Safety Data Sheet

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

1.1 Product identifier
Product Name: MowerGUARD Aerosol
Product Code:

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

1.4 Emergency telephone number
Manufacturer

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

<table>
<thead>
<tr>
<th>CLP</th>
<th>DSD/DPD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable Aerosols 1 - H222</td>
<td>Extremely Flammable (F+)</td>
</tr>
<tr>
<td>Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336 EUH066</td>
<td>Irritant (Xi)</td>
</tr>
<tr>
<td>R12, R36, R66, R67</td>
<td>R12, R36, R66, R67</td>
</tr>
</tbody>
</table>

2.2 Label Elements

CLP

DANGER

Hazard statements

H222 - Extremely flammable aerosol
H336 - May cause drowsiness or dizziness
Precautionary statements

EUH066 - Repeated exposure may cause skin dryness or cracking.

Prevention
- P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
- P211 - Do not spray on an open flame or other ignition source.
- P251 - Pressurized container: Do not pierce or burn, even after use.
- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
- P271 - Use only outdoors or in a well-ventilated area.

Response
- P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

Storage/Disposal
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
- P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50ºC/122ºF.
- 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
- R12 - Extremely flammable.
- R36 - Irritating to eyes.
- R66 - Repeated exposure may cause skin dryness or cracking.
- R67 - Vapours may cause drowsiness and dizziness.

Safety phrases
- S9 - Keep container in a well ventilated place.
- S16 - Keep away from sources of ignition - No Smoking.
- S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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 Aerosols 1
- Eye Irritation 2
- Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
- Germ Cell Mutagenicity 1B
- Reproductive Toxicity 2

2.2 Label elements

OSHA HCS 2012

DANGER

Hazard statements
- Extremely flammable aerosol
- Causes serious eye irritation
- May cause drowsiness or dizziness
- May cause genetic defects.
- Suspected of damaging fertility or the unborn child.

Precautionary statements

Prevention
- Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Response
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 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 exposed or concerned: Get medical advice/attention.

Storage/Disposal
Store in a well-ventilated place. Keep container tightly closed.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
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
Flammable Aerosols - B5
Other Toxic Effects - D2A
Other Toxic Effects - D2B

2.2 Label elements
WHMIS
Flammable Aerosols - B5
Other Toxic Effects - D2A
Other Toxic Effects - D2B

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>Acetone</td>
<td>CAS:67-64-1 EC Number:200-662-2 EU Index:606-001-00-8</td>
<td>&lt; 45%</td>
<td>Inhalation-Rat LC50 • 50100 mg/m² 8 Hour(s) Ingestion/Oral-Rat LD50 • 5800 mg/kg</td>
<td>EU DSD/DPD: Annex VI, Table 3.2: F; R11 Xi; R36 R66 R67 EU CLP: Annex VI, Table 3.1: Flam. Liq. 2, H226; Eye Irrit. 2, H319; STOT SE 3, H336; EUH066 OSHA HCS 2012: Flam. Liq. 2; Eye Irrit. 2; STOT SE 3: Narc.</td>
<td>NDA</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated light</td>
<td>CAS:64742-49-0 EC Number:265-151-9 EU Index:649-328-00-1</td>
<td>10% TO 30%</td>
<td>NDA</td>
<td>EU DSD/DPD: Annex VI, Table 3.2: Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65 EU CLP: Annex VI, Table 3.1: Carc. 1B, H350; Muta. 1B, H340; Asp. Tox. 1, H304 OSHA HCS 2012: Not Classified</td>
<td>Contains &lt;0.1% benzene therefore carcinogen and mutagen classifications do not apply.</td>
</tr>
<tr>
<td>Graphite</td>
<td>CAS:7782-42-5 EC Number:231-955-3</td>
<td>10% TO 25%</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>Toluene</td>
<td>CAS:108-88-3 EC Number:203-625-9 EU Index:601-021-00-3</td>
<td>2.4%</td>
<td>Ingestion/Oral-Rat LD50 • 636 mg/kg Inhalation-Rat LC50 • 49 g/m³ 4 Hour(s) Skin-Rabbit LD50 • 14100 μL/kg</td>
<td>EU DSD/DPD: Annex VI, Table 3.2: F; R11 Xi; R36 Xn; R48/20-65 Repr. Cat.3; R63 R67 EU CLP: Annex VI, Table 3.1: Flam. Liq. 2, H225, Skin Irrit. 2, H315; Repr. 2, H361d; STOT SE 3: Narc., H336; STOT RE 2, H373; Asp. Tox. 1, H304 OSHA HCS 2012: Flam. Liq. 2; Acute Tox. 4 (Oral); Skin Irrit. 2; Eye Irrit. 2; Muta. 1B; Repr. 2; STOT SE 3: Narc.; STOT RE 1 (CNS/Inhl); Asp. Tox. 1</td>
<td>NDA</td>
</tr>
<tr>
<td>Quartz</td>
<td>CAS:14808-60-7 EC Number:238-878-4</td>
<td>&lt; 0.1%</td>
<td>NDA</td>
<td>EU CLP: Community workplace exposure limit OSHA HCS 2012: Exposure limit(s)</td>
<td>NDA</td>
</tr>
</tbody>
</table>

See Section 16 for full text of H-statements and R-phrases.

### Section 4 - First Aid Measures

#### 4.1 Description of first aid measures

**Inhalation**
- Move person to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

**Skin**
- Wash skin with soap and water. Wash contaminated clothing before reuse. Get medical attention immediately 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**
- If swallowed, 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 FIRE: Water spray, fog or regular foam.
- SMALL FIRES: Dry chemical, CO2, water spray or regular foam.

Unsuitable Extinguishing Media
No data available

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards
- Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents.
- Vapors may travel to source of ignition and flash back.
- Vapors may form explosive mixtures with air.
- Overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Hazardous Combustion Products
- On burning, may release carbon dioxide and carbon monoxide.

5.3 Advice for firefighters

Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.
- Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.
- Wear positive pressure self-contained breathing apparatus (SCBA).
- Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions
- Ventilate enclosed areas. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures
- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering. Keep out of low areas.

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
- 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

- Keep away from heat and ignition sources – No Smoking. Take precautionary measures against static charges. All equipment used when handling the product must be grounded. Do not puncture or incinerate (burn) cans. Do not stick a pin, nail or any other sharp object into opening on top of can. Use only with adequate ventilation. Use good safety and industrial hygiene practices. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe (dust, vapor or spray mist) Avoid contact with eyes, skin and clothing. Do not use near ignition sources such as sparks or open flames. Do not cut, drill or weld on containers. Even empty containers may contain residue that will support a flame or explode when exposed to a spark, flame or other source of ignition. Do not eat, drink or smoke when using this product. After handling wash hands thoroughly.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Store in a cool, dry, well-ventilated place. Keep away from heat, sparks, and flame. Do not store at temperatures >120°F

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>Exposure Limits/Guidelines</th>
<th>Result</th>
<th>ACGIH</th>
<th>Europe</th>
<th>NIOSH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (14808-60-7)</td>
<td>TWAs</td>
<td>0.025 mg/m³ TWA (respirable fraction)</td>
<td>Not established</td>
<td>0.05 mg/m³ TWA (respirable dust)</td>
<td>Not established</td>
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<tr>
<td>Toluene (108-88-3)</td>
<td>STELs</td>
<td>Not established</td>
<td>100 ppm STEL; 384 mg/m³ STEL</td>
<td>150 ppm STEL; 560 mg/m³ STEL</td>
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<td></td>
<td>TWAs</td>
<td>20 ppm TWA</td>
<td>50 ppm TWA; 192 mg/m³ TWA; 100 ppm TWA; 375 mg/m³ TWA</td>
<td>200 ppm TWA</td>
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<td>Ceilings</td>
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<td>Not established</td>
<td>300 ppm Ceiling</td>
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<tr>
<td>Graphite (7782-42-5)</td>
<td>TWAs</td>
<td>2 mg/m³ TWA (all forms except graphite fibers, respirable fraction)</td>
<td>Not established</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>Propane (74-98-6)</td>
<td>TWAs</td>
<td>1000 ppm TWA (listed under Aliphatic hydrocarbon gases: Alkane C1-4)</td>
<td>Not established</td>
<td>1000 ppm TWA; 1800 mg/m³ TWA</td>
<td>1000 ppm TWA; 1800 mg/m³ TWA</td>
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<tr>
<td>Acetone (67-64-1)</td>
<td>TWAs</td>
<td>500 ppm TWA</td>
<td>Not established</td>
<td>250 ppm TWA; 590 mg/m³ TWA</td>
<td>1000 ppm TWA; 2400 mg/m³ TWA</td>
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<td></td>
<td>STELs</td>
<td>750 ppm STEL</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
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</tbody>
</table>

Exposure Limits Supplemental

OSHA
- Graphite (7782-42-5): Mineral Dusts: (15 mppcf TWA (natural))
- Quartz (14808-60-7): Mineral Dusts: (30)/(%SiO₂ + 2) mg/m³ TWA, total dust; (250)/(%SiO₂ + 5) mppcf TWA, respirable fraction: (10)/(%SiO₂ + 2) mg/m³ TWA, 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

- 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 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. Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limits are based on 15-minute exposures

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

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Physical Form</th>
<th>Appearance/Description</th>
<th>Odor Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Aerosol</td>
<td>Aerosol with a solvent odor.</td>
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<tr>
<td>Color</td>
<td>Data lacking</td>
<td>Odor</td>
<td>Solvent</td>
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<td>Odor Threshold</td>
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<tr>
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<th>Boiling Point</th>
<th>Melting Point</th>
<th>pH</th>
<th>Water Solubility</th>
<th>Slightly Soluble</th>
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<tbody>
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<table>
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<tr>
<th>Specific Gravity/Relative Density</th>
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<table>
<thead>
<tr>
<th>Viscosity</th>
<th>Explosive Properties</th>
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<th>Vapor Pressure</th>
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<th>Evaporation Rate</th>
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<th>Flammability</th>
<th>Flash Point</th>
<th>UEL</th>
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<th>LEL</th>
<th>Autoignition</th>
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<tr>
<td>Data lacking</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Flammability (solid, gas)</th>
<th>Data lacking</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Environmental</th>
<th>Octanol/Water Partition coefficient</th>
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<td></td>
<td></td>
<td></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

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Heat, sparks, open flames. Incompatible materials.

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

| Components | Toluene (2.4%) | Acute Toxicity: Ingestion/Oral-Rat LD50 • 636 mg/kg; Inhalation-Rat LC50 • 49 g/m³ 4 Hour(s); Inhalation-Human TCIo • 1500 mg/m³ 8 Hour(s); Sense Organs and Special Senses:EyeLacrimation; Sense Organs and Special Senses:EyeConjunctive irritation; BehavioralAtaxia; Inhalation-Human TCIo • 200 ppm; Brain and Coverings:Recordings from specific areas of CNS: BehavioralAntipsychotic; Blood:Changes in bone marrow not included above; Inhalation-Man TCIo • 50 ppm; Kidney, Ureter, and Bladder:Other changes in urine composition, Skin-Rabbit LD50 • 14100 µL/kg; Multi-dose Toxicity: Inhalation-Mouse TCIo • 250 ppm 4 Day(s)-Continuous; Behavioral/Convolusions or effect on seizure threshold. Behavioral/Abuse; Inhalation-Mouse TCIo • 50 ppm 12 Week(s)-Intermittent; Brain and Coverings:Other degenerative changes; Inhalation-Rat TCIo • 10 ppm 6 Hour(s) 13 Week(s)-Intermittent; Brain and Coverings:Other degenerative changes; Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels:Multiple enzyme effects; Mutagen: Micronucleus test • Ingestion/Oral-Mouse • 200 mg/kg; Sister chromatid exchange • Inhalation-Human • 252 µg/L 19 Year(s); Cytogenetic analysis • Inhalation-Rat • 5400 µg/m³ 16 Week(s)-Intermittent; Reproductive: Inhalation-Mouse TCIo • 500 mg/m³ 24 Hour(s)(6-13D preg); Reproductive Effects:Effects on Embryo or Fetus:Fetotoxicity (except death, e.g., stunted fetus); Inhalation-Mouse TCIo • 200 ppm 7 Hour(s)(7-16D preg); Reproductive Effects:Specific Developmental Abnormalities:Urogenital system

| | Acetone (< 45%) | Acute Toxicity: Ingestion/Oral-Rat LD50 • 5800 mg/kg; Inhalation-Rat LC50 • 50100 mg/m³; Irritation: Eye-Rabbit • 20 mg • Severe irritation; Skin-Rabbit • 395 mg/Open • Mild irritation; Reproductive: Inhalation-TCIo • 11000 ppm (6-19D preg); Reproductive Effects:Specific Developmental Abnormalities:Other developmental abnormalities |

#### GHS Properties

<table>
<thead>
<tr>
<th>GHS Properties</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>EU/CLP • Data lacking</td>
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<tr>
<td>Aspiration Hazard</td>
<td>EU/CLP • Data lacking</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>EU/CLP • Data lacking</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>EU/CLP • Data lacking</td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td>EU/CLP • Data lacking</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Classification</th>
<th></th>
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<tbody>
<tr>
<td>OSHA HCS 2012</td>
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<tr>
<td>OSHA HCS 2012</td>
<td>Data lacking</td>
</tr>
<tr>
<td>OSHA HCS 2012</td>
<td>Germ Cell Mutagenicity 1B</td>
</tr>
<tr>
<td>OSHA HCS 2012</td>
<td>Data lacking</td>
</tr>
<tr>
<td>OSHA HCS 2012</td>
<td>Data lacking</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)**  
Repeated and prolonged inhalation may result in impaired lung function.

### Skin

**Acute (Immediate)**  
May cause mild irritation.

**Chronic (Delayed)**  
Contact may dry the skin. Prolonged contact may cause irritation. Solvent action can dry and defat the skin causing skin to crack, leading to dermatitis.

### 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

### Mutagenic Effects

Repeated and prolonged exposure may cause mutagenic effects.

### Carcinogenic Effects

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

### Reproductive Effects

Animal tests show that Toluene possibly causes toxicity to human reproduction or development.

### Key to abbreviations

- **LC** = Lethal Concentration
- **LD** = Lethal Dose
- **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

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>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>
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<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 73/78 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, Chronic, Fire, Pressure(Sudden Release of)

<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>
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<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td>Graphite</td>
<td>7782-42-5</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>Naphtha</td>
<td>64742-49-0</td>
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<td>No</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>(petroleum), hydrotreated light</td>
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<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>
Canada Labor

Canada - WHMIS - Classifications of Substances
- Naphtha (petroleum), hydrotreated light 64742-49-0 Not Listed
- Acetone 67-64-1 B2, D2B
- Propane 74-98-6 A, B1
- Toluene 108-88-3 B2, D2A, 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
- Naphtha (petroleum), hydrotreated light 64742-49-0 Not Listed
- Acetone 67-64-1 1 %
- Propane 74-98-6 Not Listed
- Toluene 108-88-3 1 %
- Quartz 14808-60-7 1 %
- Graphite 7782-42-5 Not Listed

Environment

Canada - CEPA - Priority Substances List
- Naphtha (petroleum), hydrotreated light 64742-49-0 Not Listed
- Acetone 67-64-1 Not Listed
- Propane 74-98-6 Not Listed
- Toluene 108-88-3 Priority Substance List 1 (substance not considered toxic)
- Quartz 14808-60-7 Not Listed
- Graphite 7782-42-5 Not Listed

Europe

Other

EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2011/65/EU) (RoHS)
- Naphtha (petroleum), hydrotreated light 64742-49-0 Not Listed
- Acetone 67-64-1 Not Listed
- Propane 74-98-6 Not Listed
- Toluene 108-88-3 Not Listed
- Quartz 14808-60-7 Not Listed
- Graphite 7782-42-5 Not Listed

Japan

Environment

Inventory - Japan - Industrial Safety and Health Law Substances (ISHL)
- Naphtha (petroleum), hydrotreated light 64742-49-0 Not Listed
### United States

#### Labor

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

- Naphtha (petroleum), hydrotreated light: 64742-49-0, Not Listed
- Acetone: 67-64-1, Not Listed
- Propane: 74-98-6, Not Listed
- Toluene: 108-88-3, Not Listed
- Quartz: 14808-60-7, Not Listed
- Graphite: 7782-42-5, Not Listed

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

- Naphtha (petroleum), hydrotreated light: 64742-49-0, Not Listed
- Acetone: 67-64-1, Not Listed
- Propane: 74-98-6, Not Listed
- Toluene: 108-88-3, Not Listed
- Quartz: 14808-60-7, Not Listed
- Graphite: 7782-42-5, Not Listed

#### Environment

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

- Naphtha (petroleum), hydrotreated light: 64742-49-0, Not Listed
- Acetone: 67-64-1, Not Listed

---

### Other

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

- Naphtha (petroleum), hydrotreated light: 64742-49-0, Not Listed
- Acetone: 67-64-1, Not Listed
- Propane: 74-98-6, Not Listed
- Toluene: 108-88-3, Not Listed
- Quartz: 14808-60-7, Not Listed
- Graphite: 7782-42-5, Not Listed

**Japan - Poisonous and Deleterious Substances - Substances Not Considered Deleterious**

- Naphtha (petroleum), hydrotreated light: 64742-49-0, Not Listed
- Acetone: 67-64-1, Not Listed
- Propane: 74-98-6, Not Listed
- Toluene: 108-88-3, Not Listed
- Quartz: 14808-60-7, Not Listed
- Graphite: 7782-42-5, Not Listed

**Japan - Poisonous and Deleterious Substances - Substances Not Considered Poisonous**

- Naphtha (petroleum), hydrotreated light: 64742-49-0, Not Listed
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---

**Date:** 06/22/17

**Revision Date:** 06/22/17

**Format:** EU CLP/REACH Language: English (US)

**WHMIS, EU CLP, EU DSD/DPD, OSHA HCS 2012**
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<tr>
<th>Substance</th>
<th>EPCRA/TPQs</th>
<th>RQs</th>
<th>Concentration</th>
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<tr>
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### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

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## U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

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## U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

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## U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

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## U.S. - CERCLA/SARA - Section 313 - Emission Reporting

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## U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

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<td>Toluene</td>
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<td>Quartz</td>
<td>14808-60-7</td>
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<td>Graphite</td>
<td>7782-42-5</td>
<td>Not</td>
<td></td>
</tr>
</tbody>
</table>
### United States - California

#### Environment

**U.S. - California - Proposition 65 - Carcinogens List**
- Naphtha (petroleum), hydrotreated light: 64742-49-0 Not Listed
- Acetone: 67-64-1 Not Listed
- Propane: 74-98-6 Not Listed
- Toluene: 108-88-3 Not Listed
- Quartz: 14808-60-7 Not Listed
- Graphite: 7782-42-5 Not Listed

**U.S. - California - Proposition 65 - Developmental Toxicity**
- Naphtha (petroleum), hydrotreated light: 64742-49-0 Not Listed
- Acetone: 67-64-1 Not Listed
- Propane: 74-98-6 Not Listed
- Toluene: 108-88-3 Not Listed
developmental toxicity, initial date 1/1/91
- Quartz: 14808-60-7 Not Listed
- Graphite: 7782-42-5 Not Listed

**U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)**
- Naphtha (petroleum), hydrotreated light: 64742-49-0 Not Listed
- Acetone: 67-64-1 Not Listed
- Propane: 74-98-6 Not Listed
- Toluene: 108-88-3 7000 µg/day MADL (level represents absorbed dose)
- Quartz: 14808-60-7 Not Listed
- Graphite: 7782-42-5 Not Listed

**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**
- Naphtha (petroleum), hydrotreated light: 64742-49-0 Not Listed
- Acetone: 67-64-1 Not Listed
- Propane: 74-98-6 Not Listed
- Toluene: 108-88-3 Not Listed
- Quartz: 14808-60-7 Not Listed
- Graphite: 7782-42-5 Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Female**
- Naphtha (petroleum), hydrotreated light: 64742-49-0 Not Listed
- Acetone: 67-64-1 Not Listed
- Propane: 74-98-6 Not Listed
- Toluene: 108-88-3 female reproductive toxicity, initial date 8/7/09
- Quartz: 14808-60-7 Not Listed
- Graphite: 7782-42-5 Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**
- Naphtha (petroleum), hydrotreated light: 64742-49-0 Not Listed
- Acetone: 67-64-1 Not Listed
- Propane: 74-98-6 Not Listed
- Toluene: 108-88-3 Not Listed
- Quartz: 14808-60-7 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, birth defects or other reproductive harm.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H220 - Extremely flammable gas
- H225 - Highly flammable liquid and vapour
- H226 - Flammable liquid and vapour
- H280 - Contains gas under pressure; may explode if heated
- H304 - May be fatal if swallowed and enters airways
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H340 - May cause genetic defects.
- H350 - May cause cancer.
- H361d - Suspected of damaging the unborn child.
- H373 - May cause damage to organs through prolonged or repeated exposure.
- R11 - Highly flammable.
- R38 - Irritating to skin.
- R45 - May cause cancer.
- R46 - May cause heritable genetic damage.
- R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R63 - Possible risk of harm to the unborn child.
- R65 - Harmful: may cause lung damage if swallowed.

Last Revision Date
30/March/2015

Preparation Date
06/22/17

Disclaimer/Statement of Liability

The information contained herein is based on data available. However, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from the use thereof. Because the information contained herein may be applied under conditions beyond our control, we assume no responsibility for its use.

Key to abbreviations

NDA = No data available