SAFETY DATA SHEET

Revision date: 26 April 2018  Initial date of issue: 6 July 2007  SDS No. 131B-22a

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

1.1. Product identifier
740 Heavy Duty Rust Guard (Bulk)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Coats and protects metal like a paint with minimum surface preparation but is easily removable. Heavy Duty Rust Guard can be used for the protection of metal, tools, fixtures, parts-in-process, equipment, tanks, structures, machinery, tubing, castings, rod, bar and sheet stock. Effective to 80°C (175°F).

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

Supplier:
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]
Flam. Liq. 3, H226
Eye Irrit. 2, H319
STOT RE 1, H372 (central nervous system)
Aquatic Chronic 2, H411

2.1.2. Classification according to 29 CFR 1910.1200 / WHMIS 2015
Flam. Liq. 3, H226
Eye Irrit. 2, H319
STOT RE 1, H372 (central nervous system)
Repr. 2, H361D
Aquatic Chronic 2, H411

2.1.3. Classification according to WHMIS 1988
B3: Combustible liquids; 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.
2.2. Label elements

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

Hazard pictograms:

- Flammable liquid and vapour
- Causes serious eye irritation
- Causes damage to the central nervous system through prolonged or repeated exposure
- Toxic to aquatic life with long lasting effects

Signal word: Danger

Hazard statements:
- H226 Flammable liquid and vapour
- H319 Causes serious eye irritation
- H372 Causes damage to the central nervous system through prolonged or repeated exposure
- 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.
- P233 Keep container tightly closed.
- P260 Do not breathe vapours.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye/face protection.
- P314 Get medical advice/attention if you feel unwell.
- P370/378 In case of fire: Use CO2, dry chemical or foam to extinguish.
- P403/235 Store in a well-ventilated place. Keep cool.

Supplemental information: None

2.2.2. Labelling according to 29 CFR 1910.1200 / WHMIS 2015

Hazard pictograms:

- Flammable liquid and vapour
- Causes serious eye irritation
- Suspected of damaging the unborn child
- Causes damage to the central nervous system through prolonged or repeated exposure
- Toxic to aquatic life with long lasting effects

Signal word: Danger

Hazard statements:
- H226 Flammable liquid and vapour
- H319 Causes serious eye irritation
- H361 Suspected of damaging the unborn child
- H372 Causes damage to the central nervous system through prolonged or repeated exposure
- 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.
- P233 Keep container tightly closed.
- P240 Ground/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 vapours.
- P270 Do not eat, drink or smoke when using this product.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye/face protection.
- P303/361/353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308/313 IF EXPOSED OR CONCEIVED: Get medical advice/attention.
- P337/313 If eye irritation persists: Get medical advice/attention.
- P370/378 In case of fire: Use CO2, dry chemical or foam to extinguish.
- P403/235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container to an approved waste disposal plant.

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>Stoddard solvent*</td>
<td>40-50</td>
<td>8052-41-3</td>
<td>NA</td>
<td>Flam. Liq. 3, H226</td>
</tr>
<tr>
<td></td>
<td></td>
<td>232-489-3</td>
<td></td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2, H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STOT RE 1, H372 (CNS)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>5-10</td>
<td>64742-47-8</td>
<td>NA</td>
<td>Flam. Liq. 3, H226</td>
</tr>
<tr>
<td></td>
<td></td>
<td>265-149-8</td>
<td></td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2, H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H336</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Baseoil – unspecified**</td>
<td>0.9 - 5</td>
<td>64742-54-7</td>
<td>01-211948</td>
<td>Flam. Liq. 4, H227***</td>
</tr>
<tr>
<td></td>
<td></td>
<td>265-157-1</td>
<td>4627-25</td>
<td>Repr. 2, H361d</td>
</tr>
<tr>
<td></td>
<td></td>
<td>and/or</td>
<td>01-211947</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>64742-65-0</td>
<td>1299-27</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>265-169-7</td>
<td>and/or</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>and/or</td>
<td>01-211948</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>64742-55-8</td>
<td>7077-29</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>265-158-7</td>
<td>and/or</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>and/or</td>
<td>01-211948</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>64742-56-9</td>
<td>0132-48</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>265-159-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-(2-Methoxyethoxy)ethanol</td>
<td>0.5-0.95</td>
<td>111-77-3</td>
<td>NA</td>
<td>Flam. Liq. 3, H226</td>
</tr>
<tr>
<td></td>
<td></td>
<td>203-906-6</td>
<td></td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2, H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H336</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 2, H411</td>
</tr>
</tbody>
</table>

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

*Contains less than 0.1 % w/w Benzene. **Contains less than 3 % DMSO extract as measured by IP 346. ***Non-CLP classification.

* 1272/2008/EC, GHS, REACH
* WHMIS 2015
* Safe Work Australia

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. Remove contaminated clothing immediately. Contact physician if irritation persists. Launder contaminated clothing before reuse, discard contaminated shoes.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Contact physician if irritation persists.

Ingestion: Rinse mouth with water. Do not induce vomiting. Contact physician immediately.

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

Direct contact causes eye irritation. High vapor concentrations may irritate eyes, respiratory tract and possibly cause dizziness, nausea and other central nervous system effects. Prolonged or repeated skin contact may defat the skin and cause skin irritation. Reports have associated repeated or prolonged occupational overexposure to all solvents with permanent brain and nervous system damage.

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

If ingestion and vomiting occurs, monitor patient for 48 hours for breathing difficulties.
SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide, dry chemical or foam

Unsuitable extinguishing media: Water jets

5.2. Special hazards arising from the substance or mixture

Combustion products may be toxic. Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Containers may rupture on heating.

5.3. Advice for firefighters

Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.

Flammability Classification: –

HAZCHEM Emergency Action Code: 3 Z

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

Keep out of sewers, streams and waterways.

6.3. Methods and material for containment and cleaning up

Keep away from sources of ignition - No smoking. If removal of ignition sources is not possible, then flush material away with water. Contain spill to a small area. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal.

6.4. Reference to other sections

Refer to section 13 for disposal advice.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from sources of ignition - No smoking. Avoid breathing mist or vapor. Avoid eating, drinking or smoking in the work area. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry and well-ventilated area.

7.3. Specific end use(s)

No special precautions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limit values

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>OSHA PEL¹ ppm</th>
<th>ACGIH TLV² mg/m³</th>
<th>UK WEL³ ppm</th>
<th>AUSTRALIA ES⁴ ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoddard solvent</td>
<td>500</td>
<td>2900</td>
<td>100</td>
<td>–</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>500</td>
<td>–</td>
<td>212*</td>
<td>1200*</td>
</tr>
<tr>
<td>Oil mist, mineral</td>
<td>–</td>
<td>5 (inhal)</td>
<td>5</td>
<td>–</td>
</tr>
<tr>
<td>2-(2-Methoxyethoxy)ethanol</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>10</td>
</tr>
</tbody>
</table>

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]

*Based on the procedure described in appendix H, "Reciprocal calculation method for Certain Refined Hydrocarbon Solvent Vapor Mixtures" of the ACGIH TLVs® and BEIs®.
Derived No Effect Level (DNEL) according to Regulation (EC) No 1907/2006:
Workers
Not available

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No 1907/2006:
Not available

8.2. Exposure controls
8.2.1. Engineering measures
Use only in well-ventilated areas. If exposure limit is exceeded, provide adequate explosion-proof ventilation.

8.2.2. Individual protection measures
Respiratory protection: Not normally needed. If exposure limits are exceeded, use a half or full-face respirator with combined dust/organic vapour filter (e.g., EN filter type A-P). Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

Protective gloves: Chemical resistant gloves (e.g. neoprene, nitrile).
Eye and face protection: Safety goggles or face shield.
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>moderate viscosity liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>brown</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>150°C (302°F)</td>
</tr>
<tr>
<td>Melting point</td>
<td>not determined</td>
</tr>
<tr>
<td>% Volatile (by volume)</td>
<td>56%</td>
</tr>
<tr>
<td>Flash point</td>
<td>46°C (114°F)</td>
</tr>
<tr>
<td>Method</td>
<td>PM Closed Cup</td>
</tr>
<tr>
<td>Viscosity</td>
<td>100-1000 cps @ 25°C</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>not determined</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>not determined</td>
</tr>
<tr>
<td>Upper/lower flammability or</td>
<td>not determined</td>
</tr>
<tr>
<td>explosive limits</td>
<td></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>solvent odor</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>4.7%</td>
</tr>
<tr>
<td>pH</td>
<td>not applicable</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.902 kg/l</td>
</tr>
<tr>
<td>Weight per volume</td>
<td>7.5 lbs/gal.</td>
</tr>
<tr>
<td>Coefficient (water/oil)</td>
<td>&lt; 1</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
Kinematic viscosity at 40°C: 69.2 cSt.

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 (by combustion).
### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

**Primary route of exposure under normal use:** Inhalation, skin and eye contact.

**Acute toxicity -**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoddard solvent</td>
<td>LD50, rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>LD50, rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>2-(2-Methoxyethoxy)ethanol</td>
<td>LD50, mouse</td>
<td>8222 mg/kg</td>
</tr>
</tbody>
</table>

**Dermal:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoddard solvent</td>
<td>LD50, rabbit</td>
<td>&gt; 3000 mg/kg</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>LD50, rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>2-(2-Methoxyethoxy)ethanol</td>
<td>LD50, rat</td>
<td>ca. 6450 mg/kg</td>
</tr>
</tbody>
</table>

**Inhalation:** High vapor concentrations may irritate eyes, respiratory tract and possibly cause dizziness, nausea and other central nervous system effects.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoddard solvent</td>
<td>LC50, rat, 4 h</td>
<td>&gt; 5.5 mg/l</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>LC50, rat, 4 h</td>
<td>&gt; 5.28 mg/l</td>
</tr>
<tr>
<td>2-(2-Methoxyethoxy)ethanol</td>
<td>LC0, rat, 6 h</td>
<td>&gt; 1.2 mg/l</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation:** Causes mild skin irritation.

**Serious eye damage/irritation:** Causes serious eye irritation. Based on data from similar materials.

**Respiratory or skin sensitisation:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>Skin sensitization, guinea pig</td>
<td>Not sensitizing</td>
</tr>
<tr>
<td>2-(2-Methoxyethoxy)ethanol</td>
<td>Skin sensitization, guinea pig</td>
<td>Not sensitizing</td>
</tr>
</tbody>
</table>

**Germ cell mutagenicity:** Distillates (petroleum), hydrotreated light, 2-(2-Methoxyethoxy)ethanol: 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:** Distillates (petroleum), hydrotreated light: based on available data, the classification criteria are not met. 2-(2-Methoxyethoxy)ethanol: Suspected of damaging the unborn child.

**STOT-single exposure:** Distillates (petroleum), hydrotreated light: May cause drowsiness or dizziness. 2-(2-Methoxyethoxy)ethanol: based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Reports have associated repeated or prolonged occupational overexposure to all solvents with permanent brain and nervous system damage. 2-(2-Methoxyethoxy)ethanol: based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

**Other information:** None

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### 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
Stoddard solvent, Distillates (petroleum), hydrotreated light, vapor phase: degradation is expected in the atmospheric environment within days to weeks; inherently biodegradable. 2-(2-Methoxyethoxy)ethanol: readily biodegradable. Baseoil: CO2 Evolution Test (OECD 301B) – 31%.

### 12.3. Bioaccumulative potential
Distillates (petroleum), hydrotreated light: Octanol/water partition coefficient (log Kow). 2.1 – 5, estimated 2-(2-Methoxyethoxy)ethanol: not expected to bioaccumulate.

### 12.4. Mobility in soil
Liquid. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Stoddard solvent, Distillates (petroleum), hydrotreated light: will rapidly evaporate to the air if released into the environment. 2-(2-Methoxyethoxy)ethanol: expected to have very high mobility in soils.

### 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 or landfill absorbed material with a properly licensed facility. Old or spent material must meet appropriate treatment standards for ignitable waste. This product is classified as a hazardous waste according to 2008/98/EC. Check local, state and national/federal regulations and comply with the most stringent requirement.

### SECTION 14: TRANSPORT INFORMATION
#### 14.1. UN number
- **ADR/RID/ADN/IMDG/ICAO:** UN1268
- **TDG:** UN1268
- **US DOT:** UN1268

#### 14.2. UN proper shipping name
- **ADR/RID/ADN/IMDG/ICAO:** PETROLEUM DISTILLATES, N.O.S. (MINERAL SPIRITS)
- **TDG:** PETROLEUM DISTILLATES, N.O.S. (MINERAL SPIRITS)
- **US DOT:** PETROLEUM DISTILLATES, N.O.S. (MINERAL SPIRITS)

#### 14.3. Transport hazard class(es)
- **ADR/RID/ADN/IMDG/ICAO:** 3
- **TDG:** 3
- **US DOT:** 3

#### 14.4. Packing group
- **ADR/RID/ADN/IMDG/ICAO:** III
- **TDG:** III
- **US DOT:** III

#### 14.5. Environmental hazards
- **MARINE POLLUTANT**

#### 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:** ERG NO. 128
- **IMDG:** EmS F-E, S-E
- **ADR:** Classification code F1, Tunnel restriction code (D/E)

### SECTION 15: REGULATORY INFORMATION
#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU regulations
- **Authorisations under Title VII:** Not applicable
- **Restrictions under Title VIII:** None
### Other EU regulations:
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances (Petroleum products, qualifying quantities: 2 500 t, 25 000 t).

#### 15.1.2. National regulations

<table>
<thead>
<tr>
<th>312 Hazards:</th>
<th>313 Chemicals:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire</td>
<td>None</td>
</tr>
<tr>
<td>Immediate</td>
<td></td>
</tr>
<tr>
<td>Delayed</td>
<td></td>
</tr>
</tbody>
</table>

**Other national regulations:** None

### 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
- N/A: Not Applicable
- NA: Not Available
- 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 Chemical Information System (HCIS)
- 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>Flam. Liq. 3, H226</td>
<td>On basis of test data</td>
</tr>
<tr>
<td>Eye Irrit. 2, H319</td>
<td>Calculation method</td>
</tr>
<tr>
<td>STOT RE 1, H372</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:
- H226: Flammable liquid and vapour.
- H227: Combustible liquid.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H361d: Suspected of damaging the unborn child.
- H372: Causes damage to the central nervous system through prolonged or repeated exposure.
- H411: Toxic to aquatic life with long lasting effects.

Hazard pictogram names: Flame, exclamation mark, health hazard, 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.