SECTION 1: Identification

1.1 Product identifier
   Trade name: Zymit®

1.2 Relevant identified uses of the substance or mixture and uses advised against
   Relevant identified uses: Professional use
   Cleaners
   Uses advised against: Do not use for private purposes (household).

1.3 Details of the supplier of the safety data sheet
   International Products Corporation
   201 Connecticut Drive
   Burlington, NJ
   08016
   United States
   https://www.ipcol.com/
   +1 6093868770
   E-mail (competent person): tmcguckin@ipcol.com (Thomas P. McGuckin)

1.4 Emergency telephone number
   Emergency information service: 1-609-386-8770
   This number is only available during the following office hours: Mon-Fri 08:00 AM - 04:30 PM, Eastern Time

SECTION 2: Hazard(s) identification

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

<table>
<thead>
<tr>
<th>Section</th>
<th>Hazard class</th>
<th>Category</th>
<th>Hazard class and category</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.4R</td>
<td>respiratory sensitization</td>
<td>1</td>
<td>Resp. Sens. 1</td>
<td>H334</td>
</tr>
</tbody>
</table>

For full text of abbreviations: see SECTION 16.

2.2 Label elements
   Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)
   - Signal word: danger
   - Pictograms: GHS08

   Hazard statements:
   H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P285 In case of inadequate ventilation wear respiratory protection.
P304+P341 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
P342+P311 If experiencing respiratory symptoms: Call a poison center/doctor.
P501 Dispose of contents/container to industrial combustion plant.

Hazardous ingredients for labelling

Protease (Subtilisin), Alpha-amylase

Other hazards

Hazards not otherwise classified

Repeated exposure may cause skin dryness or cracking.
Contains Protease (Subtilisin), Alpha-amylase. May produce an allergic reaction.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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>Classification acc. to GHS</th>
<th>Pictograms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol</td>
<td>CAS No 57-55-6</td>
<td>10 – &lt; 25</td>
<td>Acute Tox. 5 / H313</td>
<td></td>
</tr>
<tr>
<td>Methyl-oxirane polymer with oxirane</td>
<td>CAS No 9003-11-6</td>
<td>10 – &lt; 25</td>
<td>Acute Tox. 5 / H303</td>
<td></td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>CAS No 102-71-6</td>
<td>1 – &lt; 5</td>
<td>Acute Tox. 5 / H313</td>
<td></td>
</tr>
<tr>
<td>Glycerin</td>
<td>CAS No 56-81-5</td>
<td>1 – &lt; 5</td>
<td>Acute Tox. 2 / H300</td>
<td>Aquatic Chronic 4 / H413</td>
</tr>
<tr>
<td>Protease (Subtilisin)</td>
<td>CAS No 9014-01-1</td>
<td>&lt; 1</td>
<td>Acute Tox. 4 / H302</td>
<td>Skin Irrit. 2 / H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1 / H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Resp. Sens. 1 / H334</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3 / H335</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 2 / H401</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 2 / H411</td>
</tr>
<tr>
<td>Alpha-amylase</td>
<td>CAS No 9000-90-2</td>
<td>&lt; 1</td>
<td>Acute Tox. 4 / H332</td>
<td>Resp. Sens. 1 / H334</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 3 / H402</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 4 / H413</td>
</tr>
</tbody>
</table>

For full text of abbreviations: see SECTION 16.
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
If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact
Wash with plenty of soap and water.

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

4.2 Most important symptoms and effects, both acute and delayed
Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed
none

SECTION 5: Fire-fighting measures

5.1 Extinguishing media
Suitable extinguishing media
Water spray, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media
Water jet

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products
Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)

5.3 Advice for firefighters
Coordinate 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 of it.

6.3 **Methods and material for containment and cleaning up**
Advice 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.

6.4 **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. Use only in well-ventilated areas.
Advice on general occupational hygiene
Wash hands after use. Do not 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**
- Specific designs for storage rooms or vessels
- Storage temperature
  Recommended storage temperature: 2 – 25 °C

7.3 **Specific end use(s)**
See section 16 for a general overview.

**SECTION 8: Exposure controls/personal protection**

8.1 **Control parameters**

<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>Ceiling-C [ppm]</th>
<th>Ceiling-C [mg/m³]</th>
<th>Notation</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>triethanolamine</td>
<td>102-71-6</td>
<td>PEL (CA)</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cal/OSHA PEL</td>
</tr>
<tr>
<td>US</td>
<td>triethanolamine</td>
<td>102-71-6</td>
<td>TLV®</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ACGIH® 2019</td>
</tr>
<tr>
<td>US</td>
<td>glycerine</td>
<td>56-81-5</td>
<td>REL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>mist, appx-D NIOSH REL</td>
</tr>
</tbody>
</table>
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>Ceiling-C [ppm]</th>
<th>Ceiling-C [mg/m³]</th>
<th>Notation</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>glycerol</td>
<td>56-81-5</td>
<td>PEL</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td>mist, i</td>
<td>29 CFR 1910.100 0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>US</td>
<td>glycerol</td>
<td>56-81-5</td>
<td>PEL</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>mist, r</td>
<td>29 CFR 1910.100 0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>US</td>
<td>enzymes, subtilisin</td>
<td>9014-01-1</td>
<td>TLV®</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.00006</td>
<td>enzym</td>
<td>ACGIH® 2019</td>
<td></td>
</tr>
<tr>
<td>US</td>
<td>subtilisin</td>
<td>9014-01-1</td>
<td>PEL (CA)</td>
<td>0.00006</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>enzym</td>
<td>Cal/ OSHA PEL</td>
<td></td>
</tr>
<tr>
<td>US</td>
<td>Subtilisins (Carlsburg)</td>
<td>9014-01-1</td>
<td>REL</td>
<td>0.00006</td>
<td>(60 min)</td>
<td></td>
<td></td>
<td></td>
<td>NIOSH</td>
<td>REL</td>
<td></td>
</tr>
</tbody>
</table>

**Notation**
- appx-D see Appendix D - Substances with No Established RELs
- Ceiling-C ceiling value is a limit value above which exposure should not occur
- enzym calculated as 100 % pure crystalline enzyme
- i inhalable fraction
- mist as mists
- r respirable fraction
- 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 (unless otherwise specified)

Relevant DNELs of components of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Endpoint</th>
<th>Threshold level</th>
<th>Protection goal, route of exposure</th>
<th>Used in</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>DNEL</td>
<td>56 mg/m³</td>
<td>human, inhalatory</td>
<td>worker (industry)</td>
<td>chronic - local effects</td>
</tr>
</tbody>
</table>

Relevant PNECs of components of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Endpoint</th>
<th>Threshold level</th>
<th>Organism</th>
<th>Environmental compartment</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>PNEC</td>
<td>0.885 mg/l</td>
<td>aquatic organisms</td>
<td>freshwater</td>
<td>short-term (single instance)</td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>PNEC</td>
<td>0.088 mg/l</td>
<td>aquatic organisms</td>
<td>marine water</td>
<td>short-term (single instance)</td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>PNEC</td>
<td>1,000 mg/l</td>
<td>aquatic organisms</td>
<td>sewage treatment plant (STP)</td>
<td>short-term (single instance)</td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>PNEC</td>
<td>3.3 mg/kg</td>
<td>aquatic organisms</td>
<td>freshwater sediment</td>
<td>short-term (single instance)</td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>PNEC</td>
<td>0.33 mg/kg</td>
<td>aquatic organisms</td>
<td>marine sediment</td>
<td>short-term (single instance)</td>
</tr>
</tbody>
</table>
### Relevant PNECs of components of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Endpoint</th>
<th>Threshold level</th>
<th>Organism</th>
<th>Environmental compartment</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>PNEC</td>
<td>0.141 mg/kg</td>
<td>terrestrial organisms</td>
<td>soil</td>
<td>short-term (single instance)</td>
</tr>
<tr>
<td>Protease (Subtilisin)</td>
<td>9014-01-1</td>
<td>PNEC</td>
<td>1.7 µg/l</td>
<td>aquatic organisms</td>
<td>freshwater</td>
<td>short-term (single instance)</td>
</tr>
<tr>
<td>Protease (Subtilisin)</td>
<td>9014-01-1</td>
<td>PNEC</td>
<td>0.17 µg/l</td>
<td>aquatic organisms</td>
<td>marine water</td>
<td>short-term (single instance)</td>
</tr>
<tr>
<td>Protease (Subtilisin)</td>
<td>9014-01-1</td>
<td>PNEC</td>
<td>65,000 µg/l</td>
<td>aquatic organisms</td>
<td>sewage treatment plant (STP)</td>
<td>short-term (single instance)</td>
</tr>
<tr>
<td>Protease (Subtilisin)</td>
<td>9014-01-1</td>
<td>PNEC</td>
<td>568 µg/kg</td>
<td>terrestrial organisms</td>
<td>soil</td>
<td>short-term (single instance)</td>
</tr>
<tr>
<td>Alpha-amylase</td>
<td>9000-90-2</td>
<td>PNEC</td>
<td>5.2 µg/l</td>
<td>aquatic organisms</td>
<td>freshwater</td>
<td>short-term (single instance)</td>
</tr>
<tr>
<td>Alpha-amylase</td>
<td>9000-90-2</td>
<td>PNEC</td>
<td>0.52 µg/l</td>
<td>aquatic organisms</td>
<td>marine water</td>
<td>short-term (single instance)</td>
</tr>
<tr>
<td>Alpha-amylase</td>
<td>9000-90-2</td>
<td>PNEC</td>
<td>65,000 µg/l</td>
<td>aquatic organisms</td>
<td>sewage treatment plant (STP)</td>
<td>short-term (single instance)</td>
</tr>
<tr>
<td>Alpha-amylase</td>
<td>9000-90-2</td>
<td>PNEC</td>
<td>0.001 mg/kg</td>
<td>terrestrial organisms</td>
<td>soil</td>
<td>short-term (single instance)</td>
</tr>
</tbody>
</table>

### 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**

<table>
<thead>
<tr>
<th>Physical state</th>
<th>liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>clear - yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>characteristic</td>
</tr>
</tbody>
</table>

**Other safety parameters**

<table>
<thead>
<tr>
<th>pH (value)</th>
<th>6.9 – 8.4 (25 °C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/freezing point</td>
<td>-8 °C</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>100 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>not determined</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>not relevant, (fluid)</td>
</tr>
</tbody>
</table>

**Explosive limits**

- **Lower explosion limit (LEL)** | 2.7 vol% |
- **Upper explosion limit (UEL)** | 19 vol% |

<table>
<thead>
<tr>
<th>Vapor pressure</th>
<th>20 Pa at 25 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>1.025 – 1.065 g/cm³ at 25 °C</td>
</tr>
<tr>
<td>Vapor density</td>
<td>this information is not available</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>not determined</td>
</tr>
</tbody>
</table>

**Partition coefficient**

- **n-octanol/water (log KOW)** | this information is not available |

**Auto-ignition temperature** | 370 °C (auto-ignition temperature (liquids and gases)) |

**Viscosity**
SECTION 10: Stability and reactivity

10.1 Reactivity
Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability
See below "Conditions to avoid".

10.3 Possibility of hazardous reactions
No known hazardous reactions.

10.4 Conditions to avoid
Do not mix with other chemicals.

10.5 Incompatible materials
Avoid extended contact with uncured paint, zinc, aluminum, cold rolled steel, or copper and its alloys. Avoid contact with polycarbonate, polymethyl methacrylate, and polyphenylene oxide as these plastics may craze over time. Refer to product's compatibility sheets for further details.

10.6 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
Basis of test data.
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.

Acute toxicity estimate (ATE) of components of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Exposure route</th>
<th>ATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>oral</td>
<td>27 mg/kg</td>
</tr>
<tr>
<td>Protease (Subtilisin)</td>
<td>9014-01-1</td>
<td>oral</td>
<td>1,800 mg/kg</td>
</tr>
<tr>
<td>Alpha-amylase</td>
<td>9000-90-2</td>
<td>inhalation: vapor</td>
<td>11 mg/l/4h</td>
</tr>
</tbody>
</table>
Acute toxicity estimate (ATE) of components of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Exposure route</th>
<th>ATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha-amylase</td>
<td>9000-90-2</td>
<td>inhalation: dust/mist</td>
<td>4.96 mg/l/4h</td>
</tr>
</tbody>
</table>

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

Serious eye damage/eye irritation
Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity
Shall not be classified as germ cell mutagenic.

Carcinogenicity
Shall not be classified as carcinogenic.

Reproductive toxicity
Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure
Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure
Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard
Shall not be classified as presenting an aspiration hazard.

Other information
Repeated exposure may cause skin dryness or cracking.

SECTION 12: Ecological information

12.1 Toxicity
Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability
Data are not available.

12.3 Bioaccumulative potential
Data are not available.

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
   Endocrine disrupting potential
   None of the ingredients are listed.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
   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.
   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
   not subject to transport regulations
14.2 UN proper shipping name
   not assigned
14.3 Transport hazard class(es)
   not assigned
14.4 Packing group
   not assigned
14.5 Environmental hazards
   non-environmentally hazardous acc. to the dangerous goods regulations
14.6 Special precautions for user
   There is no additional information.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question
   National regulations (United States)
   Toxic Substance Control Act (TSCA)
   all ingredients are listed
   Superfund Amendment and Reauthorization Act (SARA TITLE III)
   - The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)
     None of the ingredients are listed.
   - Specific Toxic Chemical Listings (EPCRA Section 313)
     None of the ingredients are listed
   Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)
   - List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)
     None of the ingredients are listed.
Clean Air Act
None of the ingredients are listed.

New Jersey Worker and Community Right to Know Act

Right to Know Hazardous Substance List

<table>
<thead>
<tr>
<th>Name acc. to inventory</th>
<th>CAS No</th>
<th>Remarks</th>
<th>Classifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLYCERIN (1,2,3-PROPANETRIOL)</td>
<td>56-81-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987
Not applicable.

Industry or sector specific available guidance(s)

NPCA-HMIS® III

<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>1</td>
<td>material that must be preheated before ignition can occur</td>
</tr>
<tr>
<td>Physical hazard</td>
<td>0</td>
<td>material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive</td>
</tr>
<tr>
<td>Personal protection</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>1</td>
<td>material that must be preheated before ignition can occur</td>
</tr>
<tr>
<td>Health</td>
<td>1</td>
<td>material that, under emergency conditions, can cause significant irritation</td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
<td>material that is normally stable, even under fire conditions</td>
</tr>
<tr>
<td>Special hazard</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

National inventories

<table>
<thead>
<tr>
<th>Country</th>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU</td>
<td>REACH Reg.</td>
<td>not all ingredients are listed</td>
</tr>
<tr>
<td>US</td>
<td>TSCA</td>
<td>all ingredients are listed</td>
</tr>
</tbody>
</table>

Legend
REACH Reg. REACH registered substances
TSCA Toxic Substance Control Act
15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Key literature references and sources for data


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).

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>H300</td>
<td>Fatal if swallowed.</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>H303</td>
<td>May be harmful if swallowed.</td>
</tr>
<tr>
<td>H313</td>
<td>May be harmful in contact with skin.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H334</td>
<td>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td>H401</td>
<td>Toxic to aquatic life.</td>
</tr>
<tr>
<td>H402</td>
<td>Harmful to aquatic life.</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>H413</td>
<td>May cause long lasting harmful effects to aquatic life.</td>
</tr>
</tbody>
</table>

Disclaimer

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