SAFETY DATA SHEET

Revision date: 26 April 2018  Initial date of issue: 3 July 2007  SDS No. 388A-8a

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
294 CSD (Aerosol)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Fast evaporating solvent degreaser. Do not use on oxygen systems.

1.3. Details of the supplier of the safety data sheet
Company: A.W. CHESTERTON COMPANY
860 Salem Street
Groveland, MA 01834-1507, USA
Tel. +1 978-469-6446   Fax: +1 978-469-6785
(Mon. - Fri. 8:30 - 5:00 PM EST)
SDS requests: www.chesterton.com
E-mail (SDS questions): ProductMSDSs@chesterton.com
E-mail: customer.service@chesterton.com

Canada: A.W. Chesterton Company Ltd., 889 Fraser Drive,
Unit 105, Burlington, Ontario L7L 4X8 - Tel. 905-335-5055
EU: Chesterton International GmbH, Am Lenzenfleck 23,
D85737 Ismaning, Germany – Tel. +49-89-996-5460

1.4. Emergency telephone number
24 hours per day, 7 days per week
Call Infotrac: 1-800-535-5053
Outside N. America: +1 352-323-3500 (collect)
NSW Poisons Information Centre (Australia): 13 11 26

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP]
Aerosol 1, H222, H229
Asp. Tox. 1, H304*
Eye Irrit. 2, H319
Skin Irrit. 2, H315
Skin Sens. 1, H317
STOT SE 3, H336
Aquatic Chronic 2, H411

2.1.2. Classification according to 29 CFR 1910.1200 / WHMIS 2015
Flam. Aerosol 1, H222, H229
Compressed gas, H280
Asp. Tox. 1, H304
Eye Irrit. 2, H319
Skin Irrit. 2, H315
Skin Sens. 1, H317
STOT SE 3, H336
Aquatic Chronic 2, H411

2.1.3. Classification according to WHMIS 1988
A: Compressed gases; B5: Flammable aerosols; D2B: Toxic materials causing other effects

2.1.4. Australian statement of hazardous nature
Hazardous according to criteria of Safe Work Australia.
2.1.5. Additional information
For full text of H-statements: see SECTIONS 2.2 and 16. Labelling not required for aerosols containing substances or mixtures classified as presenting an aspiration hazard, under Article 23 of the CLP.

2.2. Label elements

2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms:

Signal word: Danger

Hazard statements:
- H222 Extremely flammable aerosol.
- H229 Pressurized container: May burst if heated.
- H319 Causes serious eye irritation.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P261 Avoid breathing vapours/spray.
- P280 Wear protective gloves and eye/face protection.
- P410/412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Supplemental information: None

2.2.2. Labelling according to 29 CFR 1910.1200 / WHMIS 2015

Hazard pictograms:

Signal word: Danger

Hazard statements:
- H222 Extremely flammable aerosol.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H222 Extremely flammable aerosol.
- H229 Pressurized container: May burst if heated.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P264B Wash skin thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye/face protection.
- P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P331 Do NOT induce vomiting.
- P333/313 If skin irritation or rash occurs: Get medical advice/attention.
- P337/313 If eye irritation persists: Get medical advice/attention.
- P362/364 Take off contaminated clothing and wash it before reuse.
- P403 Store in a well-ventilated place.
- P410/412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Supplemental information: None

2.3. Other hazards

None known
### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Hazardous Ingredients¹</th>
<th>% Wt.</th>
<th>CAS No./ EC No.</th>
<th>REACH Reg. No.</th>
<th>CLP/GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon dioxide</td>
<td>3-7</td>
<td>124-38-9 204-696-9</td>
<td>NA</td>
<td>Compressed gas, H280</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>1-5</td>
<td>67-63-0 200-661-7</td>
<td>01-211945 7558-25</td>
<td>Flam. Liq. 2, H225, Eye Irrit. 2, H319, STOT SE 3, H336</td>
</tr>
<tr>
<td>d-Limonene, food grade (Orange terpenes)</td>
<td>1-5</td>
<td>5989-27-5* 227-813-5</td>
<td>01-211952 9223-47</td>
<td>Flam. Liq. 3, H226, Asp. Tox. 1, H304, Skin Irrit. 2, H315, Skin Sens. 1, H317, Eye Irrit. 2B, H320, Aquatic Acute 1, H400, Aquatic Chronic 1, H410 (M-factor = 1)</td>
</tr>
</tbody>
</table>

For full text of H-statements: see SECTION 16.


### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

| Inhalation: | Remove to fresh air. If not breathing, administer artificial respiration. Contact physician. |
| Skin contact: | Wash skin with soap and water. Contact physician if irritation persists. |
| Eye contact: | Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists. |
| Ingestion: | Do not induce vomiting. If conscious, dilute stomach contents with large quantities of milk or water. Contact physician immediately. |

#### 4.2. Most important symptoms and effects, both acute and delayed

Direct eye contact causes eye irritation. Excessive inhalation of vapors will irritate the eyes and respiratory tract and cause dizziness, headache and other central nervous system effects. May cause an allergic skin reaction. Prolonged or repeated skin contact may cause skin irritation and dermatitis. Aspiration into the lungs may cause chemical pneumonitis or pulmonary oedema.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms. Cardiac arrhythmia has been reported in animal studies. Epinephrine and other sympathomimetic drugs should only be used as a last resort in an immediate life threatening situation in conjunction with cardiac monitoring.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide, dry chemical, foam or water fog

Unsuitable extinguishing media: High volume water jet

#### 5.2. Special hazards arising from the substance or mixture

Pressurized containers, when heated, are a potential explosive hazard.

#### 5.3. Advice for firefighters

Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.
Flammability Classification: –
HAZCHEM Emergency Action Code: 2 Y

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Evacuate area. Provide adequate ventilation. Utilize exposure controls and personal protection as specified in Section 8.

6.2. Environmental Precautions
No special requirements.

6.3. Methods and material for containment and cleaning up
Contain spill to a small area. Keep away from sources of ignition - No smoking. If removal of ignition sources is not possible, then flush material away with water. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal. Use caution - floor may be slippery where spill has occurred.

6.4. Reference to other sections
Refer to section 13 for disposal advice.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Shake well before using. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No Smoking. Vapors are heavier than air and will collect in low areas. Vapor accumulations could flash and/or explode if ignited. Utilize exposure controls and personal protection as specified in Section 8. Remove contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C (120°F). Do not pierce or burn, even after use.

7.3. Specific end use(s)
No special precautions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>OSHA PEL¹ ppm</th>
<th>mg/m³</th>
<th>ACGIH TLV² ppm</th>
<th>mg/m³</th>
<th>UK WEL³ ppm</th>
<th>mg/m³</th>
<th>AUSTRALIA ES⁴ ppm</th>
<th>mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), hydrotreated light</td>
<td>–</td>
<td>–</td>
<td>342*</td>
<td>1400*</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Acetone</td>
<td>1000</td>
<td>2400</td>
<td>250</td>
<td>–</td>
<td>500</td>
<td>1210</td>
<td>500</td>
<td>1185</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STEL: 500</td>
<td></td>
<td>STEL: 1500</td>
<td></td>
<td>STEL: 1000</td>
<td></td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>5000</td>
<td>9000</td>
<td>5000</td>
<td>9000</td>
<td>5000</td>
<td>9150</td>
<td>5000</td>
<td>9000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STEL: 30000</td>
<td></td>
<td>STEL: 15000</td>
<td></td>
<td>STEL: 30000</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>54000</td>
<td></td>
<td>27400</td>
<td></td>
<td>54000</td>
<td></td>
</tr>
<tr>
<td>Isopropanol</td>
<td>400</td>
<td>980</td>
<td>200</td>
<td>–</td>
<td>400</td>
<td>999</td>
<td>400</td>
<td>983</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STEL: 400</td>
<td></td>
<td>STEL: 500</td>
<td></td>
<td>STEL: 500</td>
<td></td>
</tr>
<tr>
<td>d-Limonene**</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

*Based on the procedure described in appendix H, "Reciprocal calculation method for Certain Refined Hydrocarbon Solvent Vapor Mixtures" of the ACGIH TLVs® and BEIs®.
**American Industrial Hygiene Association (AIHA) recommended limit: 30 ppm (2230 8 hr TWA).
¹ United States Occupational Health & Safety Administration permissible exposure limits.
² American Conference of Governmental Industrial Hygienists threshold limit values.
³ EH40 Workplace exposure limits, Health & Safety Executive
⁴ Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

8.2. Exposure controls

8.2.1. Engineering measures
Use only in well-ventilated areas. If exposure limits are exceeded, provide adequate ventilation.
8.2.2. Individual protection measures

**Respiratory protection:** Not normally needed. If exposure limits are exceeded, use approved organic vapor respirator (e.g., EN filter type A).

**Protective gloves:** Chemical resistant gloves (e.g., butyl rubber or neoprene)

**Acetone:**

<table>
<thead>
<tr>
<th>Contact type</th>
<th>Glove material</th>
<th>Layer thickness</th>
<th>Breakthrough time*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full</td>
<td>butyl rubber</td>
<td>0.7 mm</td>
<td>&gt; 480 min.</td>
</tr>
<tr>
<td>Splash</td>
<td>natural rubber</td>
<td>0.6 mm</td>
<td>&gt; 10 min.</td>
</tr>
</tbody>
</table>

* Determined according to EN374 standard.

**Eye and face protection:** Safety glasses

**Other:** None

8.2.3. Environmental exposure controls

Refer to sections 6 and 12.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>clear, white</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>56°C (133°F), product only</td>
</tr>
<tr>
<td>Melting point</td>
<td>not determined</td>
</tr>
<tr>
<td>% Volatile (by volume)</td>
<td>100%</td>
</tr>
<tr>
<td>Flash point</td>
<td>-18°C (-4°F)</td>
</tr>
<tr>
<td>Method</td>
<td>PM Closed Cup, product only</td>
</tr>
<tr>
<td>Viscosity</td>
<td>not determined</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>222°C (432°F)</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>not determined</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>LEL: 1.1; UEL: 7</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>not determined</td>
</tr>
<tr>
<td>Odour</td>
<td>ethereal</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>not determined</td>
</tr>
<tr>
<td>Vapour pressure @ 20°C</td>
<td>not determined</td>
</tr>
<tr>
<td>% Aromatics by weight</td>
<td>&lt; 0.2%</td>
</tr>
<tr>
<td>pH</td>
<td>not applicable</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.71 kg/l, product only</td>
</tr>
<tr>
<td>Weight per volume</td>
<td>5.9 lbs/gal., product only</td>
</tr>
<tr>
<td>Coefficient (water/oil)</td>
<td>not applicable</td>
</tr>
<tr>
<td>Vapour density (air=1)</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>Rate of evaporation (ether=1)</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>insoluble</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>not determined</td>
</tr>
</tbody>
</table>

#### 9.2. Other information

None

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

Refer to sections 10.3 and 10.5.

#### 10.2. Chemical stability

Stable

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under conditions of normal use.

#### 10.4. Conditions to avoid

Open flames and red hot surfaces.

#### 10.5. Incompatible materials

Strong oxidizers like liquid Chlorine and concentrated Oxygen.

#### 10.6. Hazardous decomposition products

Carbon Monoxide, Carbon Dioxide, aldehydes and other toxic fumes.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

**Primary route of exposure under normal use:** Inhalation, skin and eye contact. Personnel with pre-existing skin or lung allergies may be aggravated by exposure.

**Acute toxicity** -
### Oral:

Based on available data on components, the classification criteria are not met.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), hydrotreated light</td>
<td>LD50, rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Acetone</td>
<td>LD50, rat</td>
<td>5800 mg/kg</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>LD50, rat</td>
<td>5045 mg/kg</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>Human lethal dose</td>
<td>3570 mg/kg</td>
</tr>
<tr>
<td>d-Limonene, food grade</td>
<td>LD50, rat</td>
<td>≥ 4400 mg/kg</td>
</tr>
</tbody>
</table>

### Dermal:

Based on available data on components, the classification criteria are not met.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), hydrotreated light</td>
<td>LD50, rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Acetone</td>
<td>LD50, rabbit</td>
<td>20000 mg/kg</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>LD50, rabbit</td>
<td>12800 mg/kg</td>
</tr>
<tr>
<td>d-Limonene, food grade</td>
<td>LD50, rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
</tbody>
</table>

### Inhalation:

Excessive inhalation of vapors will irritate the eyes and respiratory tract and cause dizziness, headache and other central nervous system effects.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), hydrotreated light</td>
<td>LC50, rat, 4 h</td>
<td>&gt; 5.6 mg/l (analytical, vapor)</td>
</tr>
<tr>
<td>Acetone</td>
<td>LC50, rat, 4 h</td>
<td>76 mg/l (vapor)</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>LC50, rat, 4 h</td>
<td>46.5 mg/l (vapor)</td>
</tr>
<tr>
<td>d-Limonene*</td>
<td>RD50, mice, 10 min.</td>
<td>5.983 mg/l</td>
</tr>
</tbody>
</table>

### Skin corrosion/irritation:

Prolonged or repeated skin contact may cause skin irritation and dermatitis.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), hydrotreated light</td>
<td>Skin irritation, rabbit</td>
<td>Irritating</td>
</tr>
<tr>
<td>d-Limonene</td>
<td>Skin irritation, human, rabbit</td>
<td>Irritating</td>
</tr>
</tbody>
</table>

### Serious eye damage/irritation:

Direct eye contact causes eye irritation.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>Eye irritation, rabbit</td>
<td>Irritating</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>Eye irritation, rabbit</td>
<td>Moderately irritating</td>
</tr>
</tbody>
</table>

### Respiratory or skin sensitisation:

May cause an allergic skin reaction. d-Limonene itself is not a skin sensitizer but some of its oxidation products are known skin sensitizers.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), hydrotreated light</td>
<td>Skin sensitization, guinea pig</td>
<td>Not sensitizing</td>
</tr>
<tr>
<td>Acetone</td>
<td>Skin sensitization, guinea pig</td>
<td>Not sensitizing</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>Skin sensitization, guinea pig</td>
<td>Not sensitizing</td>
</tr>
<tr>
<td>d-Limonene</td>
<td>Skin sensitization, guinea pig</td>
<td>Sensitizing</td>
</tr>
</tbody>
</table>

### Germ cell mutagenicity:

Hazardous ingredients: based on available data, the classification criteria are not met.

### Carcinogenicity:

As per 29 CFR 1910.1200 (Hazard Communication), this product contains no carcinogens as listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the Occupational Safety and Health Administration (OSHA) or Regulation (EC) No 1272/2008.

### Reproductive toxicity:

Naphtha (petroleum), hydrotreated light, Acetone, Isopropanol: based on available data, the classification criteria are not met.

### STOT-single exposure:

May cause drowsiness or dizziness.

### STOT-repeated exposure:

Hazardous ingredients: based on available data, the classification criteria are not met.

### Aspiration hazard:

Aspiration into the lungs may cause chemical pneumonitis or pulmonary oedema.

### Other information:

None known
SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

12.1. Toxicity
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability
Naphtha (petroleum), hydrotreated light, Isopropanol, Acetone, d-Limonene: expected to be readily biodegradable. Isopropanol, Naphtha (petroleum), hydrotreated light, Orange terpenes: degradation is expected in the atmospheric environment within days to weeks. Acetone: Atmospheric half-life = 79 days (estimated).

12.3. Bioaccumulative potential

12.4. Mobility in soil
Liquid. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). In aquatic systems, d-Limonene may adsorb to organic matter in sediments and suspended solids. The hazardous ingredients will rapidly evaporate to the air if released into the environment.

12.5. Results of PBT and vPvB assessment
Not available

12.6. Other adverse effects
None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Incinerate absorbed material with a properly licensed facility. Incinerate sealed containers at an appropriate facility. Check local, state and national/federal regulations and comply with the most stringent requirement. This product is classified as a hazardous waste according to 2008/98/EC.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number
ADR/RID/ADN/IMDG/ICAO: UN1950
TDG: UN1950
US DOT: UN1950

14.2. UN proper shipping name
ICAO: Aerosols, Flammable
IMDG: Aerosols
ADR/RID/ADN: Aerosols, flammable
TDG: Aerosols, flammable
US DOT: Aerosols, flammable

14.3. Transport hazard class(es)
ADR/RID/ADN/IMDG/ICAO: 2.1
TDG: 2.1
US DOT: 2.1

14.4. Packing group
ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE
TDG: NOT APPLICABLE
US DOT: NOT APPLICABLE

14.5. Environmental hazards
NO ENVIRONMENTAL HAZARDS

14.6. Special precautions for user
NO SPECIAL PRECAUTIONS FOR USER

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
NOT APPLICABLE

14.8. Other information
US DOT: Shipped as Consumer Commodity ORM-D in packaging having a rated capacity gross weight of 66 lb. or less (49 CFR 173.306(i)). ERG NO. 126
IMDG: EmS. F-D, S-U, Shipped as Limited Quantity
ADR: Classification code 5F, Tunnel restriction code (E), Shipped as Limited Quantity
### SECTION 15: REGULATORY INFORMATION

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

15.1.1. EU regulations

<table>
<thead>
<tr>
<th>Authorisations under Title VII:</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restrictions under Title VIII:</td>
<td>None</td>
</tr>
</tbody>
</table>

15.1.2. National regulations

**US EPA SARA TITLE III**

<table>
<thead>
<tr>
<th>312 Hazards:</th>
<th>313 Chemicals:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate</td>
<td>None</td>
</tr>
<tr>
<td>Fire</td>
<td></td>
</tr>
<tr>
<td>Pressure Release</td>
<td>TSCA: All chemical components are listed in the TSCA inventory.</td>
</tr>
</tbody>
</table>

Other national regulations: National implementations of the EC Directives referred to in section 15.1.1.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

### SECTION 16: OTHER INFORMATION

**Abbreviations and acronyms:**

- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate
- BCF: Bioconcentration Factor
- cATpE: Converted Acute Toxicity point Estimate
- CLP: Classification Labelling Packaging Regulation (1272/2008/EC)
- ES: Exposure Standard
- GHS: Globally Harmonized System
- ICAO: International Civil Aviation Organization
- IMDG: International Maritime Dangerous Goods
- LC50: Lethal Concentration to 50% of a test population
- LD50: Lethal Dose to 50% of a test population
- LOEL: Lowest Observed Effect Level
- NA: Not Applicable
- NOEC: No Observed Effect Concentration
- NOEL: No Observed Effect Level
- OECD: Organization for Economic Co-operation and Development
- PBT: Persistent, Bioaccumulative and Toxic substance
- (Q)SAR: Quantitative Structure-Activity Relationship
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (1907/2006/EC)
- REL: Recommended Exposure Limit
- RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
- SDS: Safety Data Sheet
- STEL: Short Term Exposure Limit
- STOT RE: Specific Target Organ Toxicity, Repeated Exposure
- STOT SE: Specific Target Organ Toxicity, Single Exposure
- TDG: Transportation of Dangerous Goods (Canada)
- TWA: Time Weighted Average
- US DOT: United States Department of Transportation
- vPvB: very Persistent and very Bioaccumulative substance
- WEL: Workplace Exposure Limit
- WHMIS: Workplace Hazardous Materials Information System
- Other abbreviations and acronyms can be looked up at www.wikipedia.org.

**Key literature references and sources for data:**

- Commission des normes, de l'équité, de la santé et de la sécurité du travail (CINESST)
- Chemical Classification and Information Database (CCID)
- European Chemicals Agency (ECHA) - Information on Chemicals
- Hazardous Substances Information System (HSIS)
- National Institute of Technology and Evaluation (NITE)
- Swedish Chemicals Agency (KEMI)
- U.S. National Library of Medicine Toxicology Data Network (TOXNET)
Procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 [CLP]:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerosol 1, H222</td>
<td>On basis of components</td>
</tr>
<tr>
<td>Eye Irrit. 2, H319</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Skin Irrit. 2, H315</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Skin Sens. 1, H317</td>
<td>Bridging principle &quot;Dilution&quot;</td>
</tr>
<tr>
<td>STOT SE 3, H336</td>
<td>Bridging principle &quot;Dilution&quot;</td>
</tr>
<tr>
<td>Aquatic Chronic 2, H411</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

Relevant H-statements:
- H222: Extremely flammable aerosol.
- H225: Highly flammable liquid and vapour.
- H226: Flammable liquid and vapour.
- H229: Pressurized container: May burst if heated.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- H411: Toxic to aquatic life with long lasting effects.

Hazard pictogram names: Flame, gas cylinder, health hazard, exclamation mark, environment

Changes to the SDS in this revision: Section 1.3.

Revision date: 26 April 2018

Further information: None

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the suitability of the product for the user’s particular purpose. The user must make their own determination as to suitability.