1. Product and Company Identification

Material name: CARRIER 038-A PL480
Version #: 03
Revision date: 03-02-2009
Chemical description: Aqueous Surfactant Mixture
CAS #: Mixture
SAP number: 500918
Manufacturer information: OMNOVA Solutions Inc.
1455 J.A. Cochran By-Pass
Chester, SC 29706 US
Fax 803-377-2219
General 803-385-5181
CHEMTREC 800-424-9300
CHEMTREC (outside US) 703-527-3887

2. Hazards Identification

Emergency overview: Health injuries are not known or expected under normal use.
OSHA regulatory status: This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

Potential health effects:
- Routes of exposure: Not applicable.
- Eyes: Health injuries are not known or expected under normal use.
- Skin: Health injuries are not known or expected under normal use.
- Inhalation: Health injuries are not known or expected under normal use.
- Ingestion: Health injuries are not known or expected under normal use.

3. Composition / Information on Ingredients

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

4. First Aid Measures

First aid procedures:
- Eye contact: Rinse with water. Get medical attention if irritation develops or persists.
- Skin contact: Get medical attention if irritation develops or persists. Rinse skin with water/shower.
- Inhalation: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
- Ingestion: Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

General advice: If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Flammable properties: Not flammable by OSHA criteria. Not combustible by OSHA criteria.

Protection of firefighters:
- Protective equipment and precautions for firefighters: Move containers from fire area if you can do it without risk. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.
- Specific methods: In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.
6. Accidental Release Measures

Personal precautions
Keep unnecessary personnel away.

Environmental precautions
Prevent further leakage or spillage if safe to do so.

Methods for containment
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Methods for cleaning up
Do not allow the spilled product to enter public drainage system or open water courses.

Large Spills: Dike far ahead of liquid spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. After removal flush contaminated area thoroughly with water.

Never return spills in original containers for re-use.

7. Handling and Storage

Handling
Do not handle or store near an open flame, heat or other sources of ignition. Handle and open container with care.

Storage
Keep away from heat, sparks, and flame. Use care in handling/storage.

8. Exposure Controls / Personal Protection

Personal protective equipment

Eye / face protection
Wear safety glasses; chemical goggles (if splashing is possible).

Skin protection
Wear suitable gloves.

Respiratory protection
No personal respiratory protective equipment normally required.

General hygene considerations
Handle in accordance with good industrial hygiene and safety practice. Eye wash fountain and emergency showers are recommended.

9. Physical & Chemical Properties

Appearance
Not available.

Color
Brown.

Odor
Mild. soapy

Odor threshold
Not available.

Physical state
Liquid.

Form
Liquid.

pH
6

Melting point
Not available.

Freezing point
32 °F (0 °C) Approximate

Boiling point
212 °F (100 °C) Approximate

Flash point
>= 212 °F (>= 100 °C)

Evaporation rate
Not available.

Flammability
Not available.

Flammability limits in air, upper, % by volume
Not available.

Flammability limits in air, lower, % by volume
Not available.

Vapor pressure
Approximately as water

Vapor density
Approximately as water

Specific gravity
1.15

Relative density
Not available.

Solubility (water)
Miscible/Dispersible
Partition coefficient (n-octanol/water) Not available.
Auto-ignition temperature Not available.
Decomposition temperature Not available.
VOC 7.4019 % estimated

10. Chemical Stability & Reactivity Information
Chemical stability Stable at normal conditions.
Conditions to avoid Heat, flames and sparks.
Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological Information

<table>
<thead>
<tr>
<th>Toxicological data</th>
<th>Product</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CARRIER 038-A BULK (Mixture)</td>
<td>Acute Oral LD50 Rabbit: 93223 mg/kg estimated</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute Oral LD50 Rat: 79893 mg/kg estimated</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

Chronic effects Not available.
Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Corrosivity Not available.
Epidemiology Not available.
Mutagenicity Not available.
Neurological effects Not available.
Reproductive effects Not available.
Teratogenicity Not available.
Further information This product has no known adverse effect on human health.

12. Ecological Information

<table>
<thead>
<tr>
<th>Ecotoxicological data</th>
<th>Product</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CARRIER 038-A BULK (Mixture)</td>
<td>EC50 Daphnia: 93192 mg/l 48.00 Hours estimated</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 Fish: 24743 mg/l 96.00 Hours estimated</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

Ecotoxicity This material is not expected to be harmful to aquatic life.
Environmental effects Ecological injuries are not known or expected under normal use. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Persistence and degradability Not available.

13. Disposal Considerations

Disposal instructions Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

14. Transport Information

DOT Not regulated as dangerous goods.
IATA Not regulated as dangerous goods.
Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations
This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

CERCLA (Superfund) reportable quantity
None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories**
- Immediate Hazard - No
- Delayed Hazard - No
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - No

**Section 302 extremely hazardous substance**
No

**Section 311 hazardous chemical**
No

Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>Compliant*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Chemical Substances (EINECS)</td>
<td>No</td>
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<tr>
<td>European</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
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<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
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</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

16. Other Information

**Further information**
HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**
- Health: 0
- Flammability: 1
- Physical hazard: 0

**NFPA ratings**
- Health: 0
- Flammability: 1
- Instability: 0

**Disclaimer**
The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Issue date**
03-02-2009

**This data sheet contains changes from the previous version in section(s):**
- Hazards Identification: Potential environmental effects
- Accidental Release Measures: Environmental precautions
- Accidental Release Measures: Methods for cleaning up
- Handling and Storage: Handling
- Physical & Chemical Properties: Physical & Chemical Properties
- Ecological Information: Ecotoxicity
- Regulatory Information: State regulations