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

1.1. Product identifier

Product name: AGITAN® 5292
Material No.: U15292
Historic Material No.: U15292

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Anti-foaming agent (defoamer)
Uses advised against: Consumer use

1.3. Details of the supplier of the safety data sheet

Manufacturer: Munzing - Ultra Additives LLC.
1455 Broad Street
Bloomfield NJ 07003
United States

Email: info@munzing.us
Phone: 1-973-279-1306

Supplier: Münzing Chemie GmbH
Münzingstrasse 2
74232 Abstatt
Germany

Email: info@munzing.com
Phone: +49 (0) 7131/987-0

Emergency Telephone

Emergency telephone: CHEMTREC: +1 703 741 5970

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.2. Label Elements
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]
EUH210 - Safety data sheet available on request

2.3. Other hazards
No information available.

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

**Chemical nature of the product**  
Polymer mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>EC No</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
<th>REACH registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decamethylcyclopentasiloxane</td>
<td>208-764-9</td>
<td>541-02-6</td>
<td>&lt;0.30</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>209-136-7</td>
<td>556-67-2</td>
<td>&lt;0.30</td>
<td>Repr. 2 (H361f) Aquatic Chronic 4 (H413) Flamm. Liq. 3 (H226)</td>
<td>-</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>200-338-0</td>
<td>57-55-6</td>
<td>1 - &lt;3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Modified Silica</td>
<td>Listed</td>
<td>-</td>
<td>3 - &lt;5</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Full text of H- and EUH-phrases: see section 16

Substance with a Community workplace exposure limit.

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

**Eye Contact**  
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin Contact**  
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Inhalation**  
Move victim to fresh air.

**Ingestion**  
Clean mouth with water and drink afterwards plenty of water.

**Self-Protection of the First Aider**  
Use personal protection equipment.

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

Most important symptoms and effects  
No information available.

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

**Notes to Physician**  
Treat symptomatically.

### Section 5: FIRE FIGHTING MEASURES
5.1. Extinguishing media
Suitable extinguishing media
Water spray. Carbon dioxide (CO2). Dry chemical. Alcohol resistant foam.

Unsuitable Extinguishing Media
Do not use water jetstream.

5.2. Special hazards arising from the substance or mixture
Hazardous combustion products
Thermal decomposition can lead to release of irritating and toxic gases and vapors.

5.3. Advice for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Personal precautions
Use personal protection equipment. Avoid contact with skin, eyes or clothing.

Protective precautions
Use personal protection equipment.

6.2. Environmental precautions
Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
Methods for Containment
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Methods for Clean-Up
Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections
See Sections 5 & 7 for additional information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Handling
Use personal protection equipment. Avoid contact with skin, eyes or clothing. Handle in accordance with good industrial hygiene and safety practice.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice. Slippery, can cause falls if walked on.

7.2. Conditions for safe storage, including any incompatibilities
Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers.

7.3. Specific end use(s)
Specific Uses
No information available.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1. Control parameters

Exposure limits

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>European Union</th>
<th>United Kingdom</th>
<th>France</th>
<th>Spain</th>
<th>Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol</td>
<td>TWA: 150 ppm</td>
<td>TWA: 10 mg/m³</td>
<td>STEL: 450 ppm</td>
<td>STEL: 1422 mg/m³</td>
<td>STEL: 30 mg/m³</td>
</tr>
<tr>
<td>Modified Silica</td>
<td>TWA: 6 mg/m³</td>
<td>TWA: 2.4 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
<td>STEL: 18 mg/m³</td>
<td>STEL: 7.2 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Italy</th>
<th>Portugal</th>
<th>Netherlands</th>
<th>Finland</th>
<th>Denmark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modified Silica</td>
<td>-</td>
<td>TWA: 0.075 mg/m³</td>
<td>-</td>
<td>TWA: 5 mg/m³</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Austria</th>
<th>Switzerland</th>
<th>Poland</th>
<th>Norway</th>
<th>Ireland</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol</td>
<td>-</td>
<td>TWA: 100 mg/m³</td>
<td>-</td>
<td>TWA: 25 ppm</td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td>Modified Silica</td>
<td>TWA: 4 mg/m³</td>
<td>-</td>
<td>-</td>
<td>TWA: 1.5 mg/m³</td>
<td>TWA: 6 mg/m³</td>
</tr>
</tbody>
</table>

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/Face Protection Safety glasses with side-shields. If splashes are likely to occur, wear tight sealing safety goggles.

Skin protection Wear suitable protective clothing and gloves.

Respiratory protection In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Environmental exposure controls No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/ Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Opaque, White</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

pH 6.58 No information available
Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity

Stable under normal conditions.

10.2. Chemical stability

Chemical Stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Conditions to Avoid

Heat, flames and sparks. Prolonged heating at temperatures above 150 °C.

10.5. Incompatible materials

Incompatible Materials


Hazardous decomposition products

Hazardous decomposition products


Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

Product Information

Eyes

Contact with eyes may cause irritation. Avoid contact with eyes.

Skin

Substance may cause slight skin irritation. Avoid contact with skin.

Inhalation

Health injuries are not known or expected under normal use.
Ingestion

Health injuries are not known or expected under normal use.

Unknown acute toxicity

Not applicable.

ATEmix (oral) 5,801.00 mg/kg
ATEmix (dermal) 20,800.00 mg/kg
ATEmix (inhalation-dust/mist) No data available
ATEmix (inhalation-vapor)

Component Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>&gt; 4800 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>= 36 mg/l (Rat) 4 h</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>= 20 g/kg (Rat)</td>
<td>= 20800 mg/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Organosiloxane</td>
<td>&gt; 24 g/kg (Rat) &gt; 17 g/kg (Rat)</td>
<td>&gt; 2 g/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Modified Silica</td>
<td>= 7900 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 2.2 mg/L (Rat) 1 h</td>
</tr>
<tr>
<td>Polyglycol</td>
<td>= 5700 mg/kg (Rat)</td>
<td>= 16 g/kg (Rat)</td>
<td>= 320 mg/m³ (Rat) 4 h</td>
</tr>
</tbody>
</table>

Skin Corrosion/Irritation

No information available.

Eye damage/irritation

No information available.

Sensitization

No information available.

Mutagenic effects

No information available.

Reproductive Effects

Contains material that may cause adverse reproductive effects.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration Hazard

No information available.

Carcinogenic effects

No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Information given is based on data on the components and the ecotoxicology of similar products.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Algae</th>
<th>Fish</th>
<th>Daphnia magna</th>
</tr>
</thead>
<tbody>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>-</td>
<td>1000: 96 h Lepomis macrochirus mg/L LC50 500: 96 h Brachydanio rerio mg/L LC50</td>
<td>25.2: 24 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>19000: 96 h Pseudokirchneriella subcapitata mg/L EC50</td>
<td>LC50: 710-55770 mg/L, 96h (Fathead minnow)</td>
<td>EC50: &gt; 10000 mg/L 48 h</td>
</tr>
<tr>
<td>Modified Silica</td>
<td>440: 72 h Pseudokirchneriella subcapitata mg/L EC50</td>
<td>5000: 96 h Brachydanio rerio mg/L LC50 static</td>
<td>7600: 48 h Ceriodaphnia dubia mg/L EC50</td>
</tr>
<tr>
<td>Polyglycol</td>
<td>EC50, 48 hr: &gt;100 mg/L</td>
<td>LC50: &gt;100 mg/l (Golden orfe), 96 hr</td>
<td>EC50 (48 h): &gt; 100 mg/l</td>
</tr>
</tbody>
</table>

Unknown Aquatic Toxicity

48.75 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.
Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>5.1</td>
</tr>
</tbody>
</table>

Mobility in soil

No information available.

### 12.4. Mobility in soil

Bioaccumulation/Accumulation

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>PBT and vPvB assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decamethylcyclopentasiloxane</td>
<td>The substance is not PBT / vPvB</td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>The substance is not PBT / vPvB</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>The substance is not PBT / vPvB</td>
</tr>
<tr>
<td>Modified Silica</td>
<td>The substance is not PBT / vPvB</td>
</tr>
</tbody>
</table>

### Other adverse effects

No information available.

---

### Section 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

**Waste from residues/unused products**: Contain and dispose of waste according to local regulations.

**Contaminated packaging**: Empty remaining contents.

**Waste codes / waste designations according to EWC / AVV**: Not applicable.

### Section 14: TRANSPORT INFORMATION

**RID**: Not regulated

**IMDG/IMO**: Not regulated

**IATA**: Not regulated

### Section 15: REGULATORY INFORMATION

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

**International Inventories**

- **US TSCA**: Complies
- **Australia (AICS)**: Complies
- **Canada (DSL)**: Complies
- **China (IECSC)**: Complies
- **Europe (EINECS/ELINCS/NLP)**: Complies
- **Japan (ENCS)**: Complies
Chemical name | French RG number | Title
---|---|---
Propylene Glycol 57-55-6 | RG 84 | -
Modified Silica | RG 25 | -

Germany

WGK Classification (AwSV) Water endangering class = 1 (self estimation)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:
This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Restricted substance per REACH Annex XVII</th>
<th>Substance subject to authorization per REACH Annex XIV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decamethylcyclopentasiloxane - 541-02-6</td>
<td>70.</td>
<td></td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane - 556-67-2</td>
<td>70.</td>
<td></td>
</tr>
</tbody>
</table>

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H361f - Suspected of damaging fertility
H413 - May cause long lasting harmful effects to aquatic life
H226 - Flammable liquid and vapor

Legend
SVHC: Substances of Very High Concern for Authorization:

TWA - TWA (time-weighted average)
STEL - STEL (Short Term Exposure Limit)
Ceiling - Maximum limit value
* - Skin designation
Classification procedure
Minimum classification

Issue Date: 2020-03-04
Revision Date: 2020-03-04
Reason for revision Not applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet