



Evaluation of Wildland Fire Chemicals

STANDARD TEST PROCEDURES

STP 1.3 Mammalian Toxicity

Summary: To protect fire fighters and others who mix or handle fire management chemicals as well as the general public who may be exposed during fire management operations or clean up after a fire, acute toxicity and irritation tests are performed on all products prior to qualification and use.

A sample of the product that was submitted to the Forest Service for qualification testing is sent to an approved testing lab. Results are sent back to the Forest Service.

The Project Leader for Fire Chemicals compiles the results and prepares a letter to the supplier showing the performance of the submitted product. Copies of the lab reports are also provided to the supplier.

Method:

1. All testing shall be performed in accordance with protocols of the U.S. Environmental Protection Agency (EPA), Office of Prevention, Pesticides, and Toxic Substances (OPPTS).
2. Laboratories performing the testing shall comply with the EPA established Good Laboratory Practices.

References:

U.S. Environmental Protection Agency, Office of Prevention, Pesticides, and Toxic Substances.

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|----------|---------------------------|
| 870.1100 | Acute Oral Toxicity |
| 870.1200 | Acute Dermal Toxicity |
| 870.2400 | Primary Eye Irritation |
| 870.2500 | Primary Dermal Irritation |

U.S. Environmental Protection Agency, Federal Insecticide, Fungicide, and Rodenticide Act. Good Laboratory Practices; 40 CFR 160

U.S. Environmental Protection Agency, Toxic Substances Control Act. Good Laboratory Practices, 40 CFR 792

APPENDIX A

Mammalian Toxicity Testing

Toxicity testing is contracted through Still Meadow Testing and logged using the CONTRACT LABS logbook.

Samples are submitted 1 quart each of mixed and concentrate using the labeling system of YY-HS-##.

YY for 2017 = 17

HS is the standard traceability

is numeric starting 01 at the beginning of each calendar year.

Samples are submitted for testing

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| 870.1100 | Acute Oral Toxicity performed on Rats |
| 870.1200 | Acute Dermal Toxicity performed on Rabbits |
| 870.2400 | Primary Eye Irritation performed on Rabbits |
| 870.2500 | Primary Dermal Irritation performed on Rabbits |