Safety Data Sheet

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

1.1 Product identifier

Product Name: SLIP Plate No. 1

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s): Dry film lubricant

1.3 Details of the supplier of the safety data sheet

Manufacturer: Southwestern Graphite
(Division of Asbury Carbons)
2564 Highway 12
DeQuincy, LA 70633
(337) 786-5905

Cummings Moore Graphite
(Division of Asbury Carbons)
1646 N. Green Avenue
Detroit, MI 48209
(313) 841-1615

1.4 Emergency telephone number

Manufacturer
US: 1-800-255-3924; International: +01-813-248-0585; China: 400-120-0751;
Brazil: 0-800-591-6042; India: 000-800-100-4086; Mexico: 01-800-099-0731
ChemTel contract number: MIS0001931 (collect calls accepted)

Section 2: Hazards Identification

EU/EEC
According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP
- Flammable Liquids 3 - H226
- Specific Target Organ Toxicity Repeated Exposure 1 - H372
- Aspiration 1 - H304

DSD/DPD
- Harmful (Xn)
- R10, R65

2.2 Label Elements

CLP

DANGER

Hazard statements:
- H226 - Flammable liquid and vapour
- H304 - May be fatal if swallowed and enters airways
- H372 - Causes damage to organs - Central Nervous System (CNS) through prolonged or repeated exposure
Precautionary statements

Prevention
- P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
- P233 - Keep container tightly closed.
- P240 - Ground and/or bond container and receiving equipment.
- P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 - Use only non-sparking tools.
- P243 - Take precautionary measures against static discharge.
- P260 - Do not breathe mist/vapours/spray.
- P264 - Wash thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response
- P370+P378 - In case of fire: Use appropriate media for extinction.
- P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P331 - Do NOT induce vomiting.
- P314 - Get medical advice/attention if you feel unwell.

Storage/Disposal
- P403+P235 - Store in a well-ventilated place. Keep cool.
- P405 - Store locked up.
- P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD

Risk phrases
- R10 - Flammable.
- R65 - Harmful: may cause lung damage if swallowed.

Safety phrases
- S53 - Avoid exposure - obtain special instructions before use.

2.3 Other Hazards

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

DSD/DPD
- According to European Directive 1999/45/EC this material is considered dangerous.

United States (US)
According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012
- Flammable Liquids 3
- Aspiration 1
- Eye Irritation 2
- Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
- Specific Target Organ Toxicity Repeated Exposure 2

2.2 Label elements

OSHA HCS 2012

DANGER

Hazard statements
- Flammable liquid and vapour
- May be fatal if swallowed and enters airways
- Causes serious eye irritation
- May cause drowsiness or dizziness
- May cause damage to organs through prolonged or repeated exposure.
Precautionary statements

Prevention
Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
Keep container tightly closed.
Ground and/or bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe mist/vapours/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
In case of fire: Use appropriate media for extinction.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Do NOT induce vomiting.
Get medical advice/attention if you feel unwell.

Response

Storage/Disposal
Store in a well-ventilated place. Keep container tightly closed.
Keep cool.
Store locked up.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards
OSHA HCS 2012

Canada
According to: WHMIS

2.1 Classification of the substance or mixture
WHMIS
Combustible Liquids - B3
Other Toxic Effects - D2A

2.2 Label elements
WHMIS
Combustible Liquids - B3
Other Toxic Effects - D2A

2.3 Other hazards
WHMIS
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 in accordance with Regulation (EC) No 1272/2008.

### 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>
<tbody>
<tr>
<td>Stoddard solvent</td>
<td>CAS:8052-41-3 EC Number:232-489-3 EU Index:649-345-00-4</td>
<td>&lt; 50%</td>
<td>Inhalation-Rat LC50 • &gt;1400 ppm 8 Hour(s)</td>
<td>EU DSD/DPD: Annex VI, Table 3.1: Carc. Cat. 2 R45 Muta. Cat. 2 R46 Xn R48/20-65 EU CLP: Annex VI, Table 3.1: Carc. 1B, H350; Muta. 1B, H340; STOT RE 1 (CNS), H372; Asp. Tox. 1, H304 OSHA HCS 2012: Flam. Liq. 3; Eye Irrit. 2; STOT RE 2 (Liver, Kidneys); STOT SE 3: Narc., Asp. Tox. 1</td>
<td>Contains &lt;0.1% benzene therefore mutagen and carcinogen classifications do not apply</td>
</tr>
<tr>
<td>Graphite</td>
<td>CAS:7782-42-5 EC Number:231-955-3</td>
<td>&lt; 40%</td>
<td>NDA</td>
<td>EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Comb. Dust</td>
<td>NDA</td>
</tr>
<tr>
<td>Quartz</td>
<td>CAS:14808-60-7 EC Number:238-878-4</td>
<td>&lt; 1%</td>
<td>NDA</td>
<td>EU DSD/DPD: Self Classified: T R48/20 Carc.Cat.1 R49 EU CLP: Self Classified: STOT RE 1 (Lungs, Inhl), H372; Carc. 1A, H350 OSHA HCS 2012: STOT RE 1 (Lungs, Inhl); Carc. 1A</td>
<td>NDA</td>
</tr>
</tbody>
</table>

### Section 4 - First Aid Measures

#### 4.1 Description of first aid measures

**Inhalation**
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention if symptoms occur.

**Skin**
- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Wash skin with soap and water. Remove clothing and wash thoroughly before use.

**Eye**
- 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.

**Ingestion**
- Do NOT induce vomiting. Get medical attention.

#### 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**
- LARGE FIRES: Water spray, fog or alcohol-resistant foam.
- SMALL FIRES: Dry chemical, CO2, water spray or alcohol-resistant foam.

Preparation Date: 25/March/2015
Revision Date: 06/26/2017
Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions
- Ensure adequate ventilation to remove vapors, fumes, dust etc. Do not walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Contaminated clothing may be a fire risk when dry.

Emergency Procedures
- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet) ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

6.2 Environmental precautions
- Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures
- Stop leak if you can do it without risk.
- Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
- Use clean non-sparking tools to collect absorbed material.
- A vapor suppressing foam may be used to reduce vapors.
- All equipment used when handling the product must be grounded.
- LARGE SPILLS: Dike far ahead of liquid spill for later disposal.
- LARGE SPILLS: Water spray may reduce vapor; but may not prevent ignition in closed spaces.
- Clean up area with absorbent material and place in closed containers for disposal.

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
- All equipment used when handling the product must be grounded. Keep away from fire.
- No Smoking. Keep away from heat and sparks. Do not use sparking tools. Take
precautionary measures against static charges. Use only in well ventilated areas. Avoid contact with eyes, skin and clothing. Wear appropriate personal protective equipment, avoid direct contact. 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  
Store in a well-ventilated place. Keep container tightly closed. Do not store above 120 F. Store locked up.

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>ACGIH</th>
<th>NIOSH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWAs (respirable fraction)</td>
<td>0.025 mg/m3 TWA</td>
<td>0.05 mg/m3 TWA (respirable dust)</td>
<td>Not established</td>
</tr>
<tr>
<td>TWAs (all forms except graphite fibers, respirable fraction)</td>
<td>2 mg/m3 TWA</td>
<td>2.5 mg/m3 TWA (natural, respirable dust)</td>
<td>15 mg/m3 TWA (synthetic, total dust); 5 mg/m3 TWA (synthetic, respirable fraction)</td>
</tr>
<tr>
<td>TWAs</td>
<td>100 ppm TWA</td>
<td>350 mg/m3 TWA</td>
<td>500 ppm TWA; 2900 mg/m3 TWA</td>
</tr>
<tr>
<td>Ceiling (respirable fraction)</td>
<td>Not established</td>
<td>1800 mg/m3 Ceiling (15 min)</td>
<td>Not established</td>
</tr>
</tbody>
</table>

#### 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**

- Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

**Eye/Face**

- Wear chemical splash safety goggles.

**Skin/Body**

- Wear protective clothing and gloves.

**Environmental Exposure Controls**

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

**Key to abbreviations**

ACGIH = American Conference of Governmental Industrial Hygiene  
NIOSH = National Institute of Occupational Safety and Health  
OSHA = Occupational Safety and Health Administration  
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

---

### Section 9 - Physical and Chemical Properties

#### 9.1 Information on Physical and Chemical Properties
Material Description

<table>
<thead>
<tr>
<th>Physical Form</th>
<th>Liquid</th>
<th>Appearance/Description</th>
<th>Black/gray liquid with a petroleum solvent odor.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Black-gray</td>
<td>Odor</td>
<td>Petroleum solvent.</td>
</tr>
<tr>
<td>Odor Threshold</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>Boiling Point</td>
<td>152 to 176 °C (305.6 to 348.8 °F)</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Data lacking</td>
</tr>
<tr>
<td>Specific Gravity/Relative Density</td>
<td>1.08</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Data lacking</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Data lacking</td>
</tr>
<tr>
<td>pH</td>
<td>Data lacking</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Negligible</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Data lacking</td>
</tr>
<tr>
<td>Data lacking</td>
<td></td>
</tr>
</tbody>
</table>

**Volutility**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure</td>
<td>2 mmHg (torr) @ 20°C(68°F)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>0.2 n-Butyl Acetate = 1</td>
</tr>
</tbody>
</table>

**Flammability**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>40.6 °C(105.08°F)</td>
</tr>
<tr>
<td>LEL</td>
<td>0.9 %</td>
</tr>
<tr>
<td>UEL</td>
<td>Autoignition</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not relevant</td>
</tr>
</tbody>
</table>

**Environmental**

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


10.5 Incompatible materials

- Strong oxidizing agents, acids, and alkalis.

10.6 Hazardous decomposition products

- On burning may release carbon dioxide and carbon monoxide.

**Section 11 - Toxicological Information**

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Components</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-dose Toxicity: Inhalation-Hamster TCL0 • 3 mg/m³ 6 Hour(s) 78 Week(s)-Intermittent; Lungs, Thorax, or Respiration; Fibrosis (interstitial); Lungs, Thorax, or Respiration; Changes in lung weight; Inhalation-Rat TCL0 • 80 mg/m³ 26 Week(s)-Intermittent; Lungs, Thorax, or Respiration; Fibrosis, focal (pneumoconiosis); Blood; Changes in spleen; Immunological Including Allergic; Decrease in cellular immune response.</td>
</tr>
</tbody>
</table>
### Potential Health Effects

**Inhalation**
- **Acute (Immediate)**: May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.
- **Chronic (Delayed)**: No data available

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

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

**Ingestion**
- **Acute (Immediate)**: May cause gastrointestinal disturbances including diarrhea, nausea, and vomiting. Small amounts aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary edema, a possibly fatal condition.
- **Chronic (Delayed)**: No data available

---

### GHS Properties

<table>
<thead>
<tr>
<th>Classification</th>
<th>Tumorigen / Carcinogen: Inhalation-Rat TCLo • 50 mg/m³ 6 Hour(s) 71 Week(s)-Intermittent; Tumorigenic/Carcinogenic by RTECS criteria. Liver:Tumors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoddard solvent (&lt; 50%)</td>
<td>8052-41-3</td>
</tr>
</tbody>
</table>

### Acute Toxicity
- **Inhalation-Rat LC50**: >1400 ppm 8 Hour(s); **Irritation**: Eye-Rabbit • 500 mg 24 Hour(s) • Moderate irritation;

### Multi-dose Toxicity
- **Inhalation-Rat TCLo**: 330 ppm 65 Day(s)-Intermittent; **Kidney, Ureter, and Bladder**: Changes in tubules (including acute renal failure, acute tubular necrosis); Blood: Other changes

### GHS Properties Classification

<table>
<thead>
<tr>
<th>Property</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>EU/CLP: Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Data lacking</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>EU/CLP: Aspiration 1</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Aspiration 1</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>EU/CLP: Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Data lacking</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>EU/CLP: Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Data lacking</td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td>EU/CLP: Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Data lacking</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>EU/CLP: Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Data lacking</td>
</tr>
<tr>
<td>STOT-RE</td>
<td>EU/CLP: Specific Target Organ Toxicity Repeated Exposure 1</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Specific Target Organ Toxicity Repeated Exposure 2</td>
</tr>
<tr>
<td>STOT-SE</td>
<td>EU/CLP: Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects</td>
</tr>
<tr>
<td>Toxicity for Reproduction</td>
<td>EU/CLP: Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Data lacking</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>EU/CLP: Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Data lacking</td>
</tr>
<tr>
<td>Serious eye damage/Irritation</td>
<td>EU/CLP: Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Eye Irritation 2</td>
</tr>
</tbody>
</table>
Other

Chronic (Delayed) Repeated and prolonged exposure may affect the kidneys. Symptoms may include but are not limited to weight loss, nausea, swelling of the arms and legs, vomiting, fatigue, headaches, decreased urine or urine that is mostly water, decreased mental sharpness, and muscle cramps and shakes. Repeated and prolonged exposure may affect the liver. Symptoms may include yellowing of the skin (jaundice), intense fatigue, loss of appetite, nausea, vomiting, and confusion. Repeated and prolonged exposure may affect the central nervous system.

Carcinogenic Effects This product contains crystalline silica as quartz. Crystalline Silica is classified as a Known Carcinogen according to NTP. IARC Monographs on Evaluation of Carcinogenic Risk of Chemicals to Humans (Monograph 68, 1997) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to humans (IARC Group I).

<table>
<thead>
<tr>
<th>Carcinogenic Effects</th>
<th>CAS</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>Group 1-Carcinogenic</td>
<td>Known Human Carcinogen</td>
</tr>
</tbody>
</table>

Key to abbreviations
LC = Lethal Concentration
TC = Toxic Concentration

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 PBT and vPvB assessment has not been conducted for this material.

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
### 14.1 UN number

<table>
<thead>
<tr>
<th>DOT</th>
<th>NDA</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG</td>
<td>UN1993</td>
</tr>
<tr>
<td>IMO/IMDG</td>
<td>UN1993</td>
</tr>
<tr>
<td>IATA/ICAO</td>
<td>UN1993</td>
</tr>
</tbody>
</table>

### 14.2 UN proper shipping name

- FLAMMABLE LIQUID, N.O.S. (Contains mineral spirits)
- Flammable liquid, N.O.S. (Contains mineral spirits)

### 14.3 Transport hazard class(es)

- 3

### 14.4 Packing group

- NDA

### 14.5 Environmental hazards

- NDA

### 14.6 Special precautions for user

None specified.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Data lacking.

**Note**: Non-Hazardous due to combustible liquid exception 173.150(f)

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

#### SARA Hazard Classifications

- Acute, Chronic, Fire

#### Inventory

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Canada DSL</th>
<th>Canada NDSL</th>
<th>EU EINECS</th>
<th>EU ELNICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graphite</td>
<td>7782-42-5</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Stoddard solvent</td>
<td>8052-41-3</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

#### Canada

**Labor**

- **Canada - WHMIS - Classifications of Substances**
  - Stoddard solvent: 8052-41-3
    - B3, D2B
    - D2A (in certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Silica, crystalline, encapsulated on Health Canada's WHMIS Division website.)
  - Quartz: 14808-60-7
  - Graphite: 7782-42-5
    - D2A (natural); D2B (synthetic)

- **Canada - WHMIS - Ingredient Disclosure List**
  - Stoddard solvent: 8052-41-3
    - 1%
  - Quartz: 14808-60-7
    - 1%
  - Graphite: 7782-42-5
    - Not Listed

#### Environment

- **Canada - CEPA - Priority Substances List**
  - Stoddard solvent: 8052-41-3
    - Not Listed
  - Quartz: 14808-60-7
    - Not Listed
<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graphite</td>
<td>7782-42-5</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

### Europe

#### Other

**EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2011/65/EU) (RoHS)**

<table>
<thead>
<tr>
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</thead>
<tbody>
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</table>

### Japan

#### Environment

**Inventory - Japan - Industrial Safety and Health Law Substances (ISHL)**

<table>
<thead>
<tr>
<th>Substance</th>
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<tbody>
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#### Other

**Japan - Chemical Substance Control Law (CSCL) - Monitoring Chemical Substances**

<table>
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**Japan - Poisonous and Deleterious Substances - Substances Not Considered Deleterious**

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<td>Graphite</td>
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**Japan - Poisonous and Deleterious Substances - Substances Not Considered Poisonous**

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### United States

#### Labor

**U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

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</table>

**U.S. - OSHA - Specifically Regulated Chemicals**

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#### Environment

**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

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**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>Stoddard solvent</td>
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</tr>
</tbody>
</table>
• Quartz 14808-60-7 Not Listed
• Graphite 7782-42-5 Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities
• Stoddard solvent 8052-41-3 Not Listed
• Quartz 14808-60-7 Not Listed
• Graphite 7782-42-5 Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs
• Stoddard solvent 8052-41-3 Not Listed
• Quartz 14808-60-7 Not Listed
• Graphite 7782-42-5 Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs
• Stoddard solvent 8052-41-3 Not Listed
• Quartz 14808-60-7 Not Listed
• Graphite 7782-42-5 Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting
• Stoddard solvent 8052-41-3 Not Listed
• Quartz 14808-60-7 Not Listed
• Graphite 7782-42-5 Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing
• Stoddard solvent 8052-41-3 Not Listed
• Quartz 14808-60-7 Not Listed
• Graphite 7782-42-5 Not Listed

United States - California

Environment
U.S. - California - Proposition 65 - Carcinogens List
• Stoddard solvent 8052-41-3 Not Listed
carcinogen, initial date 10/1/88
• Quartz 14808-60-7 Not Listed
(airborne particles of
• Graphite 7782-42-5 Not Listed
respirable size)

U.S. - California - Proposition 65 - Developmental Toxicity
• Stoddard solvent 8052-41-3 Not Listed
• Quartz 14808-60-7 Not Listed
• Graphite 7782-42-5 Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)
• Stoddard solvent 8052-41-3 Not Listed
• Quartz 14808-60-7 Not Listed
• Graphite 7782-42-5 Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)
• Stoddard solvent 8052-41-3 Not Listed
• Quartz 14808-60-7 Not Listed
• Graphite 7782-42-5 Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female
• Stoddard solvent 8052-41-3 Not Listed
15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

15.3 Other Information

WARNING: This product contains a chemical known to the State of California to cause cancer.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H340 - May cause genetic defects.
- H350 - May cause cancer.
- H372 - Causes damage to organs through prolonged or repeated exposure.
- R45 - May cause cancer.
- R46 - May cause heritable genetic damage.
- R49 - May cause cancer by inhalation.

Last Revision Date: 25/March/2015
Preparation Date: 06/26/2017

Disclaimer/Statement of Liability

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