

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issue Date: 2012-03-13

Revision Date: 2018-12-18

Revision Number: 4

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

### 1.1. Product identifier

**Product name** FOAM BAN® TK-200  
**Material No.** 5317  
**Historic Material No.** U2TK200

*Contains 2-Methyl-3-isothiazolone*

### 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]**

Skin Sensitization	Category 1 - (H317)
Chronic aquatic toxicity	Category 3 - (H412)

### 2.2. Label Elements

**Signal Word**

Warning

**Hazard Statements**

H317 - May cause an allergic skin reaction

H412 - Harmful to aquatic life with long lasting effects

**Precautionary Statements - EU (§28, 1272/2008)**

P280 - Wear eye protection/ face protection

P321 - Specific treatment (see supplemental first aid instructions on this label)

**2.3. Other hazards**

No information available.

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.2 Mixtures****Chemical nature of the product** Polymer dispersion

Chemical name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH No.
2-Methyl-3-isothiazolone	220-239-6	2682-20-4	<0.30	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Skin Corr. 1B (H314) Skin Sen. 1A (H317) Eye Dam. 1 (H318) STOT SE 3 (H335) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-
Dodecamethylcyclohexasiloxane	208-762-8	540-97-6	<0.30	-	-

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

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, also under the eyelids.

**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.

**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** 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**

<b>Handling</b>	Use personal protection equipment. Avoid contact with skin, eyes or clothing. Handle in accordance with good industrial hygiene and safety practice.
<b>General Hygiene Considerations</b>	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

<b>Storage Conditions</b>	Keep container tightly closed in a dry and well-ventilated place. Keep at temperatures between 10 and 30°C. Keep from freezing. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.
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### 7.3. Specific end use(s)

<b>Specific Uses</b>	No information available.
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## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure limits

Chemical name	Austria	Switzerland	Poland	Norway	Ireland
2-Methyl-3-isothiazolone	Skin TWA: 0.05 mg/m <sup>3</sup>	STEL: 0.4 mg/m <sup>3</sup> TWA: 0.2 mg/m <sup>3</sup>	-	-	-

<b>Derived No Effect Level (DNEL)</b>	No information available.
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<b>Predicted No Effect Concentration (PNEC)</b>	No information available.
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### 8.2. Exposure controls

<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas.
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#### Personal protective equipment

<b>Eye/Face Protection</b>	Safety glasses with side-shields. If splashes are likely to occur, wear: Tight sealing safety goggles.
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<b>Skin protection</b>	Wear suitable protective clothing and 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.
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<b>Respiratory protection</b>	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
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<b>Environmental exposure controls</b>	No information available.
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## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Physical State</b>	Liquid
<b>Appearance</b>	Opaque, Off-white
<b>Odor</b>	Slight
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	7.4	No information available

Melting point	No information available	No information available
Boiling point	No information available	No information available
Flash Point	> 93.3 °C / 200 °F	No information available
Evaporation rate	No information available	No information available
Flammability (solid, gas)	No information available	No information available
Flammability Limit in Air		
Upper flammability limit	No information available	
Lower flammability limit	No information available	
Vapor Pressure	No information available	No information available
Vapor density	No information available	No information available
Specific Gravity	1.02	No information available
Water Solubility	No information available	No information available
Solubility in other solvents	Dispersible in water	No information available
Partition coefficient: n-octanol/water	No information available	No information available
Autoignition temperature	No information available	No information available
Decomposition temperature	No information available.	No information available
Viscosity	No information available	No information available
Explosive properties	No information available	
Oxidizing properties	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.

### 10.5. Incompatible materials

**Incompatible Materials** Strong oxidizing agents.

### Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition can lead to release of irritating and toxic gases and vapors. 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** May cause sensitization by skin contact. Avoid contact with skin.

<b>Inhalation</b>	Health injuries are not known or expected under normal use.
<b>Ingestion</b>	Health injuries are not known or expected under normal use.
<b>Unknown acute toxicity</b>	Not applicable.
<b>ATEmix (oral)</b>	7,624.00 mg/kg
<b>ATEmix (dermal)</b>	17,088.00 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	No data available

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Polypropylene glycol	= 3750 mg/kg ( Rat ) > 2 g/kg ( Rat )		
2-Methyl-3-isothiazolone	232 - 249 mg/kg ( Rat ) = 120 mg/kg ( Rat )	= 200 mg/kg ( Rabbit )	0.35 mg/l (Rat, 4 h)
Organosiloxane polymer	> 24 g/kg ( Rat ) > 17 g/kg ( Rat )	> 2 g/kg ( Rabbit )	

<b>Skin Corrosion/Irritation</b>	No information available.
<b>Eye damage/irritation</b>	No information available.
<b>Sensitization</b>	May cause sensitization by skin contact.
<b>Mutagenic effects</b>	No information available.
<b>Reproductive Effects</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration Hazard</b>	No information available.
<b>Carcinogenic effects</b>	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.

Chemical name	Algae	Fish	Daphnia magna
Polypropylene glycol	-	LC50 (96h): >100 mg/L (Rainbow trout)	EC50 (48 h): > 100 mg/l
2-Methyl-3-isothiazolone	EC50: 0.22 mg/l (Selenastrum capricornutum)	LC50 (96h): 4.77 - 6.0 mg/l (Oncorhynchus mykiss (rainbow trout) LC50 (96h): 10 mg/l (Bluegill sunfish)	EC50 (48h): 0.93 - 1.9 mg/l (Daphnia magna)

**Unknown Aquatic Toxicity** 29.457% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

**Persistence and degradability**

**Persistence and degradability** . Taking into consideration the properties of several components, the product is estimated

not to be readily biodegradable according to OECD classification.

### 12.3. Bioaccumulative potential

**Bioaccumulation/Accumulation** . This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

### 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

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 = 2 (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**

H301 - Toxic if swallowed  
H311 - Toxic in contact with skin  
H314 - Causes severe skin burns and eye damage  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H335 - May cause respiratory irritation  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects

**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

**Key literature references and sources for data**

www.decernis.com  
www.ChemADVISOR.com/

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**Reason for revision** SDS sections updated, 2, 3, 11, 15.

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

**Disclaimer**

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**End of Safety Data Sheet**