prepared by The Scotts Company. 16 p.

48224103 Rader, J. (2010) Scotts 18 MAT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/254. Unpublished study prepared by The Scotts Company. 16 p.

48224104 Rader, J. (2010) Scotts 18 MATT Weed & Feed: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, pH, Corrosion, Bulk Density and Storage Stability. Project Number: SS/250. Unpublished study prepared by The Scotts Company. 16 p.

48225303 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/255. Unpublished study prepared by The Scotts Company. 16 p.

48225304 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 55 MAT Weed & Feed. Project Number: SS/251. Unpublished study prepared by The Scotts Company. 16 p.

48225403 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/256. Unpublished study prepared by The Scotts Company. 16 p.

48225404 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Corrosion, Bulk Density and Storage Stability: Scotts 60 MAT Weed & Feed. Project Number: SS/252. Unpublished study prepared by The Scotts Company. 16 p.

48292902 Rader, J. (2010) Ortho MAT28 Combo RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability. Project Number: SS/263. Unpublished study prepared by The Scotts Company. 19 p.

48316902 Rader, J. (2010) Otho MAT28 N Combo Concentrate: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Specific Gravity, Viscosity, Corrosion and Storage Stability. Project Number: SS/275. Unpublished study prepared by The Scotts Company. 18 p.

48333603 Radhakrishnan, D. (2010) Aminocyclopyrachlor 50SG/Metsulfuron Methyl 60WG (44.45/6.66% AI Content) Blend of Water-Dispersible Granule Formulations (DPX-RDQ98): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/30094, 10515. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 21 p.

48477601 Rader, J. (2010) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, Flammability, Viscosity, Specific Gravity, pH, Corrosion and Storage Stability: Ortho MAT28S RTU: Final Report. Project Number: SS/227. Unpublished study prepared by The Scotts Company. 18 p.

### **830.7370:Dissociation constants in water**

47559814 Anand, H. (2007) DPX-MAT28: Laboratory Study of Dissociation Constants in Water. Project Number: G4789, DUPONT/22555. Unpublished study prepared by Advinus Therapeutics Private Limited. 28 p.

47890901 Sathiyarayanan, S. (2009) DPX-MAT28 240SL: Laboratory Study of Dissociation Constant. Project Number: DUPONT/29260, 09249. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 22 p.

### **830.7550:Partition coefficient (n-octanol/water), shake flask method**

47559815 Manjunatha, S. (2007) DPX-MAT28: Laboratory Study of n-Octanol/ Water Partition Coefficient. Project Number: G4782, DUPONT/22544. Unpublished study prepared by Advinus Therapeutics Private Limited. 63 p.

47559834 Manjunatha, S. (2007) DPX-KJM44: Laboratory Study of N-Octanol/Water Partition Coefficient. Project Number: DUPONT/22533, G4793. Unpublished study prepared by Advinus Therapeutics Private Limited. 34 p.

### **830.7840:Water solubility: Column elution method, shake flask method**

47559816 Moorthy, M. (2007) DPX-MAT28: Laboratory Study of Water Solubility. Project Number: G4783, DUPONT/22541. Unpublished study prepared by Advinus Therapeutics Private Limited. 46 p.

47559817 Anand, H. (2007) DPX-MAT28: Solubility in Organic Solvents. Project Number: G4786, DUPONT/22542. Unpublished study prepared by Advinus Therapeutics Private Limited. 70 p.

47559835 Moorthy, M. (2007) DPX-KJM44: Laboratory Study of Water Solubility. Project Number: G4794, DUPONT/22530. Unpublished study prepared by Advinus Therapeutics Private Limited. 33 p.

47559901 Anand, H. (2007) DPX-KJM44: Solubility in Organic Solvents. Project Number: G4797, DUPONT/22531. Unpublished study prepared by Advinus Therapeutics Private Limited. 67 p.

### **830.7950:Vapor pressure**

47559818 Moorthy, M. (2007) DPX-MAT28: Laboratory Study of Vapour Pressure. Project Number: DUPONT/22537, G4780. Unpublished study prepared by Advinus Therapeutics Private Limited. 57 p.

47559902 Moorthy, M. (2007) DPX-KJM44 (PAI): Laboratory Study of Vapour Pressure. Project Number: DUPONT/22547, G4791. Unpublished study prepared by Advinus Therapeutics Private Limited. 49 p.

### **835.1230:Sediment and soil absorption/desorption for parent and degradates**

47560218 Manjunatha, S. (2008) (Carbon 14)-DPX-KJM44: Batch Equilibrium (Adsorption/Desorption) in Five Soils. Project Number: DUPONT/22368, G4825, D01/09/EFATE. Unpublished study prepared by Advinus Therapeutics Private Limited. 76 p.

47560219 Manjunatha, S. (2008) (Carbon 14)-DPX-MAT28: Batch Equilibrium (Adsorption/Desorption) in Five Soils. Project Number: DUPONT/22433, G4822. Unpublished study prepared by Advinus Therapeutics Private Limited. 71 p.

47560220 Manjunatha, S. (2008) Screening of Soils for Adsorption/Desorption Characteristics of (Carbon 14)-DPX-MAT28. Project Number: DUPONT/25432, G5252, D01/08/EFATE. Unpublished study prepared by Advinus Therapeutics Private Limited. 60 p.

### **835.2110:Hydrolysis as a function of pH**

**47560210 Manjunatha, S. (2008) (Carbon 14)-DPX-MAT28: Laboratory Study of Hydrolysis as a Function of pH. Project Number: G4821, DUPONT/22116, D01/08/EFATE. Unpublished study prepared by Advinus Therapeutics Private Limited. 59 p.**

**47835701 Manjunatha, S. (2008) (Carbon 14) - DPX-KJM44: Laboratory Study of Hydrolysis as a Function of pH. Project Number: G4824, DUPONT/22553, D01/09/EFATE. Unpublished study prepared by Advinus Therapeutics Private Limited. 116 p.**

### **835.2410:Photodegradation of parent and degradates in soil**

47560213 Wardrope, L. (2008) Photodegradation of [Pyrimidine-2-(Carbon 14)]-DPX-MAT28 on Soil: Final Report. Project Number: DUPONT/22118, 807770. Unpublished study prepared by Charles River Laboratories. 76 p.

### **835.4200:Anaerobic soil metabolism**

47560214 Hirata, C.; Malekani, K.; Young, G. (2008) Aerobic Soil Metabolism of DPX-KJM44 (DPX-MAT28 Methyl Ester) in Soil. Project Number: DUPONT/22435. Unpublished study prepared by: E. I. Du Pont De Nemours and Co., Inc. 67 p.

47560215 Wardrope, L. (2008) Anaerobic Soil Metabolism of [Carbon 14]-DPX-MAT28. Project Number: DUPONT/22436, 807629. Unpublished study prepared by Charles River Laboratories . 60 p.

### **835.4300:Aerobic aquatic metabolism**

47560214 Hirata, C.; Malekani, K.; Young, G. (2008) Aerobic Soil Metabolism of DPX-KJM44 (DPX-MAT28 Methyl Ester) in Soil. Project Number: DUPONT/22435. Unpublished study prepared by: E. I. Du Pont De Nemours and Co., Inc. 67 p.

47560216 McCorquodale, G. (2008) Aerobic Aquatic Metabolism of {Pyrimidine-2-(Carbon 14)}-DPX-MAT28 in Two Water/Sediment Systems. Project Number: DUPONT/22115, 807634. Unpublished study prepared by Charles River Laboratories. 88 p.

835.4400:Anaerobic aquatic metabolism 47560217 McCorquodale, G. (2008) Anaerobic Aquatic Metabolism of [Pyrimidine-2-(Carbon 14)]-DPX-MAT28 in a Water/Sediment System. Project Number: DUPONT/22114, 807765. Unpublished study prepared by Charles River Laboratories . 79 p.

### **835.6100:Terrestrial field dissipation**

47560222 Shepard, E. (2008) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX-KJM44 on Turf in Georgia, USA. Project Number: DUPONT/22526, 62625, 22584. Unpublished study prepared by ABC Laboratories, Inc. and Ag Research Associates and E. I. Du Pont De Nemours and Co., Inc. 259 p.

47560223 Shepard, E. (2008) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX-KJM44 (Methyl Ester) on Turf in Ontario, Canada. Project Number: DUPONT/22529, 62626. Unpublished study prepared by ABC Laboratories, Inc. and Vaughn Agricultural Research Serv., Ltd. and E. I. Du Pont De Nemours and Co., Inc. 296 p.

47560224 Shepard, E. (2008) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 (Methyl Ester) on Bare Soil in Ontario, Canada (Interim Report). Project Number: DUPONT/22527, 62685. Unpublished study prepared by ABC Laboratories, Inc. and Vaughn Agricultural Research Serv., Ltd. and E. I. Du Pont De Nemours and Co., Inc. 260 p.

47575102 Shepard, E. (2008) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 (Methyl Ester) on Bare Soil in California, USA (Interim Report). Project Number: DUPONT/22528, 62686. Unpublished study prepared by ABC Laboratories, Inc., Research for Hire and E.I. du Pont de Nemours and Company. 294 p.

#### **850.1010:Aquatic invertebrate acute toxicity, test, freshwater daphnids**

**47560126 Gallagher, S.; Kendall, T.; Krueger, H. (2007) DPX-MAT28 Technical: A 48-Hour Static Acute Toxicity Test with the Cladoceran (*Daphnia magna*). Project Number: 112A/213, 22415, 17163. Unpublished study prepared by Wildlife International, Ltd. 44 p.**

#### **850.1025:Oyster acute toxicity test (shell deposition)**

**47560127 Gallagher, S.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 96-Hour Shell Deposition Test with the Eastern Oyster (*Crassostrea virginica*). Project Number: 112A/216, 22707, 17262. Unpublished study prepared by Wildlife International, Ltd. 44 p.**

#### **850.1035:Mysid acute toxicity test**

**47560128 Gallagher, S.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 96-Hour Static Acute Toxicity Test with the Saltwater Mysid (*Americamysis bahia*). Project Number: 112A/236, 22417, 17163. Unpublished study prepared by Wildlife International, Ltd. 42 p.**

#### **850.1075:Fish acute toxicity test, freshwater and marine**

**47560123 Palmer, S.; Kendall, T.; Krueger, H. (2007) DPX-MAT28 Technical: a 96-Hour Static Acute Toxicity Test with the Rainbow Trout (*Oncorhynchus mykiss*). Project Number: 22383, 17163, 228. Unpublished study prepared by Wildlife International, Ltd. 43 p.**

**47560124 Gallagher, S.; Kendall, T.; Krueger, H. (2007) DPX-MAT28 Technical: A 96-Hour Static Acute Toxicity Test with the Bluegill (*Lepomis macrochirus*). Project Number: 112A/214, 22384, 17163. Unpublished study prepared by Wildlife International, Ltd. 42 p.**

**47560125 Gallagher, S.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 96-Hour Static Acute Toxicity Test with the Sheepshead Minnow (*Cyprinodon variegatus*). Project Number: 112A/237, 22385, 17163. Unpublished study prepared by Wildlife International, Ltd. 42 p.**

#### **850.1300:Daphnid chronic toxicity test**

**47560129 Gallagher, S.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A Semi-Static Life-Cycle Toxicity Test with the Cladoceran (*Daphnia magna*). Project Number: 112A/238B, 22708, 17262. Unpublished study prepared by Wildlife International, Ltd. 70 p. [Note: Cited in U.S. EPA/OPP 2010b]**

48576201 Minderhout, T.; Kendall, T.; Krueger, H. (2011) Aminocyclopyrachlor (DPX-MAT28) Technical: A Semi-Static Life-Cycle Toxicity Test with the Cladoceran (*Daphnia magna*). Project Number: 112A/355A, 19271, 254. Unpublished study prepared by Wildlife International, Ltd. 73p. [Note: Not cited in U.S. EPA/OPP 2010b]

#### **850.1400:Fish early-life stage toxicity test**

**47560130** Gallagher, S.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: An Early Life-Stage Toxicity Test with the Rainbow Trout (*Oncorhynchus mykiss*). Project Number: 112A/239, 22706, 17262. Unpublished study prepared by Wildlife International, Ltd. 80 p.

#### **850.2100:Avian acute oral toxicity test**

**47560118** Gallagher, S.; Beavers, J. (2007) DPX-MAT28 Technical: An Acute Oral Toxicity Study with the Northern Bobwhite. Project Number: 22031, 17163, 340. Unpublished study prepared by Wildlife International, Ltd. 54 p.

#### **850.2200:Avian dietary toxicity test**

**47560119** Hubbard, P.; Martin, K.; Beavers, J. (2007) DPX-MAT28 Technical: A Dietary LC50 Study with the Mallard. Project Number: 22380, 17163, 1620. Unpublished study prepared by Wildlife International, Ltd. 60 p.

**47560120** Hubbard, P.; Martin, K.; Beavers, J. (2007) DPX-MAT28 Technical: A Dietary LC50 Study with the Northern Bobwhite. Project Number: 22381, 17163, 1619. Unpublished study prepared by Wildlife International, Ltd. 60 p.

#### **850.2300:Avian reproduction test**

**47560121** Temple, D.; Martin, K.; Beavers, J.; et al. (2008) DPX-MAT28 Technical: A Reproduction Study with the Northern Bobwhite. Project Number: 22524, 17163, 338. Unpublished study prepared by Wildlife International, Ltd. 207 p.

**47560122** Temple, D.; Martin, K.; Beavers, J.; et. al.; (2008) DPX-MAT28 Technical: A Reproduction Study with the Mallard. Project Number: 22422, 17163, 339. Unpublished study prepared by Wildlife International, Ltd. 205 p.

48333632 Beavers, J. (2010) DPX-MAT28 Technical: A Reproduction Study with the Mallard - Response to USEPA Data Evaluation Report. Project Number: DUPONT/22422/SUPPLEMENT/NO/1. Unpublished study prepared by DuPont Crop Protection. 27 p. [Note: This is a response and not a study. Not cited in U.S. EPA/OPP 2010b]

48333633 Beavers, J. (2010) DPX-MAT28 Technical: A Reproduction Study with the Northern Bobwhite - Response to USEPA Data Evaluation Report. Project Number: DUPONT/22524/SUPPLEMENT NO. 1. Unpublished study prepared by DuPont Crop Protection. 18 p. [Note: This is a response and not a study. Not cited in U.S. EPA/OPP 2010b]

**850.4100:Terrestrial plant toxicity, Tier 1 (seeding emergence)**

47560132 Porch, J.; Martin, K. (2008) DPX-KJM44 80WG: A Greenhouse Study to Investigate the Effects on Seedling Emergence and Growth of Ten Terrestrial Plants Following Soil Exposure. Project Number: 112/610, 22802, 17328. Unpublished study prepared by Wildlife International, Ltd. 194 p. Duplicate entry. [Note: This is cited in U.S. EPA/OPP 2010b]

48077801 Porch, J.; Kendall, T. (2010) Aminocyclopyrachlor (DPX-MAT28) 50SG: A Greenhouse Study to Investigate the Effects on Seedling Emergence and Growth of Ten Terrestrial Plants Following Soil Exposure. Project Number: DUPONT/28149, 18334, 1495. Unpublished study prepared by Wildlife International, Ltd. 178 p.

**850.4150:Terrestrial plant toxicity, Tier 1 (vegetative vigor)**

47560133 Porch, J.; Martin, K. (2008) DPX-KJM44 80WG: A Greenhouse Study to Investigate the Effects on Vegetative Vigor of Ten Terrestrial Plants Following Foliar Exposure. Project Number: 112/611, 22801, 17328. Unpublished study prepared by Wildlife International, Ltd. 168 p.

48077802 Porch, J.; Kendall, T. (2010) Aminocyclopyrachlor (DPX-MAT28) 50SG: A Greenhouse Study to Investigate the Effects on Vegetative Vigor of Ten Terrestrial Plants Following Foliar Exposure. Project Number: DUPONT/28150. Unpublished study prepared by Wildlife International, Ltd. 156 p.

**850.4225:Seedling emergence, Tier II**

47560132 Porch, J.; Martin, K. (2008) DPX-KJM44 80WG: A Greenhouse Study to Investigate the Effects on Seedling Emergence and Growth of Ten Terrestrial Plants Following Soil Exposure. Project Number: 112/610, 22802, 17328. Unpublished study prepared by Wildlife International, Ltd. 194 p.

48077801 Porch, J.; Kendall, T. (2010) Aminocyclopyrachlor (DPX-MAT28) 50SG: A Greenhouse Study to Investigate the Effects on Seedling Emergence and Growth of Ten Terrestrial Plants Following Soil Exposure. Project Number: DUPONT/28149, 18334, 1495. Unpublished study prepared by Wildlife International, Ltd. 178 p.

**850.4250:Vegetative vigor, Tier II**

47560133 Porch, J.; Martin, K. (2008) DPX-KJM44 80WG: A Greenhouse Study to Investigate the Effects on Vegetative Vigor of Ten Terrestrial Plants Following Foliar Exposure. Project Number: 112/611, 22801, 17328. Unpublished study prepared by Wildlife International, Ltd. 168 p.

48077802 Porch, J.; Kendall, T. (2010) Aminocyclopyrachlor (DPX-MAT28) 50SG: A Greenhouse Study to Investigate the Effects on Vegetative Vigor of Ten Terrestrial Plants Following Foliar Exposure. Project Number: DUPONT/28150. Unpublished study prepared by Wildlife International, Ltd. 156 p.

**850.4400:Aquatic plant toxicity test using Lemna spp. Tiers I and II**

47560134 Porch, J.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 7-Day Static-Renewal Toxicity Test with Duckweed (*Lemna gibba* G3). Project Number: 112A/218, 17163, 328. Unpublished study prepared by Wildlife International, Ltd. 57 p.

### **850.5400:Algal toxicity, Tiers 1 and II**

47560201 Porch, J.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 96-Hour Toxicity Test with the Freshwater Alga (*Anabena flos-aquae*). Project Number: 112A/233, DUPONT/22408, 17163. Unpublished study prepared by Wildlife International, Ltd. 61 p.

47560202 Porch, J.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 96-Hour Toxicity Test with the Marine Diatom (*Skeletonema costatum*). Project Number: 112A/235, DUPONT/22409, 17163. Unpublished study prepared by Wildlife International, Ltd. 60 p.

47560203 Porch, J.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 72-Hour Toxicity Test with the Freshwater Alga (*Pseudokirchneriella subcapitata*). Project Number: 112A/217A, DUPONT/22410, 17163. Unpublished study prepared by Wildlife International, Ltd. 62 p.

47560204 Porch, J.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 96-Hour Toxicity Test with the Freshwater Diatom (*Navicula pelliculosa*). Project Number: DUPONT/22411, 112A/234, 17163. Unpublished study prepared by Wildlife International, Ltd. 61 p.

### **860.1000 Background**

48333630 Shepard, E. (2010) Magnitude of DPX-KJM44, DPX-MAT28, and IN-LXT69 Residues in Pasture and Rangeland Grasses Following Applications of DPX-MAT28 Methyl Ester (DPX-KJM44) and DPX-MAT28 Formulations to Field Plots in the United States and Canada in 2008 and 2009. Project Number: DUPONT/24323, 63465. Unpublished study prepared by ABC Laboratories, Inc. 507 p.

### **860.1300:Nature of the residue - plants, livestock**

48333617 Lowrie, C. (2009) Metabolism of (Carbon 14)-KJM44 (Methyl Ester of DPX-MAT28) in Grass. Project Number: DUPONT/22393, 807943. Unpublished study prepared by Charles River Laboratories. 102 p.

48333618 Melville, S. (2009) Metabolism of (Carbon 14)-DPX-KJM44 (Methyl Ester of DPX-MAT28) in the Lactating Goat. Project Number: DUPONT/22837, 212711. Unpublished study prepared by Charles River Laboratories. 105 p.

### **860.1340:Residue analytical method**

47560234 Henze, R.; Nanita, S. (2008) Analytical Method for the Determination of DPX-KJM44 and DPX-MAT28 in Cloth Using LC/MS/MS. Project Number: DUPONT/22768. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 36 p.

48333620 Pentz, A.; Nanita, S. (2008) Analytical Method for the Determination of DPX-KJM44, DPX-MAT28, and Metabolite in Grass Forage and Grass Hay Using LC/MS/MS. Project Number: DUPONT/22582. Unpublished study prepared by DuPont Crop Protection. 52 p.

48333620 Pentz, A.; Nanita, S. (2008) Analytical Method for the Determination of DPX-KJM44, DPX-MAT28, and Metabolite in Grass Forage and Grass Hay Using LC/MS/MS. Project Number: DUPONT/22582. Unpublished study prepared by DuPont Crop Protection. 52 p.

48333621 Vogl, E. (2010) Analytical Method for the Determination of DPX-KJM44, DPX-MAT28, IN-IXT69, INQFH57, and IN-QGC48 in Grass Forage and Grass Hay Using LC/MS/MS. Project Number: DUPONT/22582/SUI/RV2, ABC/64219. Unpublished study prepared by ABC Laboratories, Inc. 99 p.

48333621 Vogl, E. (2010) Analytical Method for the Determination of DPX-KJM44, DPX-MAT28, IN-IXT69, INQFH57, and IN-QGC48 in Grass Forage and Grass Hay Using LC/MS/MS. Project Number: DUPONT/22582/SUI/RV2, ABC/64219. Unpublished study prepared by ABC Laboratories, Inc. 99 p.

48333622 Ward, C.; Spence, C. (2010) Validation of an Analytical Method for the Determination of DPX-MAT28, DPX-KJM44 and IN-LXT69 in Bovine Muscle, Liver, Kidney, Fat, Milk, and Faeces. Project Number: DUPONT/27162/REVISION No. 1, 214745, 29852. Unpublished study prepared by Charles River Laboratories. 131 p.

48333622 Ward, C.; Spence, C. (2010) Validation of an Analytical Method for the Determination of DPX-MAT28, DPX-KJM44 and IN-LXT69 in Bovine Muscle, Liver, Kidney, Fat, Milk, and Faeces. Project Number: DUPONT/27162/REVISION No. 1, 214745, 29852. Unpublished study prepared by Charles River Laboratories. 131 p.

48333623 Pentz, A.; Nanita, S. (2009) Analytical Method for the Determination of DPX-KJM44, DPX-MAT28, and IN-LXT69 in Bovine Tissues, Milk, Eggs and Fish Using LC/MS/MS. Project Number: DUPONT/25836. Unpublished study prepared by DuPont Crop Protection. 98 p.

48333623 Pentz, A.; Nanita, S. (2009) Analytical Method for the Determination of DPX-KJM44, DPX-MAT28, and IN-LXT69 in Bovine Tissues, Milk, Eggs and Fish Using LC/MS/MS. Project Number: DUPONT/25836. Unpublished study prepared by DuPont Crop Protection. 98 p.

48333625 Boughton, J. (2010) Independent Laboratory Validation of Analytical Method DuPont-22582 Supplement 1 for the Determination of DPX-KJM44, DPX-MAT28, IN-LXT69, IN-QFH57, and IN-QGC48 in Dry Crops by HPLC/MS/MS. Project Number: DUPONT/26571, P0005363/0125/135. Unpublished study prepared by MPI Research State College. 156 p.

48333625 Boughton, J. (2010) Independent Laboratory Validation of Analytical Method DuPont-22582 Supplement 1 for the Determination of DPX-KJM44, DPX-MAT28, IN-LXT69, IN-QFH57, and IN-QGC48 in Dry Crops by HPLC/MS/MS. Project Number: DUPONT/26571, P0005363/0125/135. Unpublished study prepared by MPI Research State College. 156 p.

48333626 Rodgers, C. (2010) Independent Laboratory Validation of Analytical Method DuPont-22582 Supplement 1 (Revision 1) for Determination of DPX-KJM44, DPX-MAT28, IN-LXT69, and IN-QGC48 in Grass Hay by HPLC/MS/MS. Project Number: DUPONT/30574, 65869. Unpublished study prepared by ABC Laboratories, Inc. 179 p.

48333626 Rodgers, C. (2010) Independent Laboratory Validation of Analytical Method DuPont-22582 Supplement 1 (Revision 1) for Determination of DPX-KJM44, DPX-MAT28, IN-LXT69, and IN-QGC48 in Grass Hay by HPLC/MS/MS. Project Number: DUPONT/30574, 65869. Unpublished study prepared by ABC Laboratories, Inc. 179 p.

48333627 Sheehan, A. (2010) Independent Laboratory Validation of Analytical Method DuPont-27162 for the Determination of DPX-MAT28, DPX-KJM44, and IN-LXT69 in Bovine Muscle, Liver, Kidney, Fat, Milk and Feces by HPLC/MS/MS. Project Number: DUPONT/28151, P0005469/0125/137. Unpublished study prepared by MPI Research State College. 190 p.

48333627 Sheehan, A. (2010) Independent Laboratory Validation of Analytical Method DuPont-27162 for the Determination of DPX-MAT28, DPX-KJM44, and IN-LXT69 in Bovine Muscle, Liver, Kidney, Fat, Milk and Feces by HPLC/MS/MS. Project Number: DUPONT/28151, P0005469/0125/137. Unpublished study prepared by MPI Research State College. 190 p.

48654201 Rodgers, C. (2010) Independent Laboratory Validation of Analytical Method DuPont-22582, Supplement No. 1 (Revision No. 1) for Determination of DPX-KJM44, DPX-MAT28, IN-LXT69, and IN-QGC48 in Grass Hay by HPLC/MS/MS. Project Number: DUPONT/30574, 65869A. Unpublished study prepared by ABC Laboratories, Inc. 173p.

### **860.1360:Multiresidue method**

48333624 Graham, B. (2009) Multiresidue Method Testing for DPX-KJM44 and DPX-MAT28 According to the FDA Pesticide Analytical Manual Volume I (PAM, Vol. I as Revised in October 1999), Appendix II . Project Number: DUPONT/25545, 1952. Unpublished study prepared by Pyxant Labs, Inc. 118 p.

### **860.1380:Storage stability data**

48333628 Vogl, E. (2009) Freezer Storage Stability of DPX/KJM44, DPX-MAT28 and IN-LXT69 in Grass Forage and Grass Hay. Project Number: DUPONT/24605, 63357. Unpublished study prepared by ABC Laboratories, Inc. 134 p.

48333629 Vogl, E. (2010) Freezer Storage Stability of IN-QFH57 and IN-QGC48 in Grass Forage and Grass Hay. Project Number: DUPONT/27890, 64450. Unpublished study prepared by ABC Laboratories, Inc. 97 p.

### **860.1480 Meat/milk/poultry/eggs**

48363401 Roberts, S.; Ward, C. (2010) Magnitude of Residues of DPX-KJM44, DPX-MAT28 AND IN-LXT69 in Edible Tissues and Milk of Lactating Dairy Cows Following Dosing with DPX-KJM44. Project Number: 26273, 285753, 30179. Unpublished study prepared by Charles River Laboratories. 753 p.

### **860.1500:Crop field trials**

48333630 Shepard, E. (2010) Magnitude of DPX-KJM44, DPX-MAT28, and IN-LXT69 Residues in Pasture and Rangeland Grasses Following Applications of DPX-MAT28 Methyl Ester (DPX-KJM44) and DPX-MAT28 Formulations to Field Plots in the United States and Canada in 2008 and 2009. Project Number: DUPONT/24323, 63465. Unpublished study prepared by ABC Laboratories, Inc. 507 p.

### **860.1850:Confined accumulation in rotational crops**

48333619 MacDonald, A.; Hall, B. (2009) Confined Rotational Crop Study Using (Carbon 14) DPX-KJM44 (Methyl Ester of DPX-MAT28). Project Number: DUPONT/22559, 807922. Unpublished study prepared by Charles River Laboratories. 136 p.

### **870.1100:Acute oral toxicity**

**47559934** Carpenter, C. (2007) DPX-MAT28 Technical: Acute Oral Toxicity Study in Rats-Up-and-Down Procedure. Project Number: DUPONT/22371, 17181, 834. Unpublished study prepared by E.I. du Pont de Nemours and Company. 27 p.

47560027 Carpenter, C. (2007) DPX-KJM44 Technical: Acute Oral Toxicity Study in Rats-Up-and-Down Procedure. Project Number: DUPONT/22950, 17251, 834. Unpublished study prepared by E.I. du Pont de Nemours and Company. 28 p.

47560034 Carpenter, C. (2008) DPX-KJM44 80WG: Acute Oral Toxicity Study in Rate-Up-and-Down Procedure. Project Number: DUPONT/23033, 17548, 834. Unpublished study prepared by E.I. du Pont de Nemours and Company. 27 p.

**47560040** Carpenter, C. (2008) DPX-MAT28 240 g/L SL: Acute Oral Toxicity Study in Rats-Up-and-Down Procedure. Project Number: DUPONT/22787, 17549, 834. Unpublished study prepared by E.I. du Pont de Nemours and Company. 26 p.

**47560111** Moore, G. (2008) Aminocyclopyrachlor (DPX-MAT28) 50SG: Acute Oral Toxicity - Up-and-Down Procedure in Rats. Project Number: 25699, 25183, 17812. Unpublished study prepared by Eurofins/Product Safety Laboratories. 18 p.

**47560112** Moore, G. (2008) Aminocyclopyrachlor methyl (DPX-KJM44) 10TK Manufacturing Use Product: Acute Oral Toxicity - Up-and-Down Procedure in Rats. Project Number: 24511, 25264, 17799. Unpublished study prepared by Eurofins/Product Safety Laboratories. 18 p.

48218503 Durando, J. (2010) S-13744: Acute Oral Toxicity Up and Down Procedure in Rats. Project Number: 29734, P320/UDP. Unpublished study prepared by Eurofins/Product Safety Laboratories. 14 p.

48292903 Durando, J. (2010) S-14783: Acute Oral Toxicity Up and Down Procedure in Rats. Project Number: 30519, P320/UDP. Unpublished study prepared by Eurofins/Product Safety Laboratories. 14 p.

### **870.1200:Acute dermal toxicity**

**47559935** Carpenter, C. (2007) DPX-MAT28 Technical: Acute Dermal Toxicity Study in Rats. Project Number: DUPONT/22370, 17181, 673. Unpublished study prepared by E.I. du Pont de Nemours and Company. 32 p.

47560028 Carpenter, C. (2007) DPX-KJM44 Technical: Acute Dermal Toxicity Study in Rats. Project Number: DUPONT/22951, 17251, 673. Unpublished study prepared by E.I. du Pont de Nemours and Company. 29 p.

47560035 Carpenter, C. (2008) DPX-KJM44 80WG: Acute Dermal Toxicity Study in Rats. Project Number: DUPONT23032, 17548, 673. Unpublished study prepared by E.I. du Pont de Nemours and Company. 31 p.

**47560101** Carpenter, C. (2008) DPX-MAT28 240 g/L SL: Acute Dermal Toxicity Study in Rats. Project Number: 23692, 17549, 673. Unpublished study prepared by DuPont Haskell Laboratory. 31 p.

**47560106 Moore, G. (2008) Aminocyclopyrachlor (DPX-MAT28) 50SG: Acute Dermal Toxicity in Rats. Project Number: 25700, 25184, 17812. Unpublished study prepared by Eurofins/Product Safety Laboratories. 18 p.**

**47560113 Moore, G. (2008) Aminocyclopyrachlor methyl (DPX-KJM44) 10TK Manufacturing Use Product: Acute Dermal Toxicity in Rats. Project Number: 24510, 25265, 17799. Unpublished study prepared by Eurofins/Product Safety Laboratories. 18 p.**

48218504 Durando, J. (2010) S-13744: Acute Dermal Toxicity Study in Rats. Project Number: 29735, P322/RAT. Unpublished study prepared by Eurofins/Product Safety Laboratories. 14 p.

48292904 Durando, J. (2010) S-14783: Acute Dermal Toxicity Study in Rats. Project Number: 30520, P322/RAT. Unpublished study prepared by Eurofins/Product Safety Laboratories. 14 p.

### **870.1300:Acute inhalation toxicity**

**47560001 Anand, S. (2007) DPX-MAT28 Technical: Inhalation Median Lethal Concentration (LC50) Study in Rats. Project Number: 22373. Unpublished study prepared by E.I. du Pont de Nemours and Company. 42 p.**

47560029 O'Neal, F. (2008) DPX-KJM44 Technical: Acute Inhalation Toxicology Test Waiver. Project Number: DUPONT/26475. Unpublished study prepared by DuPont Crop Protection. 11 p.

47560036 O'Neal, F. (2008) DPX-KJM44 80WG: Acute Inhalation Toxicology Test Waiver. Project Number: DUPONT/26473. Unpublished study prepared by DuPont Crop Protection. 12 p.

**47560102 Weinberg, J. (2008) Acute Inhalation Toxicity Study of DPX-MAT28 21.9SL in Albino Rats: Final Report. Project Number: 22791, 17549, 721. Unpublished study prepared by WIL Research Laboratories, Inc. 89 p.**

**47560107 O'Neal, F. (2008) DPX-MAT28 50SG: Acute Inhalation Toxicology Test Waiver. Project Number: 26474. Unpublished study prepared by DuPont Haskell Laboratory. 10 p.**

**47560114 O'Neal, F. (2008) DPX-KJM44 10 MUP: Acute Inhalation Toxicology Waiver for DPX-KJM44 Manufacturing Use Product. Project Number: 24835. Unpublished study prepared by DuPont Haskell Laboratory. 11 p.**

48218505 Durando, J. (2010) S-13744: Acute Inhalation Toxicity Study in Rats. Project Number: P330, 29736. Unpublished study prepared by Eurofins/Product Safety Laboratories. 22 p.

48292905 Durando, J. (2010) S-14783: Acute Inhalation Toxicity Study in Rats. Project Number: P330, 30521. Unpublished study prepared by Eurofins/Product Safety Laboratories. 22 p.

48316905 Durando, J. (2010) S-15199: Acute Inhalation Toxicity Study in Rats. Project Number: P330, 30584. Unpublished study prepared by Eurofins/Product Safety Laboratories. 22 p.

48333604 Durando, J. (2009) Aminocyclopyrachlor (DPX-MAT28) 50SG: Acute Inhalation Toxicity (in Rats). Project Number: DUPONT/26285, 27236, 17812. Unpublished study prepared by Eurofins/Product Safety Laboratories. 26 p.

## **870.2400:Acute eye irritation**

**47560002 Carpenter, C. (2007) DPX-MAT28 Technical: Acute Eye Irritation Study in Rabbits. Project Number: 22372. Unpublished study prepared by E.I. du Pont de Nemours and Company. 21 p.**

47560030 Carpenter, C. (2007) DPX-KJM44 Technical: Acute Eye Irritation Study in Rabbits. Project Number: DUPONT/23435, 602, 17251. Unpublished study prepared by E.I. du Pont de Nemours and Company. 21 p. ]

47560037 Carpenter, C. (2008) DPX-KJM44 80WG: Acute Eye Irritation Study in Rabbits. Project Number: DUPONT/23034, 17548, 602. Unpublished study prepared by E.I. du Pont de Nemours and Company. 22 p.

**47560103 Carpenter, C. (2008) DPX-MAT28 240 g/L SL: Acute Eye Irritation Study in Rabbits. Project Number: 22789, 17549, 602. Unpublished study prepared by DuPont Haskell Laboratory. 23 p.**

**47560108 Moore, G. (2008) Aminocyclopyrachlor (DPX-MAT28) 50SG: Primary Eye Irritation in Rabbits. Project Number: 25701, 25185, 17812. Unpublished study prepared by Eurofins/Product Safety Laboratories. 21 p.**

**47560115 Moore, G. (2008) Aminocyclopyrachlor methyl (DPX-KJM44) 10TK Manufacturing Use Product: Primary Eye Irritation in Rabbits. Project Number: 24508, 25266, 17799. Unpublished study prepared by Eurofins/Product Safety Laboratories. 19 p.**

47560241 Moore, G. (2008) S-13834: Primary Eye Irritation Study in Rabbits. Project Number: P324, 25921. Unpublished study prepared by Eurofins/Product Safety Laboratories. 15 p.

48037605 Oley, S. (2009) Aminocyclopyrachlor (DPX-MAT28) 0.05GR: Primary Eye Irritation in Rabbits. Project Number: DUPONT/28479, 27637, 18459. Unpublished study prepared by Eurofins/Product Safety Laboratories. 21 p.

48066604 Moore, G. (2008) Aminocyclopyrachlor Methyl (DPX-KJM44) 0.06GR: Primary Eye Irritation in Rabbits. Project Number: P324/DUP, 25824. Unpublished study prepared by Eurofins/Product Safety Laboratories. 21 p.

48218205 Oley, S. (2009) S-14252: Primary Eye Irritation Study in Rabbits. Project Number: 27971, P324. Unpublished study prepared by Eurofins/Product Safety Laboratories. 14 p.

48218506 Durando, J. (2010) S-13744: Primary Eye Irritation Study in Rabbits. Project Number: P324, 29737. Unpublished study prepared by Eurofins/Product Safety Laboratories. 15 p.

48224005 Durando, J. (2010) Primary Eye Irritation Study in Rabbits: S-15034. Project Number: 30005, P324. Unpublished study prepared by Eurofins/Product Safety Laboratories. 14 p.

48224006 Durando, J. (2010) Primary Eye Irritation Study in Rabbits: S-15004. Project Number: 30004, P324. Unpublished study prepared by Eurofins/Product Safety Laboratories. 17 p.

48292906 Durando, J. (2010) S-14783: Primary Eye Irritation Study in Rabbits. Project Number: 30522, P324. Unpublished study prepared by Eurofins/Product Safety Laboratories. 14 p.

48316906 Durando, J. (2010) S-15199: Primary Eye Irritation Study in Rabbits. Project Number: 30585, P324. Unpublished study prepared by Eurofins/Product Safety Laboratories. 17 p.

### **870.2500:Acute dermal irritation**

**47560003 Carpenter, C. (2007) DPX-MAT28 Technical: Acute Dermal Irritation Study in Rabbits. Project Number: 22369. Unpublished study prepared by E.I. du Pont de Nemours and Company. 22 p.**

47560031 Carpenter, C. (2007) DPX-KJM44 Technical: Acute Dermal Irritation Study in Rabbits. Project Number: DUPONT/22952, 17251, 1008. Unpublished study prepared by E.I. du Pont de Nemours and Company. 22 p.

47560038 Carpenter, C. (2008) DPX-KJM44 80WG: Acute Dermal Irritation Study in Rabbits. Project Number: DUPONT/23031, 17548, 1008. Unpublished study prepared by E.I. du Pont de Nemours and Company. 23 p.

**47560104 Carpenter, C. (2008) DPX-MAT28 240g/L SL: Acute Dermal Irritation Study in Rabbits. Project Number: 23693, 17549, 1008. Unpublished study prepared by DuPont Haskell Laboratory. 24 p.**

**47560109 Moore, G. (2008) Aminocyclopyrachlor (DPX-MAT28) 50SG: Primary Skin Irritation in Rabbits. Project Number: 25702, 25186, 17812. Unpublished study prepared by Eurofins/Product Safety Laboratories. 20 p.**

**47560116 Moore, G. (2008) Aminocyclopyrachlor methyl ester (DPX-KJM44) 10TK Manufacturing Use Product: Primary Skin Irritation in Rabbits. Project Number: 24509, 25267, 17799. Unpublished study prepared by Eurofins/Product Safety Laboratories. 20 p.**

48218507 Durando, J. (2010) S-13744: Primary Skin Irritation Study in Rabbits. Project Number: 29738, P326. Unpublished study prepared by Eurofins/Product Safety Laboratories. 15 p.

48292907 Durando, J. (2010) S-14783: Primary Skin Irritation Study in Rabbits. Project Number: 30523, P326. Unpublished study prepared by Eurofins/Product Safety Laboratories. 14 p.

48316907 Lowe, C. (2010) S-15199: Primary Skin Irritation Study in Rabbits. Project Number: 30586, P326. Unpublished study prepared by Eurofins/Product Safety Laboratories. 15 p.

### **870.2600:Skin sensitization**

**47560004 Carpenter, C. (2007) DPX-MAT28 Technical: Local Lymph Node Assay (LLNA) in Mice. Project Number: 22374. Unpublished study prepared by E.I. du Pont de Nemours and Company. 36 p.**

47560032 Carpenter, C. (2008) DPX-KJM44 Technical: Local Lymph Node Assay (LLNA) in Mice. Project Number: DUPONT/23436, 17251, 1234. Unpublished study prepared by E.I. du Pont de Nemours and Company. 36 p.

47560039 Hoban, D. (2008) DPX-KJM44 80WG: Local Lymph Node Assay (LLNA) in Mice. Project Number: DUPONT/23035, 17548, 1234. Unpublished study prepared by E.I. du Pont de Nemours and Company. 37 p.

**47560105 Carpenter, C. (2008) DPX-MAT28 240 g/L SL: Local Lymph Node Assay (LLNA) in Mice. Project Number: 22788, 17549, 1234. Unpublished study prepared by DuPont Haskell Laboratory. 37 p.**

**47560110 Carpenter, C. (2008) Aminocyclopyrachlor (DPX-MAT28) 50SG: Local Lymph Node Assay (LLNA) in Mice. Project Number: 25703, 17812, 1234. Unpublished study prepared by DuPont Haskell Laboratory. 40 p.**

**47560117 Hoban, D. (2008) Aminocyclopyrachlor Methyl (DPX-KJM44) 10TK Manufacturing Use Product: Local Lymph Node Assay (LLNA) in Mice. Project Number: 24507, 17799, 1234. Unpublished study prepared by E.I. du Pont de Nemours and Company. 37 p.**

48218508 Durando, J. (2010) S-13744: Dermal Sensitization Study in Guinea Pigs (Buehler Method). Project Number: P328, 29739. Unpublished study prepared by Eurofins/Product Safety Laboratories. 24 p.

48292908 Durando, J. (2010) S-14783: Dermal Sensitization Study in Guinea Pigs (Buehler Method). Project Number: 30524, P328. Unpublished study prepared by Eurofins/Product Safety Laboratories. 23 p.

48316908 Lowe, C. (2010) S-15199: Dermal Sensitization Study in Guinea Pigs (Buehler Method). Project Number: P328, 30587. Unpublished study prepared by Eurofins/Product Safety Laboratories. 24 p.

### **870.3100:90-Day oral toxicity in rodents**

**47560007 Anand, S. (2008) DPX-MAT28 Technical: Subchronic Toxicity 90 Day Feeding Study in Rats. Project Number: 21490. Unpublished study prepared by E.I. du Pont de Nemours and Company. 30 p.**

47560008 Anand, S. (2008) DPX-KJM44 Technical: Subchronic Toxicity 90-Day Feeding Study in Rats. Project Number: 22570. Unpublished study prepared by E.I. du Pont de Nemours and Company, Critical Path Services, LLC, and Histo Techniques, Ltd. 438 p.

47560009 Anand, S. (2007) DPX-KJM44 Technical: Subchronic Toxicity 90-Day Feeding Study in Rats. Project Number: 21491. Unpublished study prepared by E.I. du Pont de Nemours and Company. 30 p.

**47560010 Anand, S. (2008) DPX-MAT28 Technical: Subchronic Toxicity 90-Day Feeding Study in Mice. Project Number: 21491. Unpublished study prepared by E.I. du Pont de Nemours and Company. 403 p.**

**47560011 Anand, S. (2008) DPX-MAT28 Technical: Subchronic Toxicity 90 Day Feeding Study in Mice. Project Number: 21491. Unpublished study prepared by E.I. du Pont de Nemours and Company. 26 p.**

**47573403 Anand, S. (2008) DPX-MAT28 Technical: Subchronic Toxicity: 90-Day Feeding Study in Rats. Project Number: DUPONT/21490, 17053, 1026. Unpublished study prepared by E.I. du Pont de Nemours and Company. 583 p.**

47725701 O'Neal, F. (2009) Aminocyclopyrachlor (DPX-MAT28) Technical Registration: Waiver Request for the 90Day Dermal Toxicity Study. Project Number: DUPONT/27949. Unpublished study prepared by DuPont Crop Protection. 10 p.

### **870.3150:90-day oral toxicity in nonrodents**

**47560012 Lockett, E. (2008) DPX-MAT28 Technical: Subchronic Toxicity 90-Day Feeding Study in Dogs: Revised Final Report. Project Number: DUPONT/21489, 125/068. Unpublished study prepared by MPI Research, Inc. 841 p.**

**47560013 Lockett, E.; Mawn, M. (2008) DPX-MAT28 Technical: Subchronic Toxicity 90 Day Feeding Study in Dogs. Project Number: DUPONT/21489, 125/068. Unpublished study prepared by E.I. du Pont de Nemours and Company. 27 p.**

### **870.3200:21/28-day dermal toxicity**

**47560014 Merkel, D. (2008) DPX-MAT28 Technical: Dermal Toxicity Study (28 Day Repeat Dermal Application Study in Rats). Project Number: DUPONT/22796, 22352. Unpublished study prepared by Eurofins/Product Safety Laboratories, E.I. du Pont de Nemours and Company and Charles River Breeding Laboratories, Inc. 207 p.**

47725701 O'Neal, F. (2009) Aminocyclopyrachlor (DPX-MAT28) Technical Registration: Waiver Request for the 90Day Dermal Toxicity Study. Project Number: DUPONT/27949. Unpublished study prepared by DuPont Crop Protection. 10 p.

### **870.3250:90-day dermal toxicity**

47725701 O'Neal, F. (2009) Aminocyclopyrachlor (DPX-MAT28) Technical Registration: Waiver Request for the 90Day Dermal Toxicity Study. Project Number: DUPONT/27949. Unpublished study prepared by DuPont Crop Protection. 10 p.

### **870.3465:90-day inhalation toxicity**

48333605 O'Neal, F. (2010) Aminocyclopyrachlor (DPX-MAT28) Technical Registration: Waiver Request for the Multiple-Exposure Inhalation Toxicity Study. Project Number: DUPONT/27948. Unpublished study prepared by DuPont Crop Protection. 11 p.

### **870.3700:Prenatal developmental toxicity study**

**47560015 Fleeman, T. (2008) A Prenatal Development Toxicity Study of DPX-MAT28 in Rabbits: Revision 2 Final Report. Project Number: WIL/189193, DUPONT/22377. Unpublished study prepared by WIL Research Laboratories, Inc. 690 p.**

47560016 Lewis, J. (2008) DPX-MAT28 Technical: Developmental Toxicity Study in Rats. Project Number: DUPONT/22378, 07/CPS/032. Unpublished study prepared by E.I. du Pont de Nemours and Company and Critical Path Services, LLC. 372 p.

### **870.3800:Reproduction and fertility effects**

47560018 Lewis, J. (2006) IN-KJM44: One-Generation Reproduction Study in Rats. Project Number: DUPONT/17315. Unpublished study prepared by E.I. du Pont de Nemours and Company. 741 p.

**47575101 Lewis, J. (2008) DPX-MAT28 Technical: Multi-Generation Reproduction Study in Rats. Project Number: 17123, 904, DUPONT/22032. Unpublished study prepared by E.I. du Pont de Nemours and Company. 1642 p.**

**870.4100:Chronic toxicity**

48333608 Han, S. (2010) DPX-MAT28 Technical: Chronic Oral Toxicity One-Year Feeding Study in Beagle Dogs. Project Number: IG07380, 17550, DUPONT/23985. Unpublished study prepared by Korea Institute of Toxicology. 932 p.

**870.4200 Carcinogenicity**

48333606 Huh, J. (2010) DPX-MAT28 Technical: Oncogenicity 18-Month Feeding Study in Mice. Project Number: IG07280, 17287, 1028. Unpublished study prepared by Korea Institute of Toxicology. 2917 p.

**870.4300:Combined chronic toxicity/carcinogenicity**

48333607 Moon, K. (2010) DPX-MAT28 Technical: Combined Chronic Toxicity/Oncogenicity 2-Year Feeding Study in Rats. Project Number: IG07281, 17287, 1238. Unpublished study prepared by Korea Institute of Toxicology. 4621 p.

**870.5100:Bacterial reverse mutation test**

**47560019 Wagner, V.; VanDyke, M. (2008) DPX-MAT28 Technical: Bacterial Reverse Mutation Assay. Project Number: AC02HJ/503/BTL, 17293, H/27937. Unpublished study prepared by Bioreliance and DuPont Haskell Laboratory. 73 p.**

47560033 Ford, L. (2005) IN-KJM44: Bacterial Reverse Mutation Test. Project Number: DUPONT/17971, 15744, 502. Unpublished study prepared by E.I. du Pont de Nemours and Company. 33 p.

**870.5300:In vitro mammalian cell gene mutation test**

**47560020 Clarke, J. (2007) DPX-MAT28 Technical: In vitro Mammalian Cell Gene Mutation Test (CHO/HGPRT Assay). Project Number: AC02HJ/782/BTL, 17293, 515. Unpublished study prepared by Bioreliance and DuPont Haskell Laboratory. 48 p.**

**870.5375:In vitro mammalian chromosome aberration test**

**47560021 Gudi, R.; Rao, M. (2007) DPX-MAT28 Technical: In vitro Mammalian Chromosome Aberration Test in Human Peripheral Blood Lymphocytes. Project Number: AC02HJ/341/BTL, DUPONT/22709, 17293. Unpublished study prepared by Bioreliance. 58 p.**

**870.5395:Mammalian erythrocyte micronucleus test**

**47560022 Krsmanovic, L.; Huston, T. (2007) DPX-MAT28 Technical: Mouse Bone Marrow Erythrocyte Micronucleus Test: Final Report. Project Number: AC02HJ/123/BTL, 17293, 572. Unpublished study prepared by DuPont Haskell Laboratory and Bioreliance. 57 p.**

**870.6200:Neurotoxicity screening battery**

47560005 O'Neal, F. (2008) DPX-MAT28 Technical: Acute Neurotoxicity Test Waiver. Project Number: 26828. Unpublished study prepared by DuPont Crop Protection. 11 p.

47573403 Anand, S. (2008) DPX-MAT28 Technical: Subchronic Toxicity: 90-Day Feeding Study in Rats. Project Number: DUPONT/21490, 17053, 1026. Unpublished study prepared by E.I. du Pont de Nemours and Company. 583 p.

47725701 O'Neal, F. (2009) Aminocyclopyrachlor (DPX-MAT28) Technical Registration: Waiver Request for the 90Day Dermal Toxicity Study. Project Number: DUPONT/27949. Unpublished study prepared by DuPont Crop Protection. 10 p.

**47725702 Barnett, J. (2009) Oral (Gavage) Acute Neurotoxicity Study of DPX-MAT28-009 in Rats. Project Number: AUV00038, DUPONT/22792, WR/17270/SC/1261. Unpublished study prepared by Charles River Laboratories. 530 p.**

### **870.7485:Metabolism and pharmacokinetics**

**47560023 Himmelstein, M. (2008) [Carbon 14]-DPX-MAT28: Plasma Pharmacokinetics and Pilot Material Balance in Male and Female Rats. Project Number: DUPONT/22033, 17124, 1017. Unpublished study prepared by E.I. du Pont de Nemours and Company. 91 p.**

47560024 Himmelstein, M. (2008) [carbon 14]-DPX-KJM44: Plasma Pharmacokinetics and Pilot Material Balance in Male and Female Rats. Project Number: DUPONT/22375, 17271, 1017. Unpublished study prepared by E.I. du Pont de Nemours and Company. 90 p.

48333609 Himmelstein, M. (2010) (Carbon 14)-Aminocyclopyrachlor Methyl (DPX-KJM44): Absorption, Distribution, Metabolism, and Elimination in the Sprague-Dawley Rat. Project Number: DUPONT/27902, 18268, 1017. Unpublished study prepared by DuPont Crop Protection. 100 p.

48333610 Himmelstein, M. (2010) (Carbon 14)-Aminocyclopyrachlor (DPX-MAT28): Absorption, Distribution, Metabolism, and Elimination in the Sprague-Dawley Rat. Project Number: DUPONT/27389, 18144, 1017. Unpublished study prepared by DuPont Crop Protection. 216 p.

### **870.7800 Immunotoxicity**

**47560025 Hoban, D. (2008) DPX-MAT28 Technical: 28-Day Immunotoxicity Feeding Study in Male Rats . Project Number: DUPONT/22794, 17286, 1545. Unpublished study prepared by E.I. du Pont de Nemours and Company, Critical Path Services, LLC, and ImmunoTox, Inc. 93 p.**

**47560026 Hoban, D. (2008) DPX-MAT28 Technical: 28-Day Immunotoxicity Feeding Study in Male Mice. Project Number: DUPONT/22795, 17286, 1546. Unpublished study prepared by E.I. du Pont de Nemours and Bibliography Company, Critical Path Services, LLC, and ImmunoTox, Inc. 99 p.**

### **875.2000:Background for post application exposure monitoring test guidelines**

47560209 Shepard, E. (2008) Dissipation of Turf Transferable Residues of DPX-KJM44 and DPX-MAT28 Following a Single Application of DPX-KJM44 80WG to Turf. Project Number: DUPONT/22432, 62810. Unpublished study prepared by ABC Laboratories, Inc. 153 p.

### **875.2100:Foliar dislodgeable residue dissipation**

47560209 Shepard, E. (2008) Dissipation of Turf Transferable Residues of DPX-KJM44 and DPX-MAT28 Following a Single Application of DPX-KJM44 80WG to Turf. Project Number: DUPONT/22432, 62810. Unpublished study prepared by ABC Laboratories, Inc. 153 p.

### **850.7100:Data reporting for environmental chemistry methods**

47560226 Devine, T.; Henze, R.; Nanita, S. (2008) Analytical Method for the Determination of DPX-KJM44, DPX-MAT28, and Metabolite in Soil Using LC/MS/MS. Project Number: DUPONT/22043. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 55 p.

47560227 Devine, T.; Henze, R.; Nanita, S.; et al. (2008) Analytical Method for the Determination of DPX-KJM44, DPX-MAT28, IN-LXT69 and IN-QFH57 in Soil Using LC/MS/MS. Project Number: DUPONT/22043. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 32 p.

47560228 Grant, J.; Nanita, S. (2008) Analytical Method for the Determination and Monitoring of DPX-MAT28, DPX-KJM44, and IN-LXT69 in Soil Using LX/MS/MS. Project Number: DUPONT/24809, ABC/63910, DUPONT/22435. Unpublished study prepared by ABC Laboratories, Inc. 57 p.

47560229 Devine, T.; Henze, R.; Nanita, S. (2008) Analytical Method for the Determination of DPX-KJM44, DPX-MAT28, and Metabolite in Turf Using LC/MS/MS. Project Number: DUPONT/22584. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 45 p.

47560230 Pentz, A.; Nanita, S. (2008) Analytical Method for the Determination of DPX-KJM44, DPX-MAT28, IN-LXT69, and IN-QFH57 in Water Using LC/MS/MS. Project Number: DUPONT/22042. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 78 p.

47560231 Grant, J.; Nanita, S. (2008) Bridging of Extraction Efficiency of DPX-KJM44 (Methyl Ester of DPX-MAT28) and Degradation Products from Extraction Procedures Described in DuPont-22043 and DuPont22435. Project Number: DUPONT/22583, 63201, DUPONT/22435. Unpublished study prepared by ABC Laboratories, Inc. 63 p.

47560233 Kinney, J. (2008) Independent Laboratory Validation of Analytical Method DuPont-22043 for the Determination of DPX-KJM44, DPX-MAT28, IN-LXT69 and IN-QFH57 in Soil Using LC-MS/MS. Project Number: DUPONT/24563, 213825. Unpublished study prepared by Charles River Laboratories . 53 p.

48333616 Rockwell, D. (2010) Independent Laboratory Validation of Analytical Method DuPont-22042, "Analytical Method for the Determination of DPX-KJM44, DPX-MAT28, IN-LXT69, and IN-QFH57 in Water Using LC/MS/MS". Project Number: DUPONT/24562, 2010. Unpublished study prepared by Pyxant Labs, Inc. 65p.

48333616 Rockwell, D. (2010) Independent Laboratory Validation of Analytical Method DuPont-22042, "Analytical Method for the Determination of DPX-KJM44, DPX-MAT28, IN-LXT69, and IN-QFH57 in Water Using LC/MS/MS". Project Number: DUPONT/24562, 2010. Unpublished study prepared by Pyxant Labs, Inc. 65 p.

### **Non-Guideline Study**

47559800 E. I. Du Pont De Nemours and Co., Inc. (2008) Submission of Product Chemistry Data in Support of the Applications for Registration of DuPont DPX-MAT28 Technical Herbicide, DPX-KJM44 Technical Herbicide, DPX-KJM44 80 MUP Herbicide, DPX-KJM44 80XP, DPX 240 SL, DPX-MAT 50SG, DPXQ2B37, DPX-Q2B38, DPX-Q2B39, DPX-QKJ02 Herbicide, DPX-KJM44 80XP, DPX-MAT28 240SL, DPX-MAT28 50SG Turf Herbicide, DPX-KJM44 10 percent, DPX-MAT28 10 percent Manufacturing Concentrate, DPX-KJM44 0.064, DPX-KJM44 0.53G, DPX-KJM44 0.073G Turf Herbicide + Fertilizer, DPX-KJM44 0.73G, DPX-KJM44 0.065G, DPX-KJM44 0.059G, DPX-KJM44 0.053G, DPX-KJM44 0.049G, DPX-KJM44 0.039G, DPX-KJM44 0.037G, DPX-KJM44 0.033G, DPX-KJM44 0.03G, DPX-KJM44 0.027G, DPX-KJM44 0.024G, DPX-KJM44 0.02G Lawn Herbicide + Fertilizer, DPX-MAT28 0.06G, DPX-MAT28 0.05G, DPX-MAT28 0.03G Turf Herbicide + Fertilizer and DPX-MAT28 0.068G Lawn Herbicide + Fertilizer. Transmittal of 34 of 177 Studies.

47559800 E. I. Du Pont De Nemours and Co., Inc. (2008) Submission of Product Chemistry Data in Support of the Applications for Registration of DuPont DPX-MAT28 Technical Herbicide, DPX-KJM44 Technical Herbicide, DPX-KJM44 80 MUP Herbicide, DPX-KJM44 80XP, DPX 240 SL, DPX-MAT 50SG, DPXQ2B37, DPX-Q2B38, DPX-Q2B39, DPX-QKJ02 Herbicide, DPX-KJM44 80XP, DPX-MAT28 240SL, DPX-MAT28 50SG Turf Herbicide, DPX-KJM44 10 percent, DPX-MAT28 10 percent Manufacturing Concentrate, DPX-KJM44 0.064, DPX-KJM44 0.53G, DPX-KJM44 0.073G Turf Herbicide + Fertilizer, DPX-KJM44 0.73G, DPX-KJM44 0.065G, DPX-KJM44 0.059G, DPX-KJM44 0.053G, DPX-KJM44 0.049G, DPX-KJM44 0.039G, DPX-KJM44 0.037G, DPX-KJM44 0.033G, DPX-KJM44 0.03G, DPXKJM44 0.027G, DPX-KJM44 0.024G, DPX-KJM44 0.02G Lawn Herbicide + Fertilizer, DPX-MAT28 0.06G, DPX-MAT28 0.05G, DPX-MAT28 0.03G Turf Herbicide + Fertilizer and DPX-MAT28 0.068G Lawn Herbicide + Fertilizer. Transmittal of 34 of 177 Studies.

47559811 Gravell, R.; Hirata, C. (2007) DPX-MAT28: Laboratory Study of Explosive and Oxidizing Properties, Flammability of Solids and the Relative Self-Ignition (Autoflammability) Temperature. Project Number: DUPONT/22807. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 14 p.

47559819 Tunink, A. (2007) DPX-MAT28 (PAI): Spectra (Mass Spectrum, Infrared Spectrum, and NMR). Project Number: DUPONT/22540, 62819. Unpublished study prepared by ABC Laboratories, Inc. and Spectral Data Services, Inc. 24 p.

47559820 Hirata, C. (2008) DPX-MAT28: Volatility, Calculation of Henry's Law Constant. Project Number: DUPONT/22545/EU. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 8 p.

47559831 Gravell, R.; Hirata, C. (2007) DPX-KJM44: Laboratory Study of Explosive and Oxidizing Properties, Flammability of Solids and the Relative Self-Ignition (Autoflammability) Temperature. Project Number: DUPONT/22806. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 14 p.

47559900 E. I. Du Pont De Nemours and Co., Inc. (2008) Submission of Product Chemistry Data in Support of the Applications for Registration of DuPont DPX-MAT28 Technical Herbicide, DPX-KJM44 Technical Herbicide, DPX-KJM44 80 MUP Herbicide, DPX-KJM44 80XP, DPX 240 SL, DPX-MAT 50SG, DPXQ2B37, DPX-Q2B38, DPX-Q2B39, DPX-QKJ02 Herbicide, DPX-KJM44 80XP, DPX-MAT28 240SL, DPX-MAT28 50SG Turf Herbicide, DPX-KJM44 10 percent, DPX-MAT28 10 percent Manufacturing Concentrate, DPX-KJM44 0.064, DPX-KJM44 0.53G, DPX-KJM44 0.073G Turf Herbicide + Fertilizer, DPX-KJM44 0.73G, DPX-KJM44 0.065G, DPX-KJM44 0.059G, DPX-KJM44 0.053G, DPX-KJM44 0.049G, DPX-KJM44 0.039G, DPX-KJM44 0.037G, DPX-KJM44 0.033G, DPX-KJM44 0.03G, DPXKJM44 0.027G, DPX-KJM44 0.024G, DPX-KJM44 0.02G Lawn Herbicide + Fertilizer, DPX-MAT28 0.06G, DPX-MAT28 0.05G, DPX-MAT28 0.03G Turf Herbicide + Fertilizer and DPX-MAT28 0.068G Lawn Herbicide + Fertilizer. Transmittal of 34 of 177 Studies.

47559900 E. I. Du Pont De Nemours and Co., Inc. (2008) Submission of Product Chemistry Data in Support of the Applications for Registration of DuPont DPX-MAT28 Technical Herbicide, DPX-KJM44 Technical Herbicide, DPX-KJM44 80 MUP Herbicide, DPX-KJM44 80XP, DPX 240 SL, DPX-MAT 50SG, DPXQ2B37, DPX-Q2B38, DPX-Q2B39, DPX-QKJ02 Herbicide, DPX-KJM44 80XP, DPX-MAT28 240SL, DPX-MAT28 50SG Turf Herbicide, DPX-KJM44 10 percent, DPX-MAT28 10 percent Manufacturing Concentrate, DPX-KJM44 0.064, DPX-KJM44 0.53G, DPX-KJM44 0.073G Turf Herbicide + Fertilizer, DPX-KJM44 0.73G, DPX-KJM44 0.065G, DPX-KJM44 0.059G, DPX-KJM44 0.053G, DPX-KJM44 0.049G, DPX-KJM44 0.039G, DPX-KJM44 0.037G, DPX-KJM44 0.033G, DPX-KJM44 0.03G, DPXKJM44 0.027G, DPX-KJM44 0.024G, DPX-KJM44 0.02G Lawn Herbicide + Fertilizer, DPX-MAT28 0.06G, DPX-MAT28 0.05G, DPX-MAT28 0.03G Turf Herbicide + Fertilizer and DPX-MAT28 0.068G Lawn Herbicide + Fertilizer. Transmittal of 34 of 177 Studies.

47560000 E. I. Du Pont De Nemours and Co., Inc. (2008) Submission of Product Chemistry Data in Support of the Applications for Registration of DuPont DPX-MAT28 Technical Herbicide, DPX-KJM44 Technical Herbicide, DPX-KJM44 80 MUP Herbicide, DPX-KJM44 80XP, DPX 240 SL, DPX-MAT 50SG, DPXQ2B37, DPX-Q2B38, DPX-Q2B39, DPX-QKJ02 Herbicide, DPX-KJM44 80XP, DPX-MAT28 240SL, DPX-MAT28 50SG Turf Herbicide, DPX-KJM44 10 percent, DPX-MAT28 10 percent Manufacturing Concentrate, DPX-KJM44 0.064, DPX-KJM44 0.53G, DPX-KJM44 0.073G Turf Herbicide + Fertilizer, DPX-KJM44 0.73G, DPX-KJM44 0.065G, DPX-KJM44 0.059G, DPX-KJM44 0.053G, DPX-KJM44 0.049G, DPX-KJM44 0.039G, DPX-KJM44 0.037G, DPX-KJM44 0.033G, DPX-KJM44 0.03G, DPXKJM44 0.027G, DPX-KJM44 0.024G, DPX-KJM44 0.02G Lawn Herbicide + Fertilizer, DPX-MAT28 0.06G, DPX-MAT28 0.05G, DPX-MAT28 0.03G Turf Herbicide + Fertilizer and DPX-MAT28 0.068G Lawn Herbicide + Fertilizer. Transmittal of 38 of 177 Studies.

47560000 E. I. Du Pont De Nemours and Co., Inc. (2008) Submission of Product Chemistry Data in Support of the Applications for Registration of DuPont DPX-MAT28 Technical Herbicide, DPX-KJM44 Technical Herbicide, DPX-KJM44 80 MUP Herbicide, DPX-KJM44 80XP, DPX 240 SL, DPX-MAT 50SG, DPXQ2B37, DPX-Q2B38, DPX-Q2B39, DPX-QKJ02 Herbicide, DPX-KJM44 80XP, DPX-MAT28 240SL, DPX-MAT28 50SG Turf Herbicide, DPX-KJM44 10 percent, DPX-MAT28 10 percent Manufacturing Concentrate, DPX-KJM44 0.064, DPX-KJM44 0.53G, DPX-KJM44 0.073G Turf Herbicide + Fertilizer, DPX-KJM44 0.73G, DPX-KJM44 0.065G, DPX-KJM44 0.059G, DPX-KJM44 0.053G, DPX-KJM44 0.049G, DPX-KJM44 0.039G, DPX-KJM44 0.037G, DPX-KJM44 0.033G, DPX-KJM44 0.03G, DPXKJM44 0.027G, DPX-KJM44 0.024G, DPX-KJM44 0.02G Lawn Herbicide + Fertilizer, DPX-MAT28 0.06G, DPX-MAT28 0.05G, DPX-MAT28 0.03G Turf Herbicide + Fertilizer and DPX-MAT28 0.068G Lawn Herbicide + Fertilizer. Transmittal of 38 of 177 Studies.

47560100 E. I. Du Pont De Nemours and Co., Inc. (2008) Submission of Product Chemistry Data in Support of the Applications for Registration of DuPont DPX-MAT28 Technical Herbicide, DPX-KJM44 Technical Herbicide, DPX-KJM44 80 MUP Herbicide, DPX-KJM44 80XP, DPX 240 SL, DPX-MAT 50SG, DPXQ2B37, DPX-Q2B38, DPX-Q2B39, DPX-QKJ02 Herbicide, DPX-KJM44 80XP, DPX-MAT28 240SL, DPX-MAT28 50SG Turf Herbicide, DPX-KJM44 10 percent, DPX-MAT28 10 percent Manufacturing Concentrate, DPX-KJM44 0.064, DPX-KJM44 0.53G, DPX-KJM44 0.073G Turf Herbicide + Fertilizer, DPX-KJM44 0.73G, DPX-KJM44 0.065G, DPX-KJM44 0.059G, DPX-KJM44 0.053G, DPX-KJM44 0.049G, DPX-KJM44 0.039G, DPX-KJM44 0.037G, DPX-KJM44 0.033G, DPX-KJM44 0.03G, DPXKJM44 0.027G, DPX-KJM44 0.024G, DPX-KJM44 0.02G Lawn Herbicide + Fertilizer, DPX-MAT28 0.06G, DPX-MAT28 0.05G, DPX-MAT28 0.03G Turf Herbicide + Fertilizer and DPX-MAT28 0.068G Lawn Herbicide + Fertilizer. Transmittal of 34 of 177 Studies.

47560100 E. I. Du Pont De Nemours and Co., Inc. (2008) Submission of Product Chemistry Data in Support of the Applications for Registration of DuPont DPX-MAT28 Technical Herbicide, DPX-KJM44 Technical Herbicide, DPX-KJM44 80 MUP Herbicide, DPX-KJM44 80XP, DPX 240 SL, DPX-MAT 50SG, DPXQ2B37, DPX-Q2B38, DPX-Q2B39, DPX-QKJ02 Herbicide, DPX-KJM44 80XP, DPX-MAT28 240SL, DPX-MAT28 50SG Turf Herbicide, DPX-KJM44 10 percent, DPX-MAT28 10 percent Manufacturing Concentrate, DPX-KJM44 0.064, DPX-KJM44 0.53G, DPX-KJM44 0.073G Turf Herbicide + Fertilizer, DPX-KJM44 0.73G, DPX-KJM44 0.065G, DPX-KJM44 0.059G, DPX-KJM44 0.053G, DPX-KJM44 0.049G, DPX-KJM44 0.039G, DPX-KJM44 0.037G, DPX-KJM44 0.033G, DPX-KJM44 0.03G, DPXKJM44 0.027G, DPX-KJM44 0.024G, DPX-KJM44 0.02G Lawn Herbicide + Fertilizer, DPX-MAT28 0.06G, DPX-MAT28 0.05G, DPX-MAT28 0.03G Turf Herbicide + Fertilizer and DPX-MAT28 0.068G Lawn Herbicide + Fertilizer. Transmittal of 34 of 177 Studies.

**47560131 Warmers, C. (2007) DPX-MAT28 Technical: Acute Oral and Contact Toxicity to the Honey Bee, Apis mellifera L. Project Number: 20071090/01/BLEU, 22413, 17163. Unpublished study prepared by Eurofins GAB GmbH. 34 p.**

47560200 E. I. Du Pont De Nemours and Co., Inc. (2008) Submission of Product Chemistry Data in Support of the Applications for Registration of DuPont DPX-MAT28 Technical Herbicide, DPX-KJM44 Technical Herbicide, DPX-KJM44 80 MUP Herbicide, DPX-KJM44 80XP, DPX 240 SL, DPX-MAT 50SG, DPXQ2B37, DPX-Q2B38, DPX-Q2B39, DPX-QKJ02 Herbicide, DPX-KJM44 80XP, DPX-MAT28 240SL, DPX-MAT28 50SG Turf Herbicide, DPX-KJM44 10 percent, DPX-MAT28 10 percent Manufacturing Concentrate, DPX-KJM44 0.064, DPX-KJM44 0.53G, DPX-KJM44 0.073G Turf Herbicide + Fertilizer, DPX-KJM44 0.73G, DPX-KJM44 0.065G, DPX-KJM44 0.059G, DPX-KJM44 0.053G, DPX-KJM44 0.049G, DPX-KJM44 0.039G, DPX-KJM44 0.037G, DPX-KJM44 0.033G, DPX-KJM44 0.03G, DPXKJM44 0.027G, DPX-KJM44 0.024G, DPX-KJM44 0.02G Lawn Herbicide + Fertilizer, DPX-MAT28 0.06G, DPX-MAT28 0.05G, DPX-MAT28 0.03G Turf Herbicide + Fertilizer and DPX-MAT28 0.068G Lawn Herbicide + Fertilizer. Transmittal of 37 of 177 Studies.

47560200 E. I. Du Pont De Nemours and Co., Inc. (2008) Submission of Product Chemistry Data in Support of the Applications for Registration of DuPont DPX-MAT28 Technical Herbicide, DPX-KJM44 Technical Herbicide, DPX-KJM44 80 MUP Herbicide, DPX-KJM44 80XP, DPX 240 SL, DPX-MAT 50SG, DPXQ2B37, DPX-Q2B38, DPX-Q2B39, DPX-QKJ02 Herbicide, DPX-KJM44 80XP, DPX-MAT28 240SL, DPX-MAT28 50SG Turf Herbicide, DPX-KJM44 10 percent, DPX-MAT28 10 percent Manufacturing Concentrate, DPX-KJM44 0.064, DPX-KJM44 0.53G, DPX-KJM44 0.073G Turf Herbicide + Fertilizer, DPX-KJM44 0.73G, DPX-KJM44 0.065G, DPX-KJM44 0.059G, DPX-KJM44 0.053G, DPX-KJM44 0.049G, DPX-KJM44 0.039G, DPX-KJM44 0.037G, DPX-KJM44 0.033G, DPX-KJM44 0.03G, DPXKJM44 0.027G, DPX-KJM44 0.024G, DPX-KJM44 0.02G Lawn Herbicide + Fertilizer, DPX-MAT28 0.06G, DPX-MAT28 0.05G, DPX-MAT28 0.03G Turf Herbicide + Fertilizer and DPX-MAT28 0.068G Lawn Herbicide + Fertilizer. Transmittal of 37 of 177 Studies.

47560211 Lowrie, C. (2008) Photodegradation of [Pyrimidine-2-(Carbon 14)]DPX-MAT28 in pH 4 Buffer and Natural Water by Simulated Sunlight: Final Report. Project Number: 212706, DUPONT/22117. Unpublished study prepared by Charles River Laboratories. 88 p.

47560221 Manjunatha, S. (2008) Rate of Degradation of [Carbon 14]-DPX-MAT28 in Three Aerobic Soils. Project Number: DUPONT/22119, G4823, D01/08/EFATE. Unpublished study prepared by Advinus Therapeutics Private Limited. 91 p.

47560235 Nixon, W.; Kendall, T. (2008) Analytical Method Verification and Determination of the Solubility and Stability of DPX-MAT28 in Freshwater, Saltwater and 20XAAP Media. Project Number: DUPONT/22601, 17163, 298. Unpublished study prepared by Wildlife International, Ltd. 68 p.

47573400 E.I. DuPont de Nemours and Company (2008) Submission of Product Chemistry and Toxicity Data in Support of the Applications for Registration of DuPont DPX- MAT28 Technical, KJM44 Technical, KJM44 80 MUP, KJM44 80XP, MAT28 24SL , MAT28 50SG, Q2B37, Q2B38, Q2B39, QKJ02, KJM44 80XP Turf, MAT28 2400SL Turf, MAT28 50SG Turf, KJM44 10% Manufacturing Concentrate, MAT28 10% Manufacturing Concentrate, KJM44 0.064G Turf, KJM44 0.053G Turf, KJM44 0.032G Turf, KJM44 0.073G Lawn, KJM44 0.065G Lawn, KJM44 0.059G Lawn, KJM44 0.053G Lawn, KJM44 0.049G Lawn, KJM44 0.039G, KJM44 0.037G Lawn, KJM44 0.033G Lawn, KJM44 0.03G Lawn, KJM44 0.027G Lawn, KJM44 0.024G Lawn, KJM44 0.02G Lawn, MAT28 0.06G Turf, MAT28 0.05G Turf, MAT28 0.03G Turf and MAT28 0.068G Lawn Herbicide. Transmittal of 4 Studies.

47573400 E.I. DuPont de Nemours and Company (2008) Submission of Product Chemistry and Toxicity Data in Support of the Applications for Registration of DuPont DPX- MAT28 Technical, KJM44 Technical, KJM44 80 MUP, KJM44 80XP, MAT28 24SL , MAT28 50SG, Q2B37, Q2B38, Q2B39, QKJ02, KJM44 80XP Turf, MAT28 2400SL Turf, MAT28 50SG Turf, KJM44 10% Manufacturing Concentrate, MAT28 10% Manufacturing Concentrate, KJM44 0.064G Turf, KJM44 0.053G Turf, KJM44 0.032G Turf, KJM44 0.073G Lawn, KJM44 0.065G Lawn, KJM44 0.059G Lawn, KJM44 0.053G Lawn, KJM44 0.049G Lawn, KJM44 0.039G, KJM44 0.037G Lawn, KJM44 0.033G Lawn, KJM44 0.03G Lawn, KJM44 0.027G Lawn, KJM44 0.024G Lawn, KJM44 0.02G Lawn, MAT28 0.06G Turf, MAT28 0.05G Turf, MAT28 0.03G Turf and MAT28 0.068G Lawn Herbicide. Transmittal of 4 Studies.

47575100 E.I. DuPont de Nemours and Company (2008) Submission of Toxicity and Environmental Fate Data in Support of the Applications for Registration of DuPont DPX - MAT28 Technical, KJM44 Technical, KJM44 80 MUP, KJM44 80XP, MAT28 24OSL, MAT28 50SG, Q2B37, Q2B38, Q2B39, QKJ02, KJM44 80XP Turf, MAT28 240SL Turf, MAT28 50SG Turf, KJM44 10% Manufacturing Concentrate, MAT28 10% Manufacturing Concentrate, KJM44 0.064G, KJM44 0.053G, KJM44 0.032G, KJM44 0.072G, KJM44 0.065G, KJM44 0.059G, KJM44 0.053G, KJM44 0.049G, KJM44 0.039, KJM44 0.037G, KJM44 0.033G, KJM44 0.03G, KJM44 0.027G, KJM44 0.024G, KJM44 0.02G, MAT28 0.06G, MAT28 0.05G , MAT28 0.03G, MAT28 0.068G Herbicide. Transmittal of 2 Studies.

47575100 E.I. DuPont de Nemours and Company (2008) Submission of Toxicity and Environmental Fate Data in Support of the Applications for Registration of DuPont DPX - MAT28 Technical, KJM44 Technical, KJM44 80 MUP, KJM44 80XP, MAT28 24OSL, MAT28 50SG, Q2B37, Q2B38, Q2B39, QKJ02, KJM44 80XP Turf, MAT28 240SL Turf, MAT28 50SG Turf, KJM44 10% Manufacturing Concentrate, MAT28 10% Manufacturing Concentrate, KJM44 0.064G, KJM44 0.053G, KJM44 0.032G, KJM44 0.072G, KJM44 0.065G, KJM44 0.059G, KJM44 0.053G, KJM44 0.049G, KJM44 0.039, KJM44 0.037G, KJM44 0.033G, KJM44 0.03G, KJM44 0.027G, KJM44 0.024G, KJM44 0.02G, MAT28 0.06G, MAT28 0.05G , MAT28 0.03G, MAT28 0.068G Herbicide. Transmittal of 2 Studies.

47725700 E.I. du Pont de Nemours and Co., Inc. (2009) Submission of Toxicity Data in Support of the Applications for Registration of DuPont DPX-MAT28 Technical, DPX-KJM44 Technical, DPX-KJM44 80 MUP, DPXKJM44 80XP, DPX-MAT28 240SL, DPX-MAT28 50SG, DPX-Q2B37, DPX-Q2B39, DPX-QKJ02, DPXKJM44 80XP Turf, DPX-MAT28 240SL Turf, DPX-MAT28 50SG Turf, DPX-KJM44 10%, DPX-MAT28 10%, DPX-KJM440.064G, DPX-KJM44 0.064G, DPX-KJM44 0.053G, DPX-KJM44 0.032G, DPXKJM44 0.073G, DPX-KJM44 0.065G, DPX-KJM44 0.059G, DPX-KJM44 0.053, DPX-KJM44 0.049G, DPX-KJM44 0.039G, DPX-KJM44 0.037G, DPX-KJM44 0.033G, DPX-KJM44 0.03G, DPX-KJM44 0.027G, DPX-KJM44 0.024, DPX-KJM44 0.02G, DPX-MAT28 0.06G, DPX-MAT280.05G, DPX-MAT28 0.03G and DPX-MAT28 0.068 Herbicide. Transmittal of 2 Studies.

47725700 E.I. du Pont de Nemours and Co., Inc. (2009) Submission of Toxicity Data in Support of the Applications for Registration of DuPont DPX-MAT28 Technical, DPX-KJM44 Technical, DPX-KJM44 80 MUP, DPXKJM44 80XP, DPX-MAT28 240SL, DPX-MAT28 50SG, DPX-Q2B37, DPX-Q2B39, DPX-QKJ02, DPXKJM44 80XP Turf, DPX-MAT28 240SL Turf, DPX-MAT28 50SG Turf, DPX-KJM44 10%, DPX-MAT28 10%, DPX-KJM440.064G, DPX-KJM44 0.064G, DPX-KJM44 0.053G, DPX-KJM44 0.032G, DPXKJM44 0.073G, DPX-KJM44 0.065G, DPX-KJM44 0.059G, DPX-KJM44 0.053, DPX-KJM44 0.049G, DPX-KJM44 0.039G, DPX-KJM44 0.037G, DPX-KJM44 0.033G, DPX-KJM44 0.03G, DPX-KJM44 0.027G, DPX-KJM44 0.024, DPX-KJM44 0.02G, DPX-MAT28 0.06G, DPX-MAT280.05G, DPX-MAT28 0.03G and DPX-MAT28 0.068 Herbicide. Transmittal of 2 Studies.

47781600 E. I. Du Pont De Nemours and Co., Inc (2009) Submission of Product Chemistry Data in Support of the Applications for Registration of DuPont Plainview Herbicide, DuPont Viewpoint Herbicide, DuPont Streamline Herbicide and DuPont Perspective Herbicide. Transmittal of 12 Studies.

47835700 E. I. du Pont de Nemours and Company (2009) Submission of Environmental Fate Data in Support of the Applications for Registration of DPX-MAT28 Technical Herbicide, DPX-KJM44 Technical Herbicide, DPX-KJM44 80 MUP, DPX-KJM44 80XP, DPX-MAT28 240SL, DPX-MAT28 50SG, DPX-Q2B37, DPX-Q2B38, DPX-Q2B39, DPX-QKJ02, DPX-KJM44 80XP Turf, DPX-MAT28 240SL Turf, DPX-MAT28 50SG Turf, DPX-KJM44 10%, DPX-MAT28 10%, DPX-KJM44 0.064G, DPX-KJM44 0.053G, DPX-KJM44 0.032G, DPX-KJM44 0.073G, DPX-KJM44 0.065G, DPX-KJM44 0.059G, DPX-KJM44 0.053G Lawn, DPX-KJM44 0.049G, DPX-KJM44 0.037G, DPX-KJM44 0.039G, DPX-KJM44 0.033G, DPX-KJM44 0.03G, DPX-KJM44 0.027G, DPX-KJM44 0.024G, DPX-KJM44 0.02G, DPX-MAT28 0.06G, DPX-MAT28 0.05G, DPX-MAT28 0.03G and DPX-MAT28 0.068G. Transmittal of 1 Study.

47835700 E. I. du Pont de Nemours and Company (2009) Submission of Environmental Fate Data in Support of the Applications for Registration of DPX-MAT28 Technical Herbicide, DPX-KJM44 Technical Herbicide, DPX-KJM44 80 MUP, DPX-KJM44 80XP, DPX-MAT28 240SL, DPX-MAT28 50SG, DPX-Q2B37, DPX-Q2B38, DPX-Q2B39, DPX-QKJ02, DPX-KJM44 80XP Turf, DPX-MAT28 240SL Turf, DPX-MAT28 50SG Turf, DPX-KJM44 10%, DPX-MAT28 10%, DPX-KJM44 0.064G, DPX-KJM44 0.053G, DPX-KJM44 0.032G, DPX-KJM44 0.073G, DPX-KJM44 0.065G, DPX-KJM44 0.059G, DPX-KJM44 0.053G Lawn, DPX-KJM44 0.049G, DPX-KJM44 0.037G, DPX-KJM44 0.039G, DPX-KJM44 0.033G, DPX-KJM44 0.03G, DPX-KJM44 0.027G, DPX-KJM44 0.024G, DPX-KJM44 0.02G, DPX-MAT28 0.06G, DPX-MAT28 0.05G, DPX-MAT28 0.03G and DPX-MAT28 0.068G. Transmittal of 1 Study.

47890900 E.I. du Pont de Nemours and Company (2009) Submission of Product Chemistry Data in Support of the Application for Registration of DPX-MAT28 240SL Herbicide. Transmittal of 1 Study.

47898500 E.I. Du Pont de Nemours and Company, Inc. (2009) Submission of Exposure and Risk Data in Support of the Registration of DPX-MAT28 Technical, DPX-KJM44 Technical, DPX-KJM44 80 MUP, DPX-KJM44 80XP, DPX-MAT28 240SL, DPX-MAT28 50SG, DPX-Q2B37, DPX-Q2B38, DPX-Q2B39, DPX-QKJ02, DPX-KJM44 80XP Turf, DPX-MAT28 240SL Turf, DPX-MAT28 50SG Turf, DPX-KJM44 10%, DPX-MAT28 10%, DPX-KJM44 0.064G Turf, DPX-KJM44 0.053G, DPX-KJM44 0.032G, DPX-KJM44 0.073G Lawn, DPX-KJM44 0.065G Lawn, DPX-KJM44 0.059G Lawn, DPX-KJM44 0.053G Lawn, DPX-KJM44 0.049G lawn, DPX-KJM44 0.039G Lawn, DPX-KJM44 0.037G Lawn, DPX-KJM44 0.033G lawn, DPX-KJM44 0.03G Lawn, DPX-KJM44 0.027G Lawn, DPX-KJM44 0.024G Lawn, DPX-KJM44 0.02G Lawn, DPX-MAT28 0.06G Turf, DPX-MAT28 0.05G Turf, DPX-MAT28 0.03G Turf and DPX-MAT28 0.068G Lawn. Transmittal of 1 Study.

47898501 O'Neal F.; Snyder, N.; Hirata, C. (2009) IN-V0977: Exposure and Risk Assessments of Photolytic Decomposition Product of Aminocyclopyrachlor (DPX-MAT28). Project Number: DUPONT/29367. Unpublished study prepared by E.I. Du Pont de Nemours and Company. 41 p.

47933000 E.I. du Pont de Nemours and Company, Inc. (2009) Submission of Product Chemistry Data in Support of the Application for Registration of DPX-MAT28 10% Manufacturing Product. Transmittal of 1 Study.

47933100 E.I. du Pont de Nemours and Co., Inc. (2009) Submission of Product Chemistry Data in Support of the Application for Registration of DPX-KJM44 10% Manufacturing Use Product. Transmittal of 1 Study.

47962000 E. I. du Pont de Nemours and Company (2010) Submission of Product Chemistry Data in Support of the Applications for Registration of DPX-MAT28 50SG Herbicide, DPX-MAT28 50SG Turf Herbicide, DPXMAT28 240SL Herbicide, and DPX-MAT28 240SL Turf Herbicide. Transmittal of 2 Studies.

47962000 E. I. du Pont de Nemours and Company (2010) Submission of Product Chemistry Data in Support of the Applications for Registration of DPX-MAT28 50SG Herbicide, DPX-MAT28 50SG Turf Herbicide, DPXMAT28 240SL Herbicide, and DPX-MAT28 240SL Turf Herbicide. Transmittal of 2 Studies.

48037600 E.I. du Pont de Nemours and Co., Inc. (2010) Submission of Product Chemistry and Toxicity Data in Support of the Applications for Registration of DPX-MAT28 0.05G Turf Herbicide + Fertilizer, DPXKJMM44 10% Manufacturing Concentrate, DPX-MAT28 0.06G Turf Herbicide + Fertilizer, DPX-MAT28 0.03G Turf Herbicide + Fertilizer, and DPX-MAT28 0.068G Lawn Herbicide + Fertilizer. Transmittal of 6 Studies.

48037601 Gravell, R.; Hirata, C. (2009) Aminocyclopyrachlor (DPX-MAT28) 10.4% MUP: Laboratory Study of Explosive and Oxidizing Properties, Flammability of Solids and the Relative Self-Ignition (Autoflammability) Temperature. Project Number: DUPONT/27960. Unpublished study prepared by DuPont Crop Protection. 17 p.

48066600 E.I. Du Pont De Nemours and Company (2010) Submission of Product Chemistry and Toxicity Data in Support of the Amended Registration of DPX-KJM44 0.064G Turf Herbicide + Fertilizer, DPX-KJM44 0.053G Turf Herbicide + Fertilizer, DPX-KJM44 0.032G Turf Herbicide + Fertilizer, DPX-KJM44 0.073G Lawn Herbicide + Fertilizer, DPX-KJM 0.053G Lawn Herbicide + Fertilizer, DPX-KJM44 0.049G Lawn Herbicide + Fertilizer, DPX-KJM 0.033G Lawn Herbicide + Fertilizer, DPX-KJM44 0.02G Lawn Herbicide + Fertilizer, DPX-MAT28 0.06G Turf Herbicide + Fertilizer, DPX-MAT28 0.05G Turf Herbicide + Fertilizer, DPX-MAT 0.03G Turf Herbicide + Fertilizer, and DPX-MAT 0.068G Lawn Herbicide + Fertilizer. Transmittal of 4 Studies.

48070800 E.I. du Pont de Nemours and Company, Inc. (2010) Submission of Public Interest, Environmental Fate and Toxicity Data in Support of the Registration of Aminocyclopyrachlor and Aminocyclopyrachlor Methyl. Transmittal of 1 Study.

48070800 E.I. du Pont de Nemours and Company, Inc. (2010) Submission of Public Interest, Environmental Fate and Toxicity Data in Support of the Registration of Aminocyclopyrachlor and Aminocyclopyrachlor Methyl. Transmittal of 1 Study.

48070801 Ashley, R. (2010) Public Interest Document for Aminocyclopyrachlor and Aminocyclopyrachlor Methyl. 102 p.

48070801 Ashley, R. (2010) Public Interest Document for Aminocyclopyrachlor and Aminocyclopyrachlor Methyl. 102 p.

48077800 E. I. du Pont de Nemours and Company (2010) Submission of Toxicity Data in Support of the FIFRA 6(a)(2) Data Requirements for DuPont DPX-MAT28 50SG Herbicide and DuPont DPX-MAT28 Technical. Transmittal of 2 Studies.

48102400 E.I. du Pont de Nemours and Co., Inc. (2010) Submission of Product Chemistry Data in Support of the Applications for Registration of DuPont DPX-KJM44 0.064G Turf Herbicide + Fertilizer, DuPont DPXKJM44 0.073G Lawn Herbicide + Fertilizer, DuPont DPX-KJM44 0.053G Lawn Herbicide + Fertilizer, DuPont DPX-KJM44 0.049G Lawn Herbicide + Fertilizer, DuPont DPX-KJM44 0.033G Lawn Herbicide + Fertilizer, DuPont DPX-KJM44 0.02G Lawn Herbicide + Fertilizer, DuPont DPX-MAT28 0.05G Turf Herbicide + Fertilizer, DuPont DPX-MAT28 0.03G Turf Herbicide + Fertilizer, and DuPont DPX-MAT28 0.068G Lawn Herbicide + Fertilizer. Transmittal of 1 Study.

48116300 DuPont Crop Protection (2010) Submission of Product Chemistry Data in Support of the Application for Registration of Aminocyclopyrachlor Methyl. Transmittal of 1 Study.

48116300 DuPont Crop Protection (2010) Submission of Product Chemistry Data in Support of the Application for Registration of Aminocyclopyrachlor Methyl. Transmittal of 1 Study.

48218000 The Scotts Company (2010) Submission of Product Chemistry Data in Support of the Application for Registration of Ortho MAT28N RTU. Transmittal of 2 Studies.

48218200 The Scotts Company (2010) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Ortho MAT28S RTU. Transmittal of 5 Studies.

48218500 The Scotts Company (2010) Submission of Product Chemistry, Toxicity and Efficacy Data in Support of the Application for Registration of Ortho MAT28NS CONC. Transmittal of 14 Studies.

48224000 The Scotts Company, LLC (2010) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Scotts 65 MAT Weed & Feed. Transmittal of 6 Studies.

48224100 The Scotts Company (2010) Submission of Product Chemistry and Efficacy Data in Support of the Application for Registration of Scotts 18 MAT Weed & Feed. Transmittal of 5 Studies.

48225300 The Scotts Company, LLC (2010) Submission of Product Chemistry Data in Support of the Application for Registration of Scotts 55 MAT Weed & Feed. Transmittal of 5 Studies.

48225400 The Scotts Company, LLC (2010) Submission of Product Chemistry Data in Support of the Application for Registration of Scotts 60 MAT Weed & Feed. Transmittal of 4 Studies.

48235800 E.I. du Pont de Nemours and Co., Inc. (2010) Submission of Product Chemistry Data in Support of the Amended Registration of Aminocyclopyrachlor Technical. Transmittal of 5 Studies.

48245100 E.I. du Pont de Nemours and Company (2010) Submission of Product Chemistry Data in Support of the Application for Registration of DuPont Viewpoint Herbicide. Transmittal of 1 Study.

48245200 E.I. DuPont de Nemours and Company (2010) Submission of Product Chemistry Data in Support of the Application for Registration of DuPont Perspective Herbicide. Transmittal of 1 Study.

48245300 E.I. DuPont de Nemours and Company (2010) Submission of Product Chemistry Data in Support of the Application for Registration of DuPont Plainview Herbicide. Transmittal of 1 Study.

48245400 E.I. du Pont de Nemours and Company (2010) Submission of Product Chemistry Data in Support of the Application for Registration of DuPont Streamline Herbicide. Transmittal of 1 Study.

48292900 The Scotts Company (2010) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Ortho MAT28N Combo RTU. Transmittal of 8 Studies.

48316900 The Scotts Company (2010) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Ortho MAT28N Combo Concentrate. Transmittal of 8 Studies.

48333600 E.I. du Pont de Nemours and Company (2010) Submission of Product Chemistry, Toxicity, Environmental Fate, Fate in Animals, and Residue Data in Support of the Amended Registrations of DuPont Aminocyclopyrachlor Technical, DuPont Aminocyclopyrachlor Methyl Technical, DuPont Method 50SG Herbicide, DuPont Method 240SL Herbicide, and DuPont DPX-KJM44 80XP Herbicide, the Applications for Registration of DuPont Perspective R & P Herbicide and DuPont DPX-RDQ98 Herbicide, and the Petition for Tolerance of Aminocyclopyrachlor for Use on Grasses and Related Commodities. Transmittal of 32 Studies.

48333600 E.I. du Pont de Nemours and Company (2010) Submission of Product Chemistry, Toxicity, Environmental Fate, Fate in Animals, and Residue Data in Support of the Amended Registrations of DuPont Aminocyclopyrachlor Technical, DuPont Aminocyclopyrachlor Methyl Technical, DuPont Method 50SG Herbicide, DuPont Method 240SL Herbicide, and DuPont DPX-KJM44 80XP Herbicide, the Applications for Registration of DuPont Perspective R & P Herbicide and DuPont DPX-RDQ98 Herbicide, and the Petition for Tolerance of Aminocyclopyrachlor for Use on Grasses and Related Commodities. Transmittal of 32 Studies.

48363400 E.I. duPont de Nemours and Company (2011) Submission of Residue Data in Support of the Applications for Registration of DuPont Perspective R&P Herbicide and DuPont DPX-RDQ09 Herbicide and the Petition for Tolerance of Aminocyclopyrachlor for Use on Grasses and Related Commodities. Transmittal of 1 Study.

48372400 E.I. Du Pont De Nemours and Co., Inc (2011) Submission of Product Chemistry Data in Support of the Registrations of DuPont Aminocyclopyrachlor Technical, DuPont Aminocyclopyrachlor Methyl Technical, DuPont DPX-MAT28 10% Manufacturing Concentrate, DuPont DPX-KJM44 80WG Herbicide, DuPont DPX-KJM44 80WG Turf Herbicide, DuPont DPX-KJM44 80WG MUP Herbicide, DuPont Method 50SG Herbicide, DuPont DPX-MAT28 50SG Turf Herbicide, DuPont Method 240SL Herbicide, DuPont Imprelis Herbicide, DuPont DPX-KJM44 0.064G Turf Herbicide + Fertilizer and DuPont DPX-MAT28 0.05G Turf Herbicide Plus Fertilizer. Transmittal of 8 Studies.

48372400 E.I. Du Pont De Nemours and Co., Inc (2011) Submission of Product Chemistry Data in Support of the Registrations of DuPont Aminocyclopyrachlor Technical, DuPont Aminocyclopyrachlor Methyl Technical, DuPont DPX-MAT28 10% Manufacturing Concentrate, DuPont DPX-KJM44 80WG Herbicide, DuPont DPX-KJM44 80WG Turf Herbicide, DuPont DPX-KJM44 80WG MUP Herbicide, DuPont Method 50SG Herbicide, DuPont DPX-MAT28 50SG Turf Herbicide, DuPont Method 240SL Herbicide, DuPont Imprelis Herbicide, DuPont DPX-KJM44 0.064G Turf Herbicide + Fertilizer and DuPont DPX-MAT28 0.05G Turf Herbicide Plus Fertilizer. Transmittal of 8 Studies.

48372400 E.I. Du Pont De Nemours and Co., Inc (2011) Submission of Product Chemistry Data in Support of the Registrations of DuPont Aminocyclopyrachlor Technical, DuPont Aminocyclopyrachlor Methyl Technical, DuPont DPX-MAT28 10% Manufacturing Concentrate, DuPont DPX-KJM44 80WG Herbicide, DuPont DPX-KJM44 80WG Turf Herbicide, DuPont DPX-KJM44 80WG MUP Herbicide, DuPont Method 50SG Herbicide, DuPont DPX-MAT28 50SG Turf Herbicide, DuPont Method 240SL Herbicide, DuPont Imprelis Herbicide, DuPont DPX-KJM44 0.064G Turf Herbicide + Fertilizer and DuPont DPX-MAT28 0.05G Turf Herbicide Plus Fertilizer. Transmittal of 8 Studies.

48429600 E. I. DuPont de Nemours and Co., Inc. (2011) Submission of Product Chemistry Data in Support of the Registration of DPX-KJM44 10% Manufacturing Concentrate. Transmittal of 1 Study.

48477600 The Scotts Company (2011) Submission of Product Chemistry Data in Support of the Registration of Ortho MAT28S RTU. Transmittal of 1 Study.

48482600 E.I. du Pont de Nemours and Co., Inc. (2011) Submission of Environmental Fate Data in Support of the FIFRA 6(a)(2) Data Requirements for DuPont Aminocyclopyrachlor Technical. Transmittal of 1 Study.

48482601 Changxing, W. (2009) Eco-Toxicity Determination and Environmental Safety Assessment of 90.5% DPXMAT28 Technical. Project Number: DUPONT/HD0909250041140. Unpublished study prepared by E.I. du Pont de Nemours Co., Inc. (S300/419). 17 p.

48576200 E. I. Du Pont de Nemours and Company, Inc. (2011) Submission of Toxicity Data in Support of the Registration of DuPont Aminocyclopyrachlor Technical. Transmittal of 1 Study.

48578400 E. I. du Pont de Nemours and Company, Inc. (2011) Submission of Product Chemistry Data in Support of the Registration of DuPont Aminocyclopyrachlor Technical. Transmittal of 1 Study.

48581801 Robson, D., Nanita, S. (2011) Results of High-Performance Liquid Chromatography (HPLC) Qualitative Analysis of DuPont Imprelis Samples Retained from Commercial Production Lots Manufactured at Helena Industries, Inc. Between October 14, 2010 and June 22, 2011. Project number: DUPONT/33598. Unpublished study prepared by DuPont Crop Protection

48583200 E. I. du Pont de Nemours and Company (2011) Submission of Product Chemistry Data in Support of the Registration of DuPont Viewpoint Herbicide. Transmittal of 1 Study.

48583300 E. I. du Pont de Nemours and Company (2011) Submission of Product Chemistry Data in Support of the Registration of DuPont Perspective Herbicide. Transmittal of 1 Study.

48583400 E.I. du Pont de Nemours and Co., Inc. (2011) Submission of Product Chemistry Data in Support of the Registration of DuPont Streamline Herbicide. Transmittal of 1 Study.

48603100 E. I. du Pont de Nemours and Company, Inc. (2011) Submission of Product Chemistry Data in Support of the Registration of DuPont Imprelis Herbicide. Transmittal of 1 Study.

48603101 Robson, D.; Nanita, S. (2011) Results of High-performance Liquid Chromatography (HPLC) Qualitative Analysis of DuPont Imprelis Samples Retained from Commercial Production Lots Manufactured at Helena Industries, Inc. Between October 14, 2010 and June 22, 2011. Project Number: DUPONT/33598. Unpublished study prepared by E.I. du Pont de Nemours and Company. 97p.

48606900 E.I. du Pont de Nemours and Co., Inc. (2011) Submission of Safety Data in Support of the Reduced Risk Rationale of Aminocyclopyrachlor. Transmittal of 1 Study.

48606901 Ashley, R.; Daniels, C.; Tinsworth, R. (2011) Reduced Risk Rationale for the Use of Aminocyclopyrachlor in Vegetation Management, Rangeland and Pasture, and Turf. Project Number: DUPONT/32127. Unpublished study prepared by E. I. du Pont de Nemours and Co., Inc. (S300/419) and Exponent, Inc. 405p.

48654200 E.I. du Pont de Nemours and Co., Inc. (2011) Submission of Residue Data in Support of the Applications for Registration of DuPont Rejuvra Herbicide and DuPont Perspective R&P Herbicide and the Amended Registrations of DuPont Aminocyclopyrachlor Technical, DuPont Aminocyclopyrachlor Methyl Technical, DuPont DPX-KJM44 80XP Herbicide, DuPont Method 240SL Herbicide and DuPont Method 50SG Herbicide. Transmittal of 1 Study.

48663300 The Scotts Company (2011) Submission of Efficacy Data in Support of the Registrations of Ortho Mat28S RTU, Ortho MAT28N RTU, Ortho MAT28NS Conc, Ortho MAT28N Combo RTU, Ortho MAT28N Combo Concentrate, Scotts 18 MAT Weed & Feed, Scotts 65 MAT Weed & Feed, Scotts 55 MAT Weed & Feed and Scotts 60 MAT Weed & Feed. Transmittal of 8 Studies.

48719300 The Scotts Company (2012) Submission of Efficacy Data in Support of the Registrations of Ortho MAT28S RTU, Ortho MAT28N RTU, Ortho MAT28NS CONC, Scotts 18 MAT Weed & Feed, Scotts 65 MAT Weed & Feed, Scotts 55 MAT Weed & Feed and Scotts 60 MAT Weed & Feed. Transmittal of 1 Study.

48720200 E.I. du Pont de Nemours and Co., Inc. (2012) Submission of Product Chemistry Data in Support of the Registrations of DuPont Aminocyclopyrachlor Technical, DuPont Aminocyclopyrachlor Methyl Technical, DuPont DPX-MAT28 10% Manufacturing Concentrate, DuPont DPX-KJM44 80WG Herbicide, DuPont DPX-KJM44 80WG Turf Herbicide, DuPont DPX-KJM44 80WG MUP Herbicide, DuPont Method 50SG Herbicide, DuPont DPX-MAT28 50SG Turf Herbicide, DuPont Method 240SL Herbicide, DuPont Imprelis Herbicide, DuPont DPX-KJM44 0.064G Turf Herbicide Plus Fertilizer and DuPont DPX-MAT28 0.05G Turf Herbicide Plus Fertilizer. Transmittal of 3 Studies.