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

1.1. Product identifier

Product name  FOAM BAN® HP980
Material No.  8181
Historic Material No.  U2HP980

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

<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 No.</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>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

Substances for which there are Community workplace exposure limits.
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. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**
No information available.
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
Advice for fire-fighters  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
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.

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>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>-</td>
<td>-</td>
<td>TWA: 5 mg/m³</td>
<td>-</td>
</tr>
</tbody>
</table>
## 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>

### 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**: Tight sealing safety goggles.
- **Skin protection**: Wear suitable protective clothing and gloves. Wear protective nitrile rubber gloves. Glove thickness. > 0.4 mm. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific 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 10: STABILITY AND REACTIVITY

#### Property

- **pH**: No information available
- **Melting point**: No information available
- **Boiling point**: No information available
- **Flash Point**: No information available
- **Evaporation rate**: No information available
- **Flammability (solid, gas)**: No information available
- **Flammability Limit in Air**: No information available
  - **Upper flammability limit**: No information available
  - **Lower flammability limit**: No information available
- **Vapor Pressure**: No information available
- **Vapor density**: No information available
- **Specific Gravity**: 1.02
- **Water Solubility**: No information available
- **Solubility in other solvents**: Dispersible
- **Partition coefficient: n-octanol/water**: No information available
- **Autoignition temperature**: No information available
- **Decomposition temperature**: No information available.
- **Viscosity**: 1740 cP
- **Explosive properties**: No information available
- **Oxidizing properties**: No information available
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.

10.5. Incompatible materials
Incompatible Materials

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) 5,038.00 mg/kg
ATEmix (dermal) 20,070.00 mg/kg
ATEmix (inhalation-dust/mist) 100.00 mg/L

<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>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>Polyalkylene glycol</td>
<td>= 5700 mg/kg ( Rat ) = 16 g/kg ( Rat )</td>
<td></td>
<td>= 320 mg/m² ( Rat ) 4 h</td>
</tr>
<tr>
<td>Butoxypolyalkylneglycol</td>
<td>= 5 g/kg ( Rat ) = 12300 µL/kg ( Rat )</td>
<td>&gt; 20 mL/kg ( Rabbit ) = 14100 µL/kg ( Rabbit )</td>
<td>&gt; 5.01 mg/l (Rat) 4h No deaths at this concentration</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  
Possible risk of impaired fertility. Possible risk of harm to the unborn child.

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**

<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</td>
<td>25.2: 24 h Daphnia magna mg/L</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5000: 96 h Brachydanio rerio mg/L LC50</td>
<td>EC50</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>Polyalkylene glycol</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>
<tr>
<td>Butoxypolyalkyleneglycol</td>
<td>-</td>
<td>LC50(96h): &gt; 100 mg/IL (Golden orfe)</td>
<td>-</td>
</tr>
</tbody>
</table>

Unknown Aquatic Toxicity  
Not applicable.

**Persistence and degradability**

Persistence and degradability  
No information available.

**12.3. Bioaccumulative potential**

Bioaccumulation/Accumulation  
.

<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>

**12.4. Mobility in soil**

Mobility in Environmental Media  
No information available.

**12.5. Results of PBT and vPvB assessment**

PBT and vPvB assessment  
Not applicable.

**12.6. Other adverse effects**

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

ADR/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

South Korea (KECL)
Complies

Philippines (PICCS)
Complies

New Zealand
Complies

Taiwan (TCSI)
Complies

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

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 does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

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
H226 - Flammable liquid and vapor
H361f - Suspected of damaging fertility
H413 - May cause long lasting harmful effects to aquatic life

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: 2018-05-01
Revision Date: 2019-01-20
Reason for revision SDS sections updated, 3.

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

Disclaimer
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End of Safety Data Sheet