Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: H.M. Gloss Restorer Kit - Part A
Product Number: C400-1520
Product Use: Epoxy Resin.
Manufacturer/Supplier: Chance Company
210 North Allen Street
Centralia, Missouri U.S.A
Phone Number: (573) 682-8465
Emergency Phone: (573) 682-8465
Date of Preparation: January 20, 2014

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING
FLAMMABLE. HARMFUL IF SWALLOWED. IRRITATING TO EYES. IRRITATING TO SKIN. MAY CAUSE SKIN SENSITIZATION. HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED. MAY CAUSE CANCER. MAY CAUSE TERATOGENICITY AND EMBRYOTOXICITY.

Potential Health Effects: See Section 11 for more information.
Likely Routes of Exposure: Skin contact, skin absorption, eye contact, inhalation, and ingestion.

Eye: Irritating to eyes.
Skin: May be harmful in contact with skin. Irritating to skin. May cause sensitization by skin contact.
Ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting. Harmful: may cause lung damage if swallowed.
Inhalation: May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis.

Chronic Effects: Contains ingredients known or suspected to be carcinogenic, teratogenic and/or embryotoxic. Contains Ethylene glycol monobutyl ether which may be absorbed by the skin in harmful amounts with prolonged or repeated contact.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Vapours may cause drowsiness and dizziness.

Medical Conditions Aggravated By Exposure: Because of its irritating properties, product may aggravate preexisting skin, eye, and respiratory conditions.

Target Organs: Eyes, skin, respiratory system, gastrointestinal tract, nervous system, liver, kidneys, and bone marrow.

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.
Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>Wt. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light aromatic solvent naphtha (petroleum)</td>
<td>64742-95-6</td>
<td>7 - 13</td>
</tr>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>111-76-2</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>1 - 5</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>95-63-6</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Diglycidyl ether of bisphenol A-based epoxy resins, medium to high molecular weight solids</td>
<td>25036-25-3</td>
<td>30 - 60</td>
</tr>
</tbody>
</table>

Section 4: FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: DO NOT induce vomiting. If victim is conscious and alert, give 2 cupfuls of water. Never give anything by mouth to an unconscious person. Seek medical attention or call poison control immediately.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

Note to Physicians: Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

Flammability: Flammable by WHMIS criteria.

Means of Extinction:
- Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.
- Unsuitable Extinguishing Media: Not available.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data:
- Sensitivity to Mechanical Impact: Not available.
- Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Containers may explode when heated. Use water spray to keep fire-exposed containers cool. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

Environmental Precautions: Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
Methods for Containment:  Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up:  Scoop up material and place in a disposal container. Provide ventilation.

Other Information:  Not available.

Section 7: HANDLING AND STORAGE

Handling:
Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage:
Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Store in a cool place.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light aromatic solvent naphtha (petroleum)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>20 ppm</td>
</tr>
<tr>
<td>Xylene</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>20 ppm</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>Not available.</td>
</tr>
<tr>
<td>Diglycidyl ether of bisphenol A-based epoxy resins, medium to high molecular weight solids</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Engineering Controls:  Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

- **Eye/Face Protection:**  Wear eye/face protection.
- **Hand Protection:**  Wear suitable gloves.
- **Skin and Body Protection:**  Wear suitable protective clothing, including appropriate boots, boot covers, overshoes, etc.
- **Respiratory Protection:**  In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations:  Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Colour</td>
<td>Not available.</td>
</tr>
<tr>
<td>Odour</td>
<td>Hydrocarbon odour.</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>Not available.</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid.</td>
</tr>
<tr>
<td>pH</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
Viscosity: Not available.
Freezing Point: Not available.
Boiling Point: ~ 58 - 179 °C (~ 136 - 355 °F)
Flash Point: ~ 27 °C (~ 80.6 °F) [Setaflash Closed Cup]
Evaporation Rate: < 1 (Ether = 1)
Lower Flammability Limit: Not available.
Upper Flammability Limit: Not available.
Vapor Pressure: Not available.
Vapor Density: > 1 (Air = 1)
Specific Gravity: Not available.
Solubility in Water: Not available.
Coefficient of Water/Oil Distribution: Not available.
Auto-ignition Temperature: Not available.
Percent Volatile, wt. %: 60%
Percent Volatile, vol. %: 66%
VOC content, wt. %: Not available.

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions. Keep in a cool place.
Incompatible Materials: Strong oxidizers.
Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon.
Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: TOXICOLOGY INFORMATION

Component Analysis

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LD₅₀ (oral)</th>
<th>LC₅₀</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light aromatic solvent naphtha (petroleum)</td>
<td>8400 mg/kg, rat</td>
<td>3400 ppm 4hr, rat</td>
</tr>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>470 mg/kg, rat</td>
<td>450 ppm 4hr, rat</td>
</tr>
<tr>
<td>Xylene</td>
<td>4300 mg/kg, rat</td>
<td>47635 mg/L 4hr, rat</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>3500 mg/kg, rat</td>
<td>17.2 mg/L 4hr, rat</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>3400 mg/kg, rat</td>
<td>18000 mg/m³ 4hr, rat</td>
</tr>
<tr>
<td>Diglycidyl ether of bisphenol A-based epoxy resins, medium to high molecular weight solids</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Eye: Irritating to eyes. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Skin: May be harmful in contact with skin. Irritating to skin. May cause sensitization by skin contact. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting. Harmful: may cause lung damage if swallowed.

Inhalation: May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis. Vapours may cause drowsiness and dizziness.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: Not hazardous by WHMIS criteria.

Carcinogenicity: Hazardous by WHMIS criteria.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Chemical Listed as Carcinogen or Potential Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light aromatic solvent naphtha (petroleum)</td>
<td>Not listed.</td>
</tr>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>G-A3, I-3</td>
</tr>
<tr>
<td>Xylene</td>
<td>G-A4, I-3</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>G-A3, I-3</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>Not listed.</td>
</tr>
<tr>
<td>Diglycidyl ether of bisphenol A-based epoxy resins, medium to high molecular weight solids</td>
<td>Not listed.</td>
</tr>
</tbody>
</table>

* See Section 15 for more information.

Mutagenicity: Not hazardous by WHMIS criteria.

Reproductive Effects: Not hazardous by WHMIS criteria.

Developmental Effects:

Teratogenicity: Hazardous by WHMIS criteria.

Embryotoxicity: Hazardous by WHMIS criteria.

Respiratory Sensitization: Not hazardous by WHMIS criteria.

Skin Sensitization: Hazardous by WHMIS criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:
This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: TRANSPORTATION INFORMATION

TDG Classification
Limited Quantity
Section 15: REGULATORY INFORMATION

Federal Regulations
Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Global Inventories

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Canada DSL/NDSL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light aromatic solvent naphtha (petroleum)</td>
<td>DSL</td>
</tr>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>DSL</td>
</tr>
<tr>
<td>Xylene</td>
<td>DSL</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>DSL</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>DSL</td>
</tr>
<tr>
<td>Diglycidyl ether of bisphenol A-based epoxy resins, medium to high molecular weight solids</td>
<td>DSL</td>
</tr>
</tbody>
</table>

HMIS - Hazardous Materials Identification System

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>PPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2*</td>
<td>3</td>
<td>0</td>
<td>B</td>
</tr>
</tbody>
</table>

NFPA - National Fire Protection Association:

<table>
<thead>
<tr>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3</td>
<td>0</td>
</tr>
</tbody>
</table>

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

WHMIS Classification(s):
- Class B2 - Flammable Liquid
- Class D2A - Carcinogenicity
- Class D2A - Teratogenicity and Embryotoxicity
- Class D2B - Skin Sensitization
- Class D2B - Skin/Eye Irritant

WHMIS Hazard Symbols:

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

ACGIH (G) American Conference of Governmental Industrial Hygienists.
- A2 - Suspected human carcinogen.
- A3 - Animal carcinogen.
- A4 - Not classifiable as a human carcinogen.
- A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.
- 1 - The agent (mixture) is carcinogenic to humans.
- 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
- 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.
- 1 - Known to be carcinogens.
- 2 - Reasonably anticipated to be carcinogens.
Disclaimer:
The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user’s responsibility to satisfy oneself as to the suitability and completeness of this information for the user’s own particular use.

Expiry Date: January 20, 2017

Version #: 2.0

Prepared by: Nexreg Compliance Inc.
Phone: (519) 488-5126
www.nexreg.com
Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: H.M. Gloss Restorer Kit - Part B
Product Number: C400-1520
Product Use: Epoxy Resin.
Manufacturer/Supplier: Chance Company
210 North Allen Street
Centralia, Missouri U.S.A
Phone Number: (573) 682-8465
Emergency Phone: (573) 682-8465
Date of Preparation: January 20, 2014

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING

FLAMMABLE. HARMFUL IF SWALLOWED. IRRITATING TO EYES. IRRITATING TO SKIN. MAY CAUSE SKIN SENSITIZATION. HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED. MAY CAUSE CANCER. MAY CAUSE TERATOGENICITY AND EMBRYOTOXICITY.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, skin absorption, eye contact, inhalation, and ingestion.

Eye: Irritating to eyes.
Skin: May be harmful in contact with skin. Irritating to skin. May cause sensitization by skin contact.
Ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting. Harmful: may cause lung damage if swallowed.
Inhalation: May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis.

Chronic Effects: Contains ingredients known or suspected to be carcinogenic, teratogenic and/or embryotoxic. Contains Ethylene glycol monobutyl ether which may be absorbed by the skin in harmful amounts with prolonged or repeated contact.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Vapours may cause drowsiness and dizziness.

Medical Conditions Aggravated By Exposure: Because of its irritating properties, product may aggravate preexisting skin, eye, and respiratory conditions.

Target Organs: Eyes, skin, respiratory system, gastrointestinal tract, nervous system, liver, kidneys, and bone marrow.

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.
Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>Wt. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>111-76-2</td>
<td>7 - 13</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>40 - 70</td>
</tr>
<tr>
<td>Fatty acids, C18-unsaturated dimers, polymers with tall oil fatty acids</td>
<td>68082-29-1</td>
<td>10 - 30</td>
</tr>
<tr>
<td>and triethylene tetramine</td>
<td>100-41-4</td>
<td>7 - 13</td>
</tr>
</tbody>
</table>

Section 4: FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** DO NOT induce vomiting. If victim is conscious and alert, give 2 cupfuls of water. Never give anything by mouth to an unconscious person. Seek medical attention or call poison control immediately.

**General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

**Note to Physicians:** Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

**Flammability:** Flammable by WHMIS criteria.

**Means of Extinction:**

- Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.
- Unsuitable Extinguishing Media: Not available.

**Products of Combustion:** May include, and are not limited to: oxides of carbon.

**Explosion Data:**

- Sensitivity to Mechanical Impact: Not available.
- Sensitivity to Static Discharge: Not available.

**Protection of Firefighters:** Containers may explode when heated. Use water spray to keep fire-exposed containers cool. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

**Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**Methods for Containment:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for Clean-Up: Scoop up material and place in a disposal container. Provide ventilation.

Other Information: Not available.

Section 7: HANDLING AND STORAGE

Handling:
Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage:
Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Store in a cool place.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>20 ppm</td>
</tr>
<tr>
<td>Xylene</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Fatty acids, C18-unsaturated dimers, polymers with tall oil fatty acids</td>
<td>Not available.</td>
</tr>
<tr>
<td>and triethylene tetramine</td>
<td></td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>20 ppm</td>
</tr>
</tbody>
</table>

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:
  - **Eye/Face Protection:** Wear eye/face protection.
  - **Hand Protection:** Wear suitable gloves.
  - **Skin and Body Protection:** Wear suitable protective clothing, including appropriate boots, boot covers, overshoes, etc.
  - **Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Colour</td>
<td>Not available</td>
</tr>
<tr>
<td>Odour</td>
<td>Hydrocarbon odour</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>~ 58 - 153 °C (~ 136 - 308 °F)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>~ 27 °C (~ 80.6 °F) [Setaflash Closed Cup]</td>
</tr>
</tbody>
</table>
**Evaporation Rate:** < 1 (Ether = 1)
**Lower Flammability Limit:** 1.0%
**Upper Flammability Limit:** 15.8%
**Vapor Pressure:** Not available.
**Vapor Density:** > 1 (Air = 1)
**Specific Gravity:** Not available.
**Solubility in Water:** Not available.
**Coefficient of Water/Oil Distribution:** Not available.
**Auto-ignition Temperature:** Not available.
**Percent Volatile, wt. %:** 77%
**Percent Volatile, vol. %:** 79%
**VOC content, wt. %:** Not available.

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**Section 10: STABILITY AND REACTIVITY**

**Stability:** Stable under normal storage conditions. Keep in a cool place.

**Conditions of Reactivity:** Heat. Incompatible materials.

**Incompatible Materials:** Strong oxidizers.

**Hazardous Decomposition Products:** May include, and are not limited to: oxides of carbon.

**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

---

**Section 11: TOXICOLOGY INFORMATION**

**EFFECTS OF ACUTE EXPOSURE**

**Component Analysis**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th><strong>LD&lt;sub&gt;50&lt;/sub&gt; (oral)</strong></th>
<th><strong>LC&lt;sub&gt;50&lt;/sub&gt;</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>470 mg/kg, rat</td>
<td>450 ppm 4hr, rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5000 ppm 4hr, rat;</td>
</tr>
<tr>
<td>Xylene</td>
<td>4300 mg/kg, rat</td>
<td>47635 mg/L 4hr, rat</td>
</tr>
<tr>
<td>Fatty acids, C18-unsaturated dimers, polymers with tall oil fatty acids and triethylene tetramine</td>
<td>&gt; 2000 mg/kg, rat</td>
<td>Not available.</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>3500 mg/kg, rat</td>
<td>17.2 mg/L 4hr, rat</td>
</tr>
</tbody>
</table>

**Eye:** Irritating to eyes. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Skin:** May be harmful in contact with skin. Irritating to skin. May cause sensitization by skin contact. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

**Ingestion:** Harmful if swallowed. May cause stomach distress, nausea or vomiting. Harmful: may cause lung damage if swallowed.

**Inhalation:** May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis. Vapours may cause drowsiness and dizziness.
EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: Not hazardous by WHMIS criteria.

Carcinogenicity: Hazardous by WHMIS criteria.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Chemical Listed as Carcinogen or Potential Carcinogen *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>G-A3, I-3</td>
</tr>
<tr>
<td>Xylene</td>
<td>G-A4, I-3</td>
</tr>
<tr>
<td>Fatty acids, C18-unsaturated dimers, polymers with tall oil</td>
<td>Not listed.</td>
</tr>
<tr>
<td>fatty acids and triethylene tetramine</td>
<td>G-A3, I-2B</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td></td>
</tr>
</tbody>
</table>

* See Section 15 for more information.

Mutagenicity: Not hazardous by WHMIS criteria.

Reproductive Effects: Not hazardous by WHMIS criteria.

Developmental Effects:

Teratogenicity: Hazardous by WHMIS criteria.

Embryotoxicity: Hazardous by WHMIS criteria.

Respiratory Sensitization: Not hazardous by WHMIS criteria.

Skin Sensitization: Hazardous by WHMIS criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:
This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: TRANSPORTATION INFORMATION

TDG Classification
Limited Quantity

Section 15: REGULATORY INFORMATION

Federal Regulations:
Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
Global Inventories

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Canada</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>DSL</td>
</tr>
<tr>
<td>Xylene</td>
<td>DSL</td>
</tr>
<tr>
<td>Fatty acids, C18-unsaturated dimers, polymers with tall oil fatty acids and</td>
<td>DSL</td>
</tr>
<tr>
<td>triethylene tetramine</td>
<td>DSL</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>DSL</td>
</tr>
</tbody>
</table>

HMIS - Hazardous Materials Identification System

- **Health**: 2*
- **Flammability**: 3
- **Physical Hazard**: 0
- **PPE**: B

NFPA - National Fire Protection Association:

- **Health**: 2
- **Fire**: 3
- **Reactivity**: 0

**Hazard Rating**: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

WHMIS Classification(s):
- Class B2 - Flammable Liquid
- Class D2A - Carcinogenicity
- Class D2A - Teratogenicity and Embryotoxicity
- Class D2B - Skin Sensitization
- Class D2B - Skin/Eye Irritant

WHMIS Hazard Symbols:

![Hazard Symbols]

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

**ACGIH (G)**
- American Conference of Governmental Industrial Hygienists.
  - A2 - Suspected human carcinogen.
  - A3 - Animal carcinogen.
  - A4 - Not classifiable as a human carcinogen.
  - A5 - Not suspected as a human carcinogen.

**IARC (I)**
- International Agency for Research on Cancer.
  - 1 - The agent (mixture) is carcinogenic to humans.
  - 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
  - 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
  - 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
  - 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

**NTP (N)**
- National Toxicology Program.
  - 1 - Known to be carcinogens.
  - 2 - Reasonably anticipated to be carcinogens.
Disclaimer:
The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user’s responsibility to satisfy oneself as to the suitability and completeness of this information for the user’s own particular use.

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