

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008  
Classification according to Directive 67/548/EEC or 1999/45/EC

Issue Date: 2010-10-27

Revision Date: 2015-04-01

Revision Number: 3

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

### 1.1. Product identifier

Product name FOAM BAN® 225D  
Product code U2225D

### 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

### 1.4. Emergency telephone number

Emergency telephone CHEMTREC (24 hrs - for spill, leak or transportation incidents):  
US: 1-800-424-9300  
non-US: 1-703-527-3887  
  
EU: +49 761 19240 (VIZ Freiburg)

Europe 112

## 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]

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**  
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC

### **Symbol**

Not dangerous

Full text of R-phrases: see section 16

### **2.2. Label Elements**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

### **2.3. Other hazards**

No information available.

## **Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

### **3.2 Mixtures**

**Chemical nature of the product**      Aqueous dispersion.

**Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC**

Full text of R-phrases: see section 16

**This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]**

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

## **Section 4: FIRST AID MEASURES**

### **4.1. Description of first aid measures**

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Inhalation</b>	Move victim to fresh air.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.
<b>Self-Protection of the First Aider</b>	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 (CO<sub>2</sub>). Dry chemical. Alcohol resistant foam.

**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 gases and vapours.

## **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 and 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** Handle in accordance with good industrial hygiene and safety practice.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse.

## **7.2. Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep at temperatures above 0°C. Keep from freezing. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

## **7.3. Specific end use(s)**

**Specific Uses** No information available.

# **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

## **8.1. Control parameters**

**Exposure limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration** No information available.

(PNEC)

## 8.2. Exposure controls

<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal protective equipment</b>	
<b>Eye/Face Protection</b>	Safety glasses with side-shields. If splashes are likely to occur, wear: Tight sealing safety goggles.
<b>Skin protection</b>	Wear suitable protective clothing and gloves.
<b>Respiratory protection</b>	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
<b>Environmental exposure controls</b>	No information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	
<b>Appearance</b>	Off-white	
<b>Odor</b>	mild	
<b>Odor threshold</b>	No information available	
<b>Property</b>	<b>Values</b>	<b>Remarks/ Method</b>
<b>pH</b>	8.4	No information available
<b>Melting point/freezing point</b>	No information available	No information available
<b>Boiling point</b>	100 °C	No information available
<b>Flash Point</b>	> 100 °C	No information available
<b>Evaporation rate</b>	No information available	No information available
<b>Flammability (solid, gas)</b>	No information available	No information available
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit</b>	No information available	
<b>Lower flammability limit</b>	No information available	
<b>Vapor Pressure</b>	No information available	No information available
<b>Vapor density</b>	No information available	No information available
<b>Specific Gravity</b>	0.99	No information available
<b>Water Solubility</b>	No information available	No information available
<b>Solubility in other solvents</b>	Dispersible	No information available
<b>Partition coefficient: n-octanol/water</b>	No information available	No information available
<b>Autoignition temperature</b>	No information available	No information available
<b>Decomposition temperature</b>	No information available.	No information available
<b>Viscosity</b>	~1225 cP@25C	No information available
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

### 9.2. Other information

**VOC content (%)** 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** Keep at temperatures above 0°C.

### 10.5. Incompatible materials

**Incompatible Materials** Strong oxidizing agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Carbon oxides. Formaldehyde. Silicon dioxide.

## 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** 13.1383% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 471,020 mg/kg  
**ATEmix (dermal)** 55,414.00 mg/kg  
**ATEmix (inhalation-dust/mist)** No data available

##### **Component Information**

Component	Oral LD50	Dermal LD50	Inhalation LC50
Organosiloxane polymer	> 17 g/kg ( Rat )	> 2 g/kg ( Rabbit )	

**Skin Corrosion/Irritation** No information available.

**Eye damage/irritation** No information available.

**Sensitization** Not available.

**Mutagenic effects** No information available.

**Reproductive Effects** No information available.

**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.

**Unknown Aquatic Toxicity** 16.0996% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Component	Algae	Fish	Daphnia magna
Organosiloxane polymer	-	-	EC50: 220-520 mg/L

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulation/Accumulation** No information available.

### 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.

**Other information** Waste codes should be assigned by the user based on the application for which the product was used.

## 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

<b>US TSCA</b>	Complies
<b>Australia (AICS)</b>	Complies
<b>Canada (DSL)</b>	Complies
<b>China (IECSC)</b>	Complies
<b>Europe (EINECS/ELINCS/NLP)</b>	Complies
<b>Japan (METI)</b>	Complies
<b>South Korea (KECL)</b>	Complies
<b>Philippines (PICCS)</b>	Complies

### **Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - 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

**WGK Classification (VwVws)** Water endangering class = 1 (self classification)

### **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 R-phrases referred to under sections 2 and 3**

No information available

#### **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:** 2010-10-27  
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**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

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**End of Safety Data Sheet**