Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier
Product Name      • UPT-M
Synonyms          • Grease, Lubricant, Sealant

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified use(s) • Lubricant, high temperature sealant

1.3 Details of the supplier of the safety data sheet
Manufacturer      • Topco Oilsite Products Ltd.
                   Bay 7, 3401 - 19th Street N.E.
                   Calgary, Alberta T2E 6S8
                   Canada
                   www.topcooilsite.com
                   msds@topcooilsite.com
Telephone (General) • 403-219-0255

1.4 Emergency telephone number
Manufacturer      • 1-888-226-8832 - CANUTEC

Section 2: Hazards Identification

EU/EEC

2.1 Classification of the substance or mixture
CLP
   • Skin Irritation 2 - H315
   • Eye Irritation 2 - H319

2.2 Label Elements
CLP
WARNING

Hazard statements • H315 - Causes skin irritation
                   H319 - Causes serious eye irritation

Precautionary statements
Prevention • P264 - Wash thoroughly after handling.
            P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Response • P302+P352 - IF ON SKIN: Wash with plenty of water.
           P362+P364 - Take off contaminated clothing and wash it before reuse.
           P321 - Specific treatment, see supplemental first aid information.
           P332+P313 - If skin irritation occurs: Get medical advice/attention.
           P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.
2.3 Other Hazards

CLP

- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

UN GHS Revision 4

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS): Fourth Revised Edition

2.1 Classification of the substance or mixture

UN GHS

- Skin Irritation 2
- Eye Irritation 2

2.2 Label elements

UN GHS

WARNING

Hazard statements

Causes skin irritation
Causes serious eye irritation

Precautionary statements

Prevention

- Wash thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.

Response

IF ON SKIN: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
Specific treatment, see supplemental first aid information.
If skin irritation occurs: Get medical advice/attention.
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.

2.3 Other hazards

UN GHS

- According to the Globally Harmonized System for Classification and Labeling (GHS) this product is considered hazardous

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

- Skin Irritation 2
- Eye Irritation 2

2.2 Label elements

OSHA HCS 2012

WARNING

Hazard statements

Causes skin irritation
Causes serious eye irritation
Precautionary statements

Prevention • Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Response • If on skin: Wash with plenty of water.
Take off contaminated clothing and wash before reuse.
Specific treatment, see supplemental first aid information.
If skin irritation occurs: Get medical advice/attention.
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.

2.3 Other hazards


Canada
According to: WHMIS 2015

2.1 Classification of the substance or mixture

WHMIS 2015 • Skin Irritation 2
Eye Irritation 2

2.2 Label elements

WHMIS 2015

WARNING

Hazard statements • Causes skin irritation
Causes serious eye irritation

Precautionary statements

Prevention • Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Response • IF ON SKIN: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
Specific treatment, see supplemental first aid information.
If skin irritation occurs: Get medical advice/attention.
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.

2.3 Other hazards

WHMIS 2015 • In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

• Material does not meet the criteria of a substance.

3.2 Mixtures
## Composition

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
<th>LD50/LC50</th>
<th>Classifications According to Regulation/Directive</th>
<th>Comments</th>
</tr>
</thead>
</table>
| Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic | CAS: 64741-88-4  
EC Number: 265-090-8  
EU Index: 649-454-00-7 | 10% TO 20% | NDA              | EU CLP: Annex VI, Table 3.1: Carc. 1B, H350  
UN GHS Revision 4: Skin Irrit. 3; Asp. Tox. 2  
OSHA HCS 2012: Not Classified  
WHMIS 2015: Not Classified | NDA |
| Calcium moncarbonate                                                          | CAS: 471-34-1  
EC Number: 207-439-9  
EINECS: 207-439-9 | 10% TO 20% | Ingestion/Oral-Rat LD50 • 6450 mg/kg | EU CLP: Skin Irrit. 2, H315; Eye Irrit. 2, H319  
UN GHS Revision 4: Skin Irrit. 2; Eye Irrit. 2  
OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2  
WHMIS 2015: Skin Irrit. 2; Eye Irrit. 2 | NDA |
| Sulfonylic acid, petroleum, calcium salt                                       | CAS: 61789-86-4  
EINECS: 263-093-9 | 1% TO 5% | NDA              | EU CLP: Not Classified  
UN GHS Revision 4: Not Classified  
OSHA HCS 2012: Not Classified  
WHMIS 2015: Not Classified | NDA |
| Molybdenum sulfide                                                            | CAS: 1317-33-5  
EC Number: 215-263-9 | 1% TO 5% | Inhalation-Rat LC50 • >2820 mg/m³ 4 Hour(s) | EU CLP: Not Classified  
UN GHS Revision 4: Not Classified  
OSHA HCS 2012: Not Classified  
WHMIS 2015: Not Classified | NDA |
| Calcium alkylbenzene sulfonate                                                | CAS: 70024-69-0  
EINECS: 274-263-7 | 1% TO 5% | NDA              | EU CLP: Not Classified  
UN GHS Revision 4: Not Classified  
OSHA HCS 2012: Not Classified  
WHMIS 2015: Not Classified | NDA |
| Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts                     | CAS: 68584-23-6  
EINECS: 271-529-4 | 1% TO 5% | NDA              | EU CLP: Not Classified  
UN GHS Revision 4: Not Classified  
OSHA HCS 2012: Not Classified  
WHMIS 2015: Not Classified | NDA |
| Benzenesulfonic acid, dodecyl-, calcium salt                                  | CAS: 26264-06-2  
EINECS: 247-557-8 | 1% TO 3% | Ingestion/Oral-Rat LD50 • 1300 mg/kg | EU CLP: Acute Tox. 4, H302  
UN GHS Revision 4: Acute Tox. 4 (orl); Aquatic Acute 2  
OSHA HCS 2012: Acute Tox. 4 (orl)  
WHMIS 2015: Acute Tox. 4 (orl) | NDA |
| Alkylated Diphenylamine                                                       | CAS: 36878-20-3  
EINECS: 253-249-4 | 1% TO 2.5% | NDA              | EU CLP: Not Classified  
UN GHS Revision 4: Not Classified  
OSHA HCS 2012: Not Classified  
WHMIS 2015: Not Classified | NDA |

### Section 4 - First Aid Measures

#### 4.1 Description of first aid measures

**Inhalation**
- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

**Skin**
- Wash skin with soap and water. Remove contaminated clothing and shoes. Get
medical attention if symptoms occur.

Eye
• In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion
• Rinse mouth. Give plenty of water to drink. Obtain medical attention immediately if ingested.

4.2 Most important symptoms and effects, both acute and delayed
• Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed
Notes to Physician
• All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media
Suitable Extinguishing Media
• In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media
• No data available

5.2 Special hazards arising from the substance or mixture
Unusual Fire and Explosion Hazards
• No data available

Hazardous Combustion Products
• No data available

5.3 Advice for firefighters
• Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Personal Precautions
• Ventilate the area. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact.

Emergency Procedures
• Keep unauthorized personnel away. Stay upwind.

6.2 Environmental precautions
• Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up
Containment/Clean-up Measures
• Stop leak if you can do it without risk. Carefully shovel or sweep up spilled material and place in suitable container.

6.4 Reference to other sections
• Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling
Handling
• Use only with adequate ventilation. Keep away from heat and ignition sources. Use good safety and industrial hygiene practices. Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with skin, eyes, and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly with soap and water.
after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities
Storage
• Keep only in the original container. Keep container tightly closed. Store in a cool, dry, well-ventilated place.

7.3 Specific end use(s)
• Refer to Section 1.2 - Relevant identified uses.

### Section 8 - Exposure Controls/Personal Protection

#### 8.1 Control parameters

<table>
<thead>
<tr>
<th>Result</th>
<th>Exposure Limits/Guidelines</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Australia</td>
</tr>
<tr>
<td>Calcium monocarbonate (471-34-1)</td>
<td>TWAs</td>
</tr>
<tr>
<td>STELs</td>
<td>Not established</td>
</tr>
</tbody>
</table>

#### Exposure Limits/Guidelines (Con't.)

<table>
<thead>
<tr>
<th>Result</th>
<th>Canada Saskatchewan</th>
<th>Canada Yukon</th>
<th>France</th>
<th>Germany DFG</th>
<th>Germany TRGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfonic acid, petroleum, calcium salt (61789-86-4)</td>
<td>TWAs</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>5 mg/m3 TWA AGW (respirable fraction, exposure factor 4)</td>
</tr>
<tr>
<td>Ceilings</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>20 mg/m3 Peak (respirable fraction)</td>
<td>Not established</td>
</tr>
<tr>
<td>MAKs</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>5 mg/m3 TWA MAK (respirable fraction)</td>
<td>Not established</td>
</tr>
<tr>
<td>Calcium monocarbonate (471-34-1)</td>
<td>STELs</td>
<td>20 mg/m3 STEL (listed under Limestone)</td>
<td>20 mg/m3 STEL</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>TWAs</td>
<td>10 mg/m3 TWA (listed under Limestone)</td>
<td>30 mppcf TWA; 10 mg/m3 TWA [VME]</td>
<td>10 mg/m3 TWA</td>
<td>Not established</td>
<td>Not established</td>
</tr>
</tbody>
</table>

#### Exposure Limits/Guidelines (Con't.)

<table>
<thead>
<tr>
<th>Result</th>
<th>NIOSH</th>
<th>Portugal</th>
<th>United States - California</th>
<th>Venezuela</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium monocarbonate (471-34-1)</td>
<td>TWAs</td>
<td>10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)</td>
<td>10 mg/m3 TWA [VLE-MP] (particulate matter containing no Asbestos and &lt;1% Crystalline silica)</td>
<td>5 mg/m3 PEL (respirable fraction, listed under Particulates not otherwise regulated); 10 mg/m3 PEL (total dust, listed under Particulates not otherwise regulated)</td>
</tr>
</tbody>
</table>

**Exposure Control Notations**

**Egypt**
• Calcium monocarbonate (471-34-1): **Nuisance Dusts**: (10 mg/m3 TWA (containing <1% Quartz, total dust); 30 mppcf TWA (containing <1% Quartz, total dust); 3 mg/m3 TWA (containing <1% Quartz, inhalable dust))

**Germany DFG**
• Sulfonic acid, petroleum, calcium salt (61789-86-4): **Pregnancy**: (classification not yet possible (respirable fraction))
### 8.2 Exposure controls

**Engineering Measures/Controls**
- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Personal Protective Equipment**
- **Respiratory**
  - In case of insufficient ventilation, wear suitable respiratory equipment.

- **Eye/Face**
  - Wear protective eyewear (goggles, face shield, or safety glasses).

- **Skin/Body**
  - Polyvinyl alcohol or nitrile-butyl-rubber gloves. Wear long sleeves and/or protective coveralls.

**Environmental Exposure Controls**
- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

**Key to abbreviations**

- **MAK** = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration
- **NIOSH** = National Institute of Occupational Safety and Health
- **PEL** = Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA)
- **STEL** = Short Term Exposure Limits are based on 15-minute exposures
- **TWA** = Time-Weighted Averages are based on 8h/day, 40h/week exposures
- **TWAEV** = Time-Weighted Average Exposure Value

---

### Section 9 - Physical and Chemical Properties

#### 9.1 Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Physical Form</th>
<th>Appearance/Description</th>
<th>Grey semi-solid smooth paste with mild petroleum odor.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical Form</strong></td>
<td>Solid</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Grey</td>
<td>Odor</td>
<td>Mild, petroleum.</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>Data lacking</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**General Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Boiling Point</strong></td>
<td>Data lacking</td>
</tr>
<tr>
<td><strong>Decomposition Temperature</strong></td>
<td>Data lacking</td>
</tr>
<tr>
<td><strong>Specific Gravity/Relative Density</strong></td>
<td>Data lacking</td>
</tr>
<tr>
<td><strong>Water Solubility</strong></td>
<td>Negligible</td>
</tr>
<tr>
<td><strong>Explosive Properties</strong></td>
<td>Data lacking</td>
</tr>
<tr>
<td><strong>Melting Point/Freezing Point</strong></td>
<td>Data lacking</td>
</tr>
<tr>
<td><strong>Density</strong></td>
<td>0.95 to 1.05 g/mL</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Data lacking</td>
</tr>
<tr>
<td><strong>Oxidizing Properties</strong></td>
<td>Data lacking</td>
</tr>
</tbody>
</table>

**Volatile**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Vapor Pressure</strong></td>
<td>&lt; 0.0008 hPa @ 20 °C(68 °F)</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td>Data lacking</td>
</tr>
<tr>
<td><strong>Vapor Density</strong></td>
<td>Data lacking</td>
</tr>
</tbody>
</table>

**Flammability**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flash Point</strong></td>
<td>&gt; 180 °C(&gt; 356 °F) OC (Open Cup)</td>
</tr>
<tr>
<td><strong>UEL</strong></td>
<td>Data lacking</td>
</tr>
<tr>
<td><strong>LEL</strong></td>
<td>Data lacking</td>
</tr>
<tr>
<td><strong>Autoignition</strong></td>
<td>Data lacking</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Data lacking</td>
</tr>
</tbody>
</table>

**Environmental**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Octanol/Water Partition coefficient</strong></td>
<td>Data lacking</td>
</tr>
</tbody>
</table>

**9.2 Other Information**

- No additional physical and chemical parameters noted.
Section 10: Stability and Reactivity

10.1 Reactivity
- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability
- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions
- Hazardous polymerization will not occur.

10.4 Conditions to avoid
- No data available

10.5 Incompatible materials
- Oxidizing agents.

10.6 Hazardous decomposition products
- Carbon oxides; Sulphur oxides; Other hazardous decomposition products may be formed.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Components</th>
<th>Components</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium monocarbonate (10% TO 20%)</td>
<td>Calcium monocarbonate (10% TO 20%)</td>
</tr>
<tr>
<td>471-34-1</td>
<td>471-34-1</td>
</tr>
<tr>
<td>Acute Toxicity: Ingestion/Oral-Rat LD50 • 6450 mg/kg; Irritation: Eye-Rabbit • 750 µg 24 Hour(s) • Severe irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Moderate irritation; Multi-dose Toxicity: Ingestion/Oral-Woman TDLo • 4.08 g/kg 30 Day(s)-Intermittent; Vascular: BP elevation not characterized in autonomic section; Gastrointestinal: Changes in structure or function of endocrine pancreas; Biochemical: Metabolism (intermediary): Effect on inflammation or mediation of inflammation</td>
<td></td>
</tr>
<tr>
<td>Benzenesulfonic acid, dodecyl-, calcium salt (1% TO 3%)</td>
<td>Benzenesulfonic acid, dodecyl-, calcium salt (1% TO 3%)</td>
</tr>
<tr>
<td>26264-06-2</td>
<td>26264-06-2</td>
</tr>
<tr>
<td>Acute Toxicity: Ingestion/Oral-Rat LD50 • 1300 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Molybdenum sulfide (1% TO 5%)</td>
<td>Molybdenum sulfide (1% TO 5%)</td>
</tr>
<tr>
<td>1317-33-5</td>
<td>1317-33-5</td>
</tr>
<tr>
<td>Acute Toxicity: Ingestion/Oral-Rat LDLo • 6 g/kg; Behavioral: Food intake (animal); Gastrointestinal: Hypermotility, diarrhea; Gastrointestinal: Nausea or vomiting; Inhalation-Rat LC50 • &gt;2820 mg/m³ 4 Hour(s); Lungs, Thorax, or Respiration: Other changes; Skin-Rat LDLo • &gt;2 g/kg; Skin and Appendages: After systemic exposure: Dermatitis, other; Nutritional and Gross Metabolic: Gross Metabolite Changes: Weight loss or decreased weight gain</td>
<td></td>
</tr>
<tr>
<td>Sulfonic acid, petroleum, calcium salt (1% TO 5%)</td>
<td>Sulfonic acid, petroleum, calcium salt (1% TO 5%)</td>
</tr>
<tr>
<td>61789-86-4</td>
<td>61789-86-4</td>
</tr>
<tr>
<td>Acute Toxicity: Ingestion/Oral-Rat LD50 • &gt;5 g/kg; Gastrointestinal: Hypermotility, diarrhea; Skin-Rabbit LD50 • &gt;5 g/kg</td>
<td></td>
</tr>
</tbody>
</table>

GHS Properties

<table>
<thead>
<tr>
<th>Classification</th>
<th>EU/CLP</th>
<th>Data lacking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UN GHS 4</td>
<td>Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012</td>
<td>Data lacking</td>
</tr>
<tr>
<td></td>
<td>WHMIS 2015</td>
<td>Data lacking</td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EU/CLP</td>
<td>Skin Irritation 2</td>
</tr>
<tr>
<td></td>
<td>UN GHS 4</td>
<td>Skin Irritation 2</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012</td>
<td>Skin Irritation 2</td>
</tr>
<tr>
<td>Potential Health Effects</td>
<td>WHMIS 2015 • Skin Irritation 2</td>
<td></td>
</tr>
<tr>
<td>--------------------------</td>
<td>--------------------------------</td>
<td></td>
</tr>
</tbody>
</table>
| **Serious eye damage/Irritation** | EU/CLP • Eye Irritation 2  
UN GHS 4 • Eye Irritation 2  
OSHA HCS 2012 • Eye Irritation 2  
WHMIS 2015 • Eye Irritation 2 |
| Skin sensitization | EU/CLP • Data lacking  
UN GHS 4 • Data lacking  
OSHA HCS 2012 • Data lacking  
WHMIS 2015 • Data lacking |
| **Respiratory sensitization** | EU/CLP • Data lacking  
UN GHS 4 • Data lacking  
OSHA HCS 2012 • Data lacking  
WHMIS 2015 • Data lacking |
| Aspiration Hazard | EU/CLP • Data lacking  
UN GHS 4 • Data lacking  
OSHA HCS 2012 • Data lacking  
WHMIS 2015 • Data lacking |
| Carcinogenicity | EU/CLP • Data lacking  
UN GHS 4 • Data lacking  
OSHA HCS 2012 • Data lacking  
WHMIS 2015 • Data lacking |
| Germ Cell Mutagenicity | EU/CLP • Data lacking  
UN GHS 4 • Data lacking  
OSHA HCS 2012 • Data lacking  
WHMIS 2015 • Data lacking |
| Toxicity for Reproduction | EU/CLP • Data lacking  
UN GHS 4 • Data lacking  
OSHA HCS 2012 • Data lacking  
WHMIS 2015 • Data lacking |
| STOT-SE | EU/CLP • Data lacking  
UN GHS 4 • Data lacking  
OSHA HCS 2012 • Data lacking  
WHMIS 2015 • Data lacking |
| STOT-RE | EU/CLP • Data lacking  
UN GHS 4 • Data lacking  
OSHA HCS 2012 • Data lacking  
WHMIS 2015 • Data lacking |

**Potential Health Effects**

**Inhalation**
- **Acute (Immediate)**
  - Under normal conditions of use, no health effects are expected.
- **Chronic (Delayed)**
  - No data available

**Skin**
- **Acute (Immediate)**
  - Causes skin irritation.
- **Chronic (Delayed)**
  - No data available

**Eye**
- **Acute (Immediate)**
  - Causes serious eye irritation.
- **Chronic (Delayed)**
  - No data available
Ingestion

Acute (Immediate)  
- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)  
- No data available

Key to abbreviations

LD = Lethal Dose  
TD = Toxic Dose

Section 12 - Ecological Information

12.1 Toxicity
- Material data lacking.

12.2 Persistence and degradability
- Material data lacking.

12.3 Bioaccumulative potential
- Material data lacking.

12.4 Mobility in Soil
- Material data lacking.

12.5 Results of PBT and vPvB assessment
- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects
- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste  
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste  
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th></th>
<th>14.1 UN number</th>
<th>14.2 UN proper shipping name</th>
<th>14.3 Transport hazard class(es)</th>
<th>14.4 Packing group</th>
<th>14.5 Environmental hazards</th>
</tr>
</thead>
<tbody>
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<td>DOT</td>
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<td>Not Applicable</td>
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<td>Not Applicable</td>
<td>NDA</td>
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</table>

14.6 Special precautions for user
- None specified.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
- Data lacking.
### Section 15 - Regulatory Information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA Hazard Classifications**  -  Acute

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkylated Diphenylamine</td>
<td>36878-20-3</td>
<td>No</td>
</tr>
<tr>
<td>Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts</td>
<td>68584-23-6</td>
<td>No</td>
</tr>
<tr>
<td>Benzenesulfonic acid, dodecyl-, calcium salt</td>
<td>26264-06-2</td>
<td>Yes</td>
</tr>
<tr>
<td>Calcium alkylbenzene sulfonate</td>
<td>70024-69-0</td>
<td>No</td>
</tr>
<tr>
<td>Calcium monocarbonate</td>
<td>471-34-1</td>
<td>No</td>
</tr>
<tr>
<td>Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic</td>
<td>64741-88-4</td>
<td>No</td>
</tr>
<tr>
<td>Molybdenum sulfide</td>
<td>1317-33-5</td>
<td>No</td>
</tr>
<tr>
<td>Sulfonic acid, petroleum, calcium salt</td>
<td>61789-86-4</td>
<td>No</td>
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</table>

### Inventory

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<tr>
<th>Component</th>
<th>CAS</th>
<th>Australia AICS</th>
<th>Canada DSL</th>
<th>Canada NDSL</th>
<th>China</th>
<th>EU EINECS</th>
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<tbody>
<tr>
<td>Alkylated Diphenylamine</td>
<td>36878-20-3</td>
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<tr>
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<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Preparation Date: 07/August/2017
Revision Date: 07/August/2017
United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Sulfonylic acid, petroleum, calcium salt  61789-86-4  Not Listed
• Molybdenum sulfide  1317-33-5  Not Listed
• Calcium monocarbonate  471-34-1  Not Listed
• Calcium alkylbenzene sulfonate  70024-69-0  Not Listed
• Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts  68584-23-6  Not Listed
• Benzenesulfonic acid, dodecyl-, calcium salt  26264-06-2  Not Listed
• Alkylated Diphenylamine  36878-20-3  Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic  64741-88-4  Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Sulfonylic acid, petroleum, calcium salt  61789-86-4  Not Listed
• Molybdenum sulfide  1317-33-5  Not Listed
• Calcium monocarbonate  471-34-1  Not Listed
• Calcium alkylbenzene sulfonate  70024-69-0  Not Listed
• Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts  68584-23-6  Not Listed
• Benzenesulfonic acid, dodecyl-, calcium salt  26264-06-2  Not Listed
• Alkylated Diphenylamine  36878-20-3  Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic  64741-88-4  Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Sulfonylic acid, petroleum, calcium salt  61789-86-4  Not Listed
• Molybdenum sulfide  1317-33-5  Not Listed
• Calcium monocarbonate  471-34-1  Not Listed
• Calcium alkylbenzene sulfonate  70024-69-0  Not Listed
• Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts  68584-23-6  Not Listed
• Benzenesulfonic acid, dodecyl-, calcium salt  26264-06-2  Not Listed
Alkylated Diphenylamine
Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)
- Sulfonic acid, petroleum, calcium salt
- Molybdenum sulfide
- Calcium monocarbonate
- Calcium alkylbenzene sulfonate
- Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts
- Benzenesulfonic acid, dodecyl-, calcium salt
- Alkylated Diphenylamine
- Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic

U.S. - California - Proposition 65 - Reproductive Toxicity - Female
- Sulfonic acid, petroleum, calcium salt
- Molybdenum sulfide
- Calcium monocarbonate
- Calcium alkylbenzene sulfonate
- Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts
- Benzenesulfonic acid, dodecyl-, calcium salt
- Alkylated Diphenylamine
- Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic

U.S. - California - Proposition 65 - Reproductive Toxicity - Male
- Sulfonic acid, petroleum, calcium salt
- Molybdenum sulfide
- Calcium monocarbonate
- Calcium alkylbenzene sulfonate
- Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts
- Benzenesulfonic acid, dodecyl-, calcium salt
- Alkylated Diphenylamine
- Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic

15.2 Chemical Safety Assessment
- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Relevant Phrases (code & full text)
- H302 - Harmful if swallowed
- H350 - May cause cancer.

Revision Date
- 07/August/2017

Last Revision Date
- 07/August/2017

Preparation Date
- 07/August/2017

Disclaimer/Statement of Liability
- The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. 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.

Key to abbreviations
NDA = No Data Available