SAFETY DATA SHEET

Product: 623-L
Revision Date: 6/01/2015

1. MATERIAL IDENTIFICATION

Product Name: Graphi-Coat 623-L Liquid
Product Description: Slightly Cloudy, Odorless Liquid
Product Use: High Temperature Binder System
Manufacturer: Aremco Products, Inc.
707-B Executive Blvd.
Valley Cottage, NY 10989
Telephone: 845-268-0039
Emergency Phone: 845-268-0039 or Infotrac (24/7) 800-535-5053

2. HAZARDS IDENTIFICATION

GHS Classification: This product is not classified according to the Globally Harmonized System (GHS).
GHS Symbol: None
GHS Signal Word: None
GHS Hazard Determining Component: None
GHS Hazard Statements for Health Hazards: None

3. COMPOSITION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Concentration</th>
<th>GHS Product Identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon Dioxide, Amorphous</td>
<td>7631-86-9</td>
<td>262-373-8</td>
<td>40.0-60.0%</td>
<td>None</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>NA</td>
<td>40.0-60.0%</td>
<td>None</td>
</tr>
</tbody>
</table>

Note: This product is a water colloidal suspension of amorphous silica.

4. FIRST AID MEASURES

After eye contact: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist.
After skin contact: Immediately wipe excess material off skin with a dry cloth then wash with soap and water for at least 5 minutes.
After inhalation: In case of inhalation due to spray mist, remove source of exposure and assure that victim is breathing. If not breathing, administer cardio-pulmonary resuscitation (CPR).
After ingestion: If swallowed, do not induce vomiting. If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention immediately.
Medical Conditions Possibly Aggravated by Exposure: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.
5. FIRE FIGHTING MEASURES

Extinguishing Media: This material is compatible with all extinguishing media.
Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved positive pressure breathing apparatus with full face-piece and full chemical resistant protective clothing. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.
Unusual Fire and Explosion Hazards: This material is non-combustible.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection: Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots. Use NIOSH approved respirator where mist occurs.
Spill Cleanup: Absorb with liquid-binding materials such as sand, diatomite, acid binders, universal binders, or sawdust. Do not allow liquid to enter sewers, or surface or ground water.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Keep container closed. Promptly clean residue from closures with cloth dampened with water. Promptly clean up spills.
Storage: Store above 2 °C. Freezing temperatures can cause irreversible precipitation of silica; therefore the product should be located in heated buildings. Avoid routine storage temperatures above 43 °C. Keep containers closed. Store in clean plastic or stainless steel containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>PEL (mg/m³)</th>
<th>TLV (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon Dioxide, Amorphous</td>
<td>7631-86-9</td>
<td>231-545-4</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>NA</td>
<td>Non established</td>
<td>Non established</td>
</tr>
</tbody>
</table>

Engineering Controls: Use with adequate ventilation. Keep containers closed. Safety shower and eyewash fountain should be within direct access.
Respiratory Protection: This product is not considered respirable in either the liquid or cured forms. However, if the cured product is polished, ground or chipped during processing, handling or use, powders may be released as airborne respirable particles. In these instances, appropriate personal protection equipment and local ventilation controls must be employed. If exposure limits are exceeded and local ventilation is unavailable, a supplied-air respirator or a self-contained NIOSH-approved dust and mist respirator is required.
Skin Protection: Wear body-covering protective clothing and gloves.
Eye Protection: Wear chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical here represent typical properties of this product. Contact Technical Sales for exact specifications.

- **Appearance:** Liquid
- **Color:** Slightly Cloudy
- **Odor threshold:** No available information
- **Odor:** Odorless
- **pH:** 9.0-10.5
- **Specific Gravity, g/cc:** 1.30-1.40
- **Melting Point Range:** 0 °C (32 °F)
- **Boiling Point Range:** 100 °C (212 °F)
- **Vapor Pressure at 25 °C:** 32 hPa (24 mm Hg)
- **Vapor Density (air=1):** No available information
- **Flash point:** Not applicable
- **Flammability:** Product is not flammable
- **Decomposition Temperature:** Not determined
- **Auto-Ignition Temperature:** Product is not self-igniting
- **Danger of Explosion:** Product does not present an explosion hazard
- **Partition coefficient:** No available information
- **Water Solubility:** Soluble
- **Evaporation rate:** No available information
- **VOC Content, gr/l:** 0.00
- **Viscosity, Dynamic25 °C:** Maximum, 9 mPas
10. STABILITY AND REACTIVITY

Chemical Stability: This material is stable under all conditions of use and storage.
Conditions to Avoid: None.
Materials to Avoid: None.
Hazardous Decomposition Products: None.
Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: CAS No. 7631-86-9, Amorphous Silicon Dioxide, Chemically Prepared
Oral: LD50, >5000 mg/kg (rat)
Dermal: LD50, >5000 mg/kg (rabbit)
Inhalative: LC0, >140-2000 mg/m³/4h (rat)

Primary Irritant: Skin: Not irritating
Eye: Not irritating

Respiratory Sensitization: No further relevant information available
Skin Sensitization: No further relevant information available

Carcinogenic Categories: IARC CAS No. 7631-86-9, Amorphous Silicon Dioxide, Chemically Prepared, 3
NTP None of the ingredients is listed
OSHA None of the ingredients is listed

Repeated Dose Toxicity: CAS No. 7631-86-9, Amorphous Silicon Dioxide, Chemically Prepared
Oral: NOAEL (90 d) 9000 mg/kg bw/day (rat) (OECD 408)
Inhalative: NOAEC (90 d) 1 mg/m³ (rat) (OECD 413)

Germ Cell Mutagenicity: CAS No. 7631-86-9, Amorphous Silicon Dioxide, Chemically Prepared
AMES Test <5 mg/plate (in-vitro) (OECD 471)
Negative, with and without metabolic activation, ECHA 2012

Reproductive Toxicity: CAS No. 7631-86-9, Amorphous Silicon Dioxide, Chemically Prepared
Oral: NOAEL (maternal toxicity) 1350 mg/kg bw/day (rat) (OECD 414)
NOAEL (Teratogenicity) 1350 mg/kg bw/day (rat) (OECD 414)

Specific Target Organ Toxicity (SE): No further relevant information available.
Specific Target Organ Toxicity (RE): No further relevant information available.
Aspiration Hazard: No further relevant information available.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: CAS No. 7631-86-9, Amorphous Silicon Dioxide, Chemically Prepared
Fish: LC0 (96h) (static) 10000 mg/l (zebra fish) (OECD 203)
Water Flea: EC50 (24h) 1000 mg/l (Daphnia Magna) (OECD 202)
Algae: EC50 (72h) >10000 mg/l (Scenedesmus Subspicatus) (OECD 201)

Persistence & Degradability: No further relevant information available.
Other Information: Amorphous silica dioxide is chemically and biologically inert.
Bioaccumulative Potential: No further relevant information available.
Mobility in Soil: No further relevant information available.
General Notes: Do not allow product to reach ground water, water course or sewage system.
PBT & vPvB Assessment: PBT: Not applicable.
vpvB: Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal Method: Dispose in accordance with federal, state and local regulations and permits.
14. TRANSPORTATION INFORMATION

**DOT UN Status:** The material is not a regulated hazardous material for transportation.

15. REGULATORY INFORMATION

**U.S. Federal Regulations**

**CERCLA:** No CERCLA reportable quantity has been established for this material.

**TSCA:** All ingredients of this material are listed on the TSCA inventory.

**SARA Title III**

**Sections 302, 304, 313:** This product does not contain any substances reportable under these sections.

**Sections 311, 312:**

<table>
<thead>
<tr>
<th>Hazard Classes</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactivity Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Pressure Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Immediate Hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Delayed Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

**International Inventory Status**

<table>
<thead>
<tr>
<th>Canada (DSL)</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe (EINECS/ELINCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Australia (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Japan (MITI)</td>
<td>Yes</td>
</tr>
<tr>
<td>South Korea (KECL)</td>
<td>Yes</td>
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</table>

16. OTHER INFORMATION

**NFPA Ratings (scale 0 – 4)**

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
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<tbody>
<tr>
<td>Health</td>
<td>1</td>
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<tr>
<td>Flammability</td>
<td>0</td>
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<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>C</td>
</tr>
</tbody>
</table>

**HMIS Ratings (scale 0 – 4)**

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>C</td>
</tr>
</tbody>
</table>

**Key Legend Information**

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>ARD</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstract Service</td>
</tr>
<tr>
<td>CERCLA</td>
<td>Comprehensive Environmental Response, Compensation &amp; Liability Act</td>
</tr>
<tr>
<td>DSL</td>
<td>Domestic Substance List</td>
</tr>
<tr>
<td>EC</td>
<td>European Commission</td>
</tr>
<tr>
<td>HMIS</td>
<td>Hazardous Materials Identification System</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>ND</td>
<td>Not Determined</td>
</tr>
<tr>
<td>NE</td>
<td>Not Established</td>
</tr>
<tr>
<td>NFPA</td>
<td>National Fire Protection Association</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety &amp; Health</td>
</tr>
<tr>
<td>NTP</td>
<td>National Toxicology Program</td>
</tr>
</tbody>
</table>
OSHA
Occupational Safety and Health Administration

PEL
Permissible Exposure Limit

RE
Repeat Exposure

RTECS
Registry of Toxic Effects of Chemical Substances

SARA
Superfund Amendments & Reauthorization Act

SARA Title III
Emergency Planning & Community Right to Know Act

SARA Section 302
Extremely Hazardous Substances

SARA Section 304
Emergency Release

SARA Section 311
MSDS/List of Chemicals & Hazardous Inventory

SARA Section 312
Emergency & Hazardous Inventory

SARA Section 313
Toxic Chemicals & Release Reporting

SE
Single Exposure

STEL
Short Term Exposure Limit

STOT
Specific Target Organ Toxicity

TLV
Threshold Limit Value

TWA
Time Weighted Average

Disclaimer: The information contained herein is based on data taken from sources believed to be both current and reliable at the time of publication. Aremco Products, Inc. makes no warranty, expressed or implied, as to the accuracy of this MSDS and assumes no liability arising from its use by others. Compliance with all applicable Federal, State and Local laws and regulations remains the responsibility of the user.
1. MATERIAL IDENTIFICATION

Product Name: Graphi-Coat 623-P
Product Description: Black-Grey Odorless Powder
Product Use: High Temperature Oxidation Protective Coating for Graphite
Manufacturer: Aremco Products, Inc.
707-B Executive Blvd.
Valley Cottage, NY 10989
Telephone: 845-268-0039
Emergency Phone: 845-268-0039 or Infotrac (24/7) 800-535-5053

2. HAZARDS IDENTIFICATION

GHS Classification:
Skin Corrosion/Irritation Category 2
Eye Damage/Irritation Category 2
STOT, SE; Respiratory Category 3

GHS Symbol:

GHS Signal Word:
Danger

GHS Hazard Determining Components:
Titanium Diboride
Silicon Carbide

GHS Hazard Statements for Health Hazards:
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

GHS Precautionary Statements - Prevention:
P261 Avoid breathing dust.
P264 Wash hands thoroughly after handling.
P270 Do not eat or drink when using this product.
P280 Wear protective gloves/protective clothing/eye protections/face protection.
P284 Wear respiratory protection.

GHS Precautionary Statements – Response:
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Remove contact lenses, if present and easy to do. Rinse cautiously with water for several minutes.

GHS Storage/Disposal:
P501 Dispose in accordance with local, regional, national or international regulations.
3. COMPOSITION

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Concentration</th>
<th>GHS Product Identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Diboride</td>
<td>12045-63-5</td>
<td>234-961-4</td>
<td>40.0-60.0%</td>
<td>None H315 Skin Corrosion/Irritation, Cat 2</td>
</tr>
<tr>
<td>Silicon Carbide</td>
<td>409-21-2</td>
<td>206-991-8</td>
<td>40.0-60.0%</td>
<td>H319 Serious Eye Damage/Eye Irritation, Cat 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>H335 STOT, SE; Respiratory Tract Irritation, Cat 3</td>
</tr>
</tbody>
</table>

Note
Silicon carbide contains < 0.5% crystalline silica.

4. FIRST AID MEASURES

Eye Exposure:
Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist. If a physician is not immediately available, eye irrigation should be continued for an additional 15 minutes.

Skin Exposure:
Immediately wipe excess material off skin with a dry cloth then wash with plenty of soap and water for at least 5 minutes. See medical attention if irritation develops or persists. Remove contaminated clothing and shoes and clean thoroughly before re-use.

Inhalation:
Remove from immediate source of exposure and assure that victim is breathing. If not breathing, administer cardio-pulmonary resuscitation (CPR). If breathing is difficult, administer oxygen if available. Seek medical attention.

Ingestion:
If swallowed, do not induce vomiting. If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention immediately. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Medical Conditions Possibly Aggravated by Exposure:
Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

5. FIRE FIGHTING MEASURES

Flash Point: Not applicable.
Flammable Limits: This material is non-combustible.
Extinguishing Media: Not applicable.
Special Fire Fighting Procedures: Not applicable.
Unusual Fire and Explosion Hazards: This material is non-combustible.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection:
Wear goggles, protective clothing, chemical resistant gloves, and rubber boots. Use NIOSH approved respirator to prevent inhalation of dust.

Spill Cleanup:
Collect material with precaution against breathing dust and dispose in accordance with federal, state and local regulations.

7. HANDLING AND STORAGE

Handling:
Avoid contact with eyes, skin and clothing. Avoid breathing dust. Keep container closed. Promptly clean residue from closures with cloth dampened with water. Promptly clean up spills.

Storage:
Store in an area that is cool, dry, and well ventilated. Keep containers closed. Store in clean plastic or metal containers.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>TLV (mg/m³)</th>
<th>PEL (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Diboride</td>
<td>12045-63-5</td>
<td>234-961-4</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Silicon Carbide</td>
<td>409-21-2</td>
<td>206-991-8</td>
<td>10</td>
<td>15</td>
</tr>
</tbody>
</table>

**Engineering Controls:**
Use with adequate ventilation; mechanical dust collector is recommended. Keep containers closed. Safety shower and eyewash fountain should be within direct access.

**Respiratory Protection:**
If exposure limits are exceeded and local ventilation is unavailable, a supplied-air respirator or a self-contained NIOSH-approved dust respirator is recommended.

**Skin Protection:**
Wear protective clothing and gloves.

**Eye Protection:**
Wear chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical here represent typical properties of this product. Contact Technical Sales for exact specifications.

- **Appearance:** Powder
- **Color:** Black-Grey
- **Odor:** Odorless
- **Specific Gravity, g/cc:** Not Determine
- **Water Solubility:** Insoluble
- **Melting Point:** Not available
- **Boiling Point:** Not applicable
- **Vapor Pressure:** Not applicable
- **Vapor Density (air=1):** Not applicable

10. STABILITY AND REACTIVITY

**Chemical Stability:**
This material is stable under all conditions of use and storage.

**Conditions to Avoid:**
Keep exposure to dust levels below TLV. Avoid rapid heating of the cement that may cause spalling or eruption due to vaporization of water.

**Materials to Avoid:**
BrCl₃ and BrF₃.

**Hazardous Decomposition Products:**
None.

**Hazardous Polymerization:**
Will not occur.

11. TOXICOLOGICAL INFORMATION

Component: CAS No. 14808-60-7 (Crystalline Silica)

This product contains fused silica, which consists of < 1.0% crystalline silica.

**Inhalation:**
Acute silicosis has been reported for exposure to extremely high crystalline silica concentrations particularly when the particle size of the dust is very small. Acute silicosis is rapidly progressive with diffuse pulmonary involvement and does not form classical silicotic nodules. The disease is often complicated by tuberculosis and can develop only months after the initial exposure with the possibility of death within 1 or 2 years. This product contains < 0.50% crystalline silica. Acute silicosis may not occur at the concentrations present.

**Chronic:**
Classic silicosis is characterized by the formation of scattered silica containing nodules of scar tissue in the lungs ranging in size from microscopic to greater than 1 cm. Simple silicosis (nodules < 1 cm) is generally asymptomatic but may progress to debilitating complicated silicosis (nodules > 1 cm) with or without continued exposure. Historically, workers who developed silicosis had greatly increased risks of developing an accompanying tuberculosis infection (silicotuberculosis).

IARC has found inadequate evidence to link exposure to amorphous silica to cancer in animals. Limited data is available concerning the health effects of fused silica in animals or humans; however, animal studies indicate a fibrogenic potential less than that of quartz. IARC has found inadequate evidence to link exposure to amorphous silica to cancer in animals.

**Subchronic:**
No data.

**Other:**
Silica particles <10 microns are considered respirable; however, particles retained in the lungs are generally much smaller. Silica particles retained in the human lung have median diameters of 0.5-0.7 microns.
12. ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Category</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecotoxity:</td>
<td>Not tested</td>
</tr>
<tr>
<td>Environmental Fate:</td>
<td>Not tested</td>
</tr>
<tr>
<td>Physical/Chemical:</td>
<td>Sinks and mixes with water.</td>
</tr>
</tbody>
</table>

13. DISPOSAL CONSIDERATIONS

<table>
<thead>
<tr>
<th>Category</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disposal Method:</td>
<td>Dispose in accordance with federal, state and local rules, regulations and laws.</td>
</tr>
</tbody>
</table>

14. TRANSPORTATION INFORMATION

<table>
<thead>
<tr>
<th>Category</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT UN Status:</td>
<td>The material is not a regulated hazardous material for transportation.</td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION

**U.S. Federal Regulations**

<table>
<thead>
<tr>
<th>Category</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERCLA:</td>
<td>No CERCLA reportable quantity has been established for this material.</td>
</tr>
<tr>
<td>TSCA:</td>
<td>All ingredients of this material are listed on the TSCA inventory.</td>
</tr>
</tbody>
</table>

**SARA Title III**

<table>
<thead>
<tr>
<th>Sections</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>302, 304, 313:</td>
<td>This product does not contain any substances reportable under these sections.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sections</th>
<th>Hazard Classes</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>311, 312:</td>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Reactivity Hazard</td>
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</tr>
<tr>
<td></td>
<td>Pressure Hazard</td>
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</tr>
<tr>
<td></td>
<td>Immediate Hazard</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Delayed Hazard</td>
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</tbody>
</table>

**International Inventory Status**

<table>
<thead>
<tr>
<th>Country</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe (EINECS/ELINCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Australia (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Japan (MITI)</td>
<td>Yes</td>
</tr>
<tr>
<td>South Korea (KECL)</td>
<td>Yes</td>
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</table>

16. OTHER INFORMATION

| NFPA Ratings (scale 0 – 4) | Health, 1  
|                           | Flammability, 0  
|                           | Reactivity, 0  
|                           | Personal Protection, F  |

| HMIS Ratings (scale 0 – 4) | Health, 1  
|                           | Flammability, 0  
|                           | Reactivity, 0  
|                           | Personal Protection, F  |
Key Legend Information

ACGIH  American Conference of Governmental Industrial Hygienists
ARD   International Agency for Research on Cancer
CAS   Chemical Abstract Service
CERCLA Comprehensive Environmental Response, Compensation & Liability Act
DSL   Domestic Substance List
HMIS  Hazardous Materials Identification System
ND    Not Determined
NE    Not Established
NFPA  National Fire Protection Association
NIOSH National Institute for Occupational Safety & Health
NTP   National Toxicology Program
PEL   Permissible Exposure Limit
RTECS Registry of Toxic Effects of Chemical Substances
SARA  Superfund Amendments & Reauthorization Act
SARA Title III Emergency Planning & Community Right to Know Act
SARA Section 302 Extremely Hazardous Substances
SARA Section 304 Emergency Release
SARA Section 311 MSDS/List of Chemicals & Hazardous Inventory
SARA Section 312 Emergency & Hazardous Inventory
SARA Section 313 Toxic Chemicals & Release Reporting
STEL  Short Term Exposure Limit
TLV   Threshold Limit Value
TWA   Time Weighted Average

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