SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Trade name: Millenium Paint Sealant

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: paint sealer with resin

1.3 Details of the supplier of the safety data sheet
Commodore Sales Inc.
11002 Trade Rd.
Richmond, VA 23236
800-747-1992

Competent person responsible for the SDS: Robert Blahnik

1.4 Emergency telephone number
Emergency information service: USA 1.800.535.5053, INTL 1.352.323.3500

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Annex</th>
<th>Hazard class and category</th>
<th>Hazard statement code(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.6</td>
<td>flammable liquids</td>
<td>Cat. 4 (Flam. Liq. 4)</td>
</tr>
<tr>
<td>A.5</td>
<td>germ cell mutagenicity</td>
<td>Cat. 1B (Muta. 1B)</td>
</tr>
<tr>
<td>A.6</td>
<td>carcinogenicity</td>
<td>Cat. 1B (Carc. 1B)</td>
</tr>
<tr>
<td>A.7</td>
<td>reproductive toxicity</td>
<td>Cat. 2 (Repr. 2)</td>
</tr>
<tr>
<td>A.10</td>
<td>aspiration hazard</td>
<td>Cat. 1 (Asp. Tox. 1)</td>
</tr>
</tbody>
</table>

Remarks
For full text of H-phrases: see SECTION 16.

Hazard not otherwise classified
Very toxic to aquatic life with long lasting effects (GHS category 1: aquatic toxicity - acute and chronic).

The most important adverse physicochemical, human health and environmental effects
The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements
Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Signal word: danger

Pictograms
GHS08

Hazard statements

H227  Combustible liquid.
H304  May be fatal if swallowed and enters airways.
H340  May cause genetic defects.
H350  May cause cancer.
H361f Suspected of damaging fertility.

Precautionary statements

Precautionary statements - prevention

Obtain special instructions before use.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Precautionary statements - response

IF SWALLOWED: immediately call a POISON CENTER or doctor/physician.
IF exposed or concerned: get medical advice/attention.
Do NOT induce vomiting.
In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.

Precautionary statements - disposal

Dispose of contents/container to industrial combustion plant.

Hazardous ingredients for labelling

Stoddard Solvent, dimethylsiloxane cyclic tetramer, Distillates (petroleum), hydrotreated light, odorless mineral spirits

2.3 Other hazards

This material is combustible, but will not ignite readily. Special danger of slipping by leaking/spilling product.

SECTION 3: Composition/information on ingredients

3.1 Substances

not relevant (mixture)

3.2 Mixtures

Description of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>Identifier</th>
<th>Wt%</th>
<th>Hazard class and category</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>CAS No 64742-47-8</td>
<td>5 - &lt; 10</td>
<td>B.6 Flam. Liq. 4 A.10 Asp. Tox. 1</td>
<td>H227 H304</td>
</tr>
<tr>
<td>odorless mineral spirits</td>
<td>CAS No 64742-48-9</td>
<td>5 - &lt; 10</td>
<td>B.6 Flam. Liq. 3 A.2 Skin Irrit. 2 A.8D STOT SE 3 A.10 Asp. Tox. 1</td>
<td>H226 H315 H336 H304</td>
</tr>
<tr>
<td>dimethylsiloxane cyclic tetramer</td>
<td>CAS No 556-67-2</td>
<td>5 - &lt; 10</td>
<td>B.6 Flam. Liq. 3 A.7 Repr. 2</td>
<td>H226 H361f</td>
</tr>
<tr>
<td>decamethylcyclopentasiloxane</td>
<td>CAS No 541-02-6</td>
<td>1 - &lt; 5</td>
<td>B.6 Flam. Liq. 4</td>
<td>H227</td>
</tr>
</tbody>
</table>
SECTION 4: First aid measures

4.1 Description of first aid measures

General notes
Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation
Provide fresh air.

Following skin contact
After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

Following eye contact
Irrigate copiously with clean, fresh water, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing.

Following ingestion
Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO2)

Unsuitable extinguishing media
water jet
5.2 Special hazards arising from the substance or mixture
In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Explosive when mixed with combustible material.

**Hazardous combustion products**
nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO2)

5.3 Advice for firefighters
In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

**SECTION 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
Remove persons to safety.

For emergency responders
Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions
Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it.

6.3 Methods and material for containment and cleaning up
**Advices on how to contain a spill**
Covering of drains.

**Advices on how to clean up a spill**
Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust, kieselgur (diatomite), sand, universal binder).

**Appropriate containment techniques**
Use of adsorbent materials.

**Other information relating to spills and releases**
Place in appropriate containers for disposal. Ventilate affected area.

**Reference to other sections**
SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

Measures to prevent fire as well as aerosol and dust generation
Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools.

Warning
Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene
Wash hands after use. Do not to eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

• Explosive atmospheres
Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

• Flammability hazards
Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

Incompatible substances or mixtures
Observe compatible storage of chemicals.

Control of the effects

Protect against external exposure, such as frost

Consideration of other advice

Ventilation requirements
Use local and general ventilation. Ground/bond container and receiving equipment.

Packaging compatibilities
Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)
See section 16 for a general overview.
SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

<table>
<thead>
<tr>
<th>Country</th>
<th>Name of agent</th>
<th>CAS No</th>
<th>Identifier</th>
<th>TWA [ppm]</th>
<th>TWA [mg/m³]</th>
<th>STEL [ppm]</th>
<th>STEL [mg/m³]</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>ethyl alcohol (ethanol)</td>
<td>64-17-5</td>
<td>PEL</td>
<td>1000</td>
<td>1900</td>
<td></td>
<td></td>
<td>29 CFR OSHA</td>
</tr>
<tr>
<td>US</td>
<td>isopropyl alcohol</td>
<td>67-63-0</td>
<td>PEL</td>
<td>400</td>
<td>980</td>
<td></td>
<td></td>
<td>29 CFR OSHA</td>
</tr>
<tr>
<td>US</td>
<td>petroleum distillates (naphtha) (rubber solvent)</td>
<td>64742-48-9</td>
<td>PEL</td>
<td>500</td>
<td>2000</td>
<td></td>
<td></td>
<td>29 CFR OSHA</td>
</tr>
<tr>
<td>US</td>
<td>stoddard solvent</td>
<td>8052-41-3</td>
<td>PEL</td>
<td>500</td>
<td>2900</td>
<td></td>
<td></td>
<td>29 CFR OSHA</td>
</tr>
</tbody>
</table>

Notation

STEL  Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period unless otherwise specified.

TWA  Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average.

Relevant DNELs/DMELs/PNECs and other threshold levels

No data available.

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

• hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

• other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.
Environmental exposure controls
Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

**Appearance**
- Physical state: liquid (viscous)
- Color: off-white
- Odor: characteristic

**Other physical and chemical parameters**
- **pH (value):** 7.9 at 25 °C
- **Melting point/freezing point:** not determined
- **Initial boiling point and boiling range:** >65 °C at 1 atm
- **Flash point:** 61 °C at 101.3 kPa, 142 °F at 1 atm (closed cup)
- **Evaporation rate:** not determined
- **Flammability (solid, gas):** not relevant (fluid)
- **Explosive limits:**
  - lower explosion limit (LEL): 0.7 vol%
  - upper explosion limit (UEL): 5.4 vol%
- **Vapor pressure:** 132 Pa at 25 °C
- **Density:** not determined
- **Relative density:** 0.99 water = 1
- **Solubility(ies):** not determined
- **Partition coefficient:** n-octanol/water (log KOW)
  - This information is not available.
- **Auto-ignition temperature:** 343 °C
- **Viscosity:** not determined
- **Explosive properties:** none
- **Oxidizing properties:** none
SECTION 10: Stability and reactivity

10.1 Reactivity
Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s): risk of ignition

• if heated
  risk of ignition

10.2 Chemical stability
See below "Conditions to avoid".

10.3 Possibility of hazardous reactions
No known hazardous reactions.

10.4 Conditions to avoid
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion
Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Physical stresses which might result in a hazardous situation and have to be avoided
  strong shocks

10.5 Incompatible materials
There is no additional information.

Hazardous decomposition products
Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Test data are not available for the complete mixture.

Classification procedure
The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity
Shall not be classified as acutely toxic.

Skin corrosion/irritation
Shall not be classified as corrosive/irritant to skin.

Respiratory or skin sensitization
Shall not be classified as a respiratory or skin sensitizer.
Summary of evaluation of the CMR properties
May cause genetic defects.
May cause cancer.
Suspected of damaging fertility.

Carcinogenicity

• National Toxicology Program (United States): none of the ingredients are listed
• IARC Monographs none of the ingredients are listed

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>Name acc. to inventory</th>
<th>CAS No</th>
<th>wt%</th>
<th>Classification</th>
<th>Remarks</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethyl alcohol</td>
<td>Ethanol</td>
<td>64-17-5</td>
<td>0.6586</td>
<td>1</td>
<td>in alcoholic beverages</td>
<td>Volume 96, 100E</td>
</tr>
<tr>
<td>propan-2-ol</td>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>0.9282</td>
<td>3</td>
<td></td>
<td>Volume 15, Sup 7, 71</td>
</tr>
</tbody>
</table>

Legend
1 Carcinogenic to humans.
3 Not classifiable as to carcinogenicity in humans.

Specific target organ toxicity (STOT)
Shall not be classified as a specific target organ toxicant.

Aspiration hazard
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity (acute)
Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute) of components of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Endpoint</th>
<th>Value</th>
<th>Species</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>dimethylsiloxane cyclic tetramer</td>
<td>556-67-2</td>
<td>LC50</td>
<td>&gt;22 µg/l</td>
<td>fish</td>
<td>96 hours</td>
</tr>
<tr>
<td>dimethylsiloxane cyclic tetramer</td>
<td>556-67-2</td>
<td>EC50</td>
<td>&gt;1000 mg/l</td>
<td>aquatic invertebrates</td>
<td>96 hours</td>
</tr>
<tr>
<td>decamethylcyclopentasiloxane</td>
<td>541-02-6</td>
<td>LC50</td>
<td>&gt;16 µg/l</td>
<td>fish</td>
<td>96 hours</td>
</tr>
<tr>
<td>decamethylcyclopentasiloxane</td>
<td>541-02-6</td>
<td>EC50</td>
<td>&gt;2.9 µg/l</td>
<td>aquatic invertebrates</td>
<td>48 hours</td>
</tr>
</tbody>
</table>
**Aquatic toxicity (chronic)**

**Aquatic toxicity (chronic) of components of the mixture**

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Endpoint</th>
<th>Value</th>
<th>Species</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>odorless mineral spirits</td>
<td>64742-48-9</td>
<td>EC50</td>
<td>15.41 mg/l</td>
<td>microorganisms</td>
<td>40 h</td>
</tr>
<tr>
<td>dimethylsiloxane cyclic tetramer</td>
<td>556-67-2</td>
<td>LC50</td>
<td>10 mg/l</td>
<td>fish</td>
<td>14 d</td>
</tr>
<tr>
<td>dimethylsiloxane cyclic tetramer</td>
<td>556-67-2</td>
<td>EC50</td>
<td>&gt;500 mg/l</td>
<td>aquatic invertebrates</td>
<td>24 h</td>
</tr>
<tr>
<td>decamethylcyclopentasiloxane</td>
<td>541-02-6</td>
<td>LC50</td>
<td>&gt;16 mg/l</td>
<td>fish</td>
<td>14 d</td>
</tr>
<tr>
<td>decamethylcyclopentasiloxane</td>
<td>541-02-6</td>
<td>EC50</td>
<td>&gt;15 mg/l</td>
<td>aquatic invertebrates</td>
<td>21 d</td>
</tr>
<tr>
<td>petroleum distillate</td>
<td>64742-82-1</td>
<td>EC50</td>
<td>15.41 mg/l</td>
<td>microorganisms</td>
<td>40 h</td>
</tr>
</tbody>
</table>

**12.2 Process of degradability**

Data are not available.

**Degradability of components of the mixture**

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Process</th>
<th>Degradation rate</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>dimethylsiloxane cyclic tetramer</td>
<td>556-67-2</td>
<td>carbon dioxide generation</td>
<td>3.7 %</td>
<td>29 d</td>
</tr>
<tr>
<td>decamethylcyclopentasiloxane</td>
<td>541-02-6</td>
<td>carbon dioxide generation</td>
<td>0.14 %</td>
<td>28 d</td>
</tr>
</tbody>
</table>

**12.3 Bioaccumulative potential**

Data are not available.

**Bioaccumulative potential of components of the mixture**

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>BCF</th>
<th>Log KOW</th>
<th>BOD5/COD</th>
</tr>
</thead>
<tbody>
<tr>
<td>dimethylsiloxane cyclic tetramer</td>
<td>556-67-2</td>
<td>12400</td>
<td>4.45</td>
<td></td>
</tr>
<tr>
<td>decamethylcyclopentasiloxane</td>
<td>541-02-6</td>
<td>7060</td>
<td>4.76</td>
<td></td>
</tr>
<tr>
<td>Stoddard Solvent</td>
<td>8052-41-3</td>
<td></td>
<td>7.15</td>
<td></td>
</tr>
</tbody>
</table>

**12.4 Mobility in soil**

Data are not available.
12.5 **Results of PBT and vPvB assessment**  
Data are not available.

12.6 **Other adverse effects**  
Data are not available.

### SECTION 13: Disposal considerations

13.1 **Waste treatment methods**

- **Waste treatment-relevant information**
  Solvent reclamation/regeneration.

- **Sewage disposal-relevant information**
  Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

- **Waste treatment of containers/packages**
  Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

13.3 **Remarks**

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

### SECTION 14: Transport information

14.1 **UN number**

14.2 **UN proper shipping name**

14.3 **Transport hazard class(es)**

- **Class**

14.4 **Packing group**

14.5 **Environmental hazards**

14.6 **Special precautions for user**

There is no additional information.

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

The cargo is not intended to be carried in bulk.
SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

SARA TITLE III (Superfund Amendment and Reauthorization Act)
List of Extremely Hazardous Substances (40 CFR 355) (EPCRA Section 302 and 304)  none of the ingredients are listed
Specific Toxic Chemical Listings (40 CFR 372) (EPCRA Section 313)  none of the ingredients are listed

Industry or sector specific available guidance(s)

NPCA-HMIS® III
Hazardous Materials Identification System (American Coatings Association)

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic</td>
<td>*</td>
<td>Chronic (long-term) health effects may result from repeated overexposure.</td>
</tr>
<tr>
<td>Health</td>
<td>0</td>
<td>No significant risk to health.</td>
</tr>
<tr>
<td>Flammability</td>
<td>2</td>
<td>Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.</td>
</tr>
<tr>
<td>Physical hazard</td>
<td>0</td>
<td>Materials that are normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosives.</td>
</tr>
<tr>
<td>Personal protective equipment</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

NFPA® 704

<table>
<thead>
<tr>
<th>Category</th>
<th>Degree of hazard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>2</td>
<td>Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.</td>
</tr>
<tr>
<td>Health</td>
<td>0</td>
<td>Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material.</td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
<td>Materials that are normally stable, even under fire conditions.</td>
</tr>
<tr>
<td>Special hazard</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Right to Know Hazardous Substance List  none of the ingredients are listed

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Remarks</th>
<th>Classifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoddard Solvent</td>
<td>8052-41-3</td>
<td></td>
<td>F2</td>
</tr>
</tbody>
</table>

Legend
F2  Flammable - Second Degree.

Proposition 65 List of chemicals  none of the ingredients are listed
# Relevant European Union (EU) safety, health and environmental provisions

**Classification according to GHS (1272/2008/EC, CLP)**

<table>
<thead>
<tr>
<th>Hazard class</th>
<th>Category</th>
<th>Hazard class and category</th>
</tr>
</thead>
<tbody>
<tr>
<td>germ cell mutagenicity</td>
<td>1B</td>
<td>(Muta. 1B)</td>
</tr>
<tr>
<td>carcinogenicity</td>
<td>1B</td>
<td>(Carc. 1B)</td>
</tr>
<tr>
<td>reproductive toxicity</td>
<td>2</td>
<td>(Repr. 2)</td>
</tr>
<tr>
<td>aspiration hazard</td>
<td>1</td>
<td>(Asp. Tox. 1)</td>
</tr>
<tr>
<td>hazardous to the aquatic environment - chronic hazard</td>
<td>3</td>
<td>(Aquatic Chronic 3)</td>
</tr>
</tbody>
</table>

## SECTION 16: Other information

### 16.2 Abbreviations and acronyms

<table>
<thead>
<tr>
<th>Abbr.</th>
<th>Descriptions of used abbreviations</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td>Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)</td>
</tr>
<tr>
<td>Asp. Tox.</td>
<td>aspiration hazard</td>
</tr>
<tr>
<td>BCF</td>
<td>BioConcentration Factor</td>
</tr>
<tr>
<td>BOD</td>
<td>Biochemical Oxygen Demand</td>
</tr>
<tr>
<td>Carc.</td>
<td>carcinogenicity</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)</td>
</tr>
<tr>
<td>CLP</td>
<td>Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures</td>
</tr>
<tr>
<td>CMR</td>
<td>Carcinogenic, Mutagenic or toxic for Reproduction</td>
</tr>
<tr>
<td>COD</td>
<td>chemical oxygen demand</td>
</tr>
<tr>
<td>DMEL</td>
<td>Derived Minimal Effect Level</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived No-Effect Level</td>
</tr>
<tr>
<td>Flam. Liq.</td>
<td>flammable liquid</td>
</tr>
<tr>
<td>GHS</td>
<td>“Globally Harmonized System of Classification and Labelling of Chemicals” developed by the United Nations</td>
</tr>
<tr>
<td>IARC Monographs</td>
<td>IARC Monographs on the Evaluation of Carcinogenic Risks to Humans</td>
</tr>
<tr>
<td>log KOW</td>
<td>n-octanol/water</td>
</tr>
<tr>
<td>MARPOL</td>
<td>International Convention for the Prevention of Pollution from Ships (abbr. of “Marine Pollutant)</td>
</tr>
<tr>
<td>Muta.</td>
<td>germ cell mutagenicity</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration (United States)</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>PNEC</td>
<td>Predicted No-Effect Concentration</td>
</tr>
<tr>
<td>ppm</td>
<td>parts per million</td>
</tr>
<tr>
<td>Repr.</td>
<td>reproductive toxicity</td>
</tr>
</tbody>
</table>
Physical and chemical properties: The classification is based on tested mixture.

Health hazards/Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

<table>
<thead>
<tr>
<th>Abbr.</th>
<th>Descriptions of used abbreviations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corr.</td>
<td>corrosive to skin</td>
</tr>
<tr>
<td>Skin Irrit.</td>
<td>irritant to skin</td>
</tr>
<tr>
<td>STOT RE</td>
<td>specific target organ toxicity - repeated exposure</td>
</tr>
<tr>
<td>STOT SE</td>
<td>specific target organ toxicity - single exposure</td>
</tr>
<tr>
<td>vPvB</td>
<td>very Persistent and very Bioaccumulative</td>
</tr>
</tbody>
</table>

### 16.3 Key literature references and sources for data

### 16.4 Classification procedure
Physical and chemical properties: The classification is based on tested mixture.
Health hazards/Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### 16.5 List of relevant phrases (code and full text as stated in chapter 2 and 3)

<table>
<thead>
<tr>
<th>Code</th>
<th>Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>H224</td>
<td>extremely flammable liquid and vapor</td>
</tr>
<tr>
<td>H226</td>
<td>flammable liquid and vapor</td>
</tr>
<tr>
<td>H227</td>
<td>combustible liquid</td>
</tr>
<tr>
<td>H304</td>
<td>may be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H315</td>
<td>causes skin irritation</td>
</tr>
<tr>
<td>H336</td>
<td>may cause drowsiness or dizziness</td>
</tr>
<tr>
<td>H340</td>
<td>may cause genetic defects</td>
</tr>
<tr>
<td>H350</td>
<td>may cause cancer</td>
</tr>
<tr>
<td>H361f</td>
<td>suspected of damaging fertility</td>
</tr>
<tr>
<td>H372</td>
<td>causes damage to organs through prolonged or repeated exposure</td>
</tr>
</tbody>
</table>

### 16.7 Disclaimer
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