1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name Glade Membrane

Other means of identification

Synonyms Scented Oil

Recommended use of the chemical and restrictions on use

Recommended Use Air freshener

Uses advised against No information available

Supplier's details

Supplier Address
Auto Expressions, LLC.
505 E. Euclid
Compton, CA 90224
USA
TEL: 877-572-2602/+1-310-639-0666

Emergency telephone number

Emergency Telephone Number 877-675-7226 or +1-303-389-1658

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious Eye Damage/Eye Irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Skin Sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 4</td>
</tr>
</tbody>
</table>

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word Warning

Hazard Statements
- Causes skin irritation
- Causes serious eye irritation
- May cause an allergic skin reaction
- Combustible liquid.
Precautionary Statements

Prevention
- Wash face, hands and any exposed skin thoroughly after handling
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace
- Keep away from heat/sparks/open flames/hot surfaces - No smoking
- Wear protective gloves/protective clothing/eye protection/face protection.

General Advice
- None

Eyes
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention.

Skin
- IF ON SKIN: Wash with plenty of soap and water
- Take off contaminated clothing and wash before reuse
- If skin irritation or rash occurs: Get medical advice/attention.

Fire
- In case of fire: Use CO2, dry chemical, or foam for extinction.

Storage
- Store in a well-ventilated place. Keep cool.

Disposal
- Dispose of contents/container to an approved waste disposal plant.

Hazard Not Otherwise Classified (HNOC)
Not applicable

Other information
Harmful to aquatic life Toxic to aquatic life with long lasting effects

0 % of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Trade secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lynalyl acetate (ex bois de rose, synthetic)</td>
<td>115-95-7</td>
<td>7.5-10</td>
<td>*</td>
</tr>
<tr>
<td>Cyclohexanol, 2-(1,1-dimethylethyl)-, acetate</td>
<td>88-41-5</td>
<td>2.5-7.5</td>
<td>*</td>
</tr>
<tr>
<td>Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate</td>
<td>32210-23-4</td>
<td>2.5-7.5</td>
<td>*</td>
</tr>
<tr>
<td>3.alpha.,4,5,6,7,7.alpha.-hexahydro-4,7-methanoind en-6-yl acetate</td>
<td>5413-60-5</td>
<td>2.5-7.5</td>
<td>*</td>
</tr>
</tbody>
</table>
**4. FIRST AID MEASURES**

**Description of necessary first-aid measures**

**Eye Contact**
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If irritation persists, call a physician.

**Skin Contact**
Wash off with warm water and soap. If skin irritation or rash occurs: Get medical advice/attention. Remove and wash contaminated clothing before re-use.

**Inhalation**
Move to fresh air.

**Ingestion**
Clean mouth with water and afterwards drink plenty of water.

**Most important symptoms/effects, acute and delayed**

Itching, Hives, Red eyes, Tearing, Irritation.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician**
Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**
Suitable Extinguishing Media
Use: Carbon dioxide (CO₂). Dry chemical. Foam.

Unsuitable Extinguishing Media
None

Specific Hazards Arising from the Chemical
Combustible Liquid.

Explosion Data
Sensitivity to Mechanical Impact
None.
Sensitivity to Static Discharge
None

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Personal precautions, protective equipment and emergency procedures

Personal Precautions
Ensure adequate ventilation. This material may burn, but will not ignite readily. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Environmental Precautions
Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. Collect spillage. See Section 12 for additional Ecological Information

Methods and materials for containment and cleaning up

Methods for Containment
Suppress vapors with water spray.

Methods for Cleaning Up
Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling
Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage
Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products
Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Appropriate engineering controls

Engineering Measures

Shower
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Tightly fitting safety goggles.

Skin and Body Protection
Wear protective gloves/clothing.

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures
Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
<th>Appearance</th>
<th>Varies</th>
<th>Odor</th>
<th>Varies</th>
<th>Odor Threshold</th>
<th>No information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property</td>
<td>Values</td>
<td>Remarks/Method</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
<td>None known</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No data available</td>
<td>None known</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>No data available</td>
<td>None known</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>71 - 77 °C</td>
<td>None known</td>
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<td></td>
<td></td>
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<td>Evaporation rate</td>
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<td>None known</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No data available</td>
<td>None known</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No data available</td>
<td>None known</td>
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<td></td>
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<tr>
<td>Lower flammability limit</td>
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<td>None known</td>
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<td>Vapor Pressure</td>
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<td>Vapor Density</td>
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<td>None known</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relative Density</td>
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<td>None known</td>
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<td></td>
<td></td>
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<td>Specific Gravity</td>
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<td>None known</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No data available</td>
<td>None known</td>
<td></td>
<td></td>
<td></td>
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<td>Solubility in other solvents</td>
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<td>None known</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
<td>None known</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
<td>None known</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
<td>None known</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
<td>None known</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammable Properties</td>
<td>Not flammable</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Other information

VOC Content (%) <60

10. STABILITY AND REACTIVITY
Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Temperatures above 71°C.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation

Low order of toxicity based on components.

Eye Contact

Irritating to eyes.

Skin Contact

Irritating to skin.

Ingestion

Low order of toxicity based on components.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lynalyl acetate (ex bois de rose, synthetic)</td>
<td>= 13934 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate</td>
<td>= 5 g/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Cyclohexanol, 2-(1,1-dimethylethyl)-, acetate</td>
<td>= 4600 mg/kg (Rat)</td>
<td>&gt; 5 g/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Dimethylbenzylcarbinyl acetate</td>
<td>= 3300 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Linalool</td>
<td>2790 mg/kg (Rat)</td>
<td>5610 mg/kg (Rat)</td>
<td>-</td>
</tr>
<tr>
<td>2(3H)-Furanone, 5-heptyldihydro-</td>
<td>= 18500 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dihydromycenol</td>
<td>= 3600 mg/kg (Rat)</td>
<td>&gt; 5 g/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Cyclohexanepropanoic acid, 2-propenyl ester</td>
<td>= 585 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>n-Hexyl acetate</td>
<td>= 41500 µL/kg (Rat)</td>
<td>&gt; 5 g/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Ionone, .beta. (.beta.-Ionone)</td>
<td>= 4590 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Benzyl alcohol</td>
<td>= 1230 mg/kg (Rat)</td>
<td>= 2000 mg/kg (Rabbit)</td>
<td>= 8.8 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Terpincyl acetate</td>
<td>= 5075 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Terpineol</td>
<td>= 2900 mg/kg (Rat)</td>
<td>&gt; 3000 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>4,7-Methano-1H-inden-6-ol, 3a,4,5,6,7,7a-hexahydro-</td>
<td>&gt; 5 g/kg (Rat)</td>
<td>&gt; 5 g/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>propanoate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methyl 2-naphthyl ether</td>
<td>&gt; 5 g/kg (Rat)</td>
<td>&gt; 5 g/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Eugenol</td>
<td>= 1930 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Citral</td>
<td>= 4950 mg/kg (Rat)</td>
<td>= 2250 mg/kg (Rabbit)</td>
<td>&gt; 2000 mg/kg (Rat)</td>
</tr>
</tbody>
</table>
Benzenepropanal, \(\alpha\),methyl-4-(1-methylethyl)-
\[= 3810 \text{ mg/kg (Rat)}\]  
\[> 5 \text{ g/kg (Rat)}\]  
\[-\]
Cinnamaldehyde  
\[= 2200 \text{ mg/kg (Rat)}\]  
\[> 2000 \text{ mg/kg (Rabbit)}\]  
\[> 2000 \text{ mg/kg (Rat)}\]  
\[-\]
Oxacyclohexadecan-2-one  
\[> 5 \text{ g/kg (Rat)}\]  
\[> 5 \text{ g/kg (Rabbit)}\]  
\[-\]
Butanoic acid, 1,1-dimethyl-2-phenylethyl ester  
\[> 5 \text{ g/kg (Rat)}\]  
\[> 5 \text{ g/kg (Rabbit)}\]  
\[-\]
Isocyclocitral  
\[= 4500 \text{ mg/kg (Rat)}\]  
\[-\]  
\[-\]
4,7-Methano-1H-indene-2-carboxaldehyde, octahydro-5-methoxy-  
\[= 2800 \text{ mg/kg (Rat)}\]  
\[> 2 \text{ g/kg (Rabbit)}\]  
\[-\]
Carvone  
\[= 1640 \text{ mg/kg (Rat)}\]  
\[-\]  
\[-\]

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms**

Irritation

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Sensitization**

May cause sensitization by skin contact.

**Mutagenic Effects**

No information available.

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eugenol</td>
<td>Group 3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**IARC: (International Agency for Research on Cancer)**

Group 3: Not Classifiable as to its Carcinogenicity to Humans

**Reproductive Toxicity**

No information available.

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

**Aspiration Hazard**

No information available.

**Numerical measures of toxicity - Product**

**Acute Toxicity**

0 % of the mixture consists of ingredient(s) of unknown toxicity.

*The following values are calculated based on chapter 3.1 of the GHS document: Not applicable*

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Harmful to aquatic life Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyclohexanol, (4)-(1,1-dimethylethyl)-, acetate 32210-23-4</td>
<td>LC50 48 h: = 15.5 mg/L static (Leuciscus idus)</td>
<td></td>
<td>EC50 24 h: = 9.6 mg/L (Daphnia magna)</td>
<td></td>
</tr>
<tr>
<td>Linalool 78-70-6</td>
<td>EC50 96 h: = 88.3 mg/L (Desmodesmus subspicatus)</td>
<td>LC50 96 h: = 22-46 mg/L static (Leuciscus idus)</td>
<td>EC50 48 h: = 20 mg/L (Daphnia magna)</td>
<td></td>
</tr>
<tr>
<td>n-Hexyl acetate 142-92-7</td>
<td>LC50 96 h: = 3.7-4.4 mg/L flow-through (Pimephales promelas)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benzyl alcohol 100-51-6</td>
<td>EC50 3 h: = 35 mg/L (Anabaena variabilis)</td>
<td>LC50 96 h: = 10 mg/L static (Lepomis macrochirus) LC50 96 h: = 460 mg/L static (Pimephales promelas)</td>
<td>EC50 = 50 mg/L 5 min EC50 = 63.7 mg/L 15 min EC50 = 63.7 mg/L 5 min EC50 = 71.4 mg/L 30 min</td>
<td>EC50 48 h: = 23 mg/L (water flea)</td>
</tr>
<tr>
<td>Eugenol 97-53-0</td>
<td>LC50 67.6 mg/l Oncorhynchus kisutch (Coho salmon) 96 h static</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Log Pow</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------</td>
<td>---------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Linalool</td>
<td>3.1</td>
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<td>Benzyl alcohol</td>
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<tr>
<td>Eugenol</td>
<td>2.27</td>
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<td></td>
</tr>
<tr>
<td>Citral</td>
<td>2.76</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cinnamaldehyde</td>
<td>2.22</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods**
This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging**
Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

**DOT**
Not regulated

**TDG**
Not regulated

**MEX**
Not regulated

### 15. REGULATORY INFORMATION

**International Inventories**
- **TSCA**
  - Complies
- **DSL**
  - Complies

**Legend**
- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**
- **Acute Health Hazard**
  - Yes
Chronic Health Hazard: Yes  
Fire Hazard: Yes  
Sudden Release of Pressure Hazard: No  
Reactive Hazard: No

Clean Water Act  
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA  
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations  
California Proposition 65  
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations  
This product does not contain any substances regulated by state right-to-know regulations.

U.S. EPA Label Information  
EPA Pesticide Registration Number: Not applicable

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS</td>
<td>Health Hazard</td>
<td>Flammability</td>
<td>Physical Hazard</td>
<td>Personal Protection</td>
</tr>
</tbody>
</table>

Prepared By: Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

Issuing Date: 30-Jul-2013  
Revision Date: 30-Jul-2013  
Revision Note: Initial Release.

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End of Safety Data Sheet