

Issue Date: 2017-10-25

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Revision Number: 1

## 1. IDENTIFICATION

### 1.1. Product identifier

**Product name** FOAM BAN® TK-360

**Other means of identification**

**Material No.** U2TK360

**Historic Material No.** U2TK360

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

**Recommended Use** 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

### 1.4. Emergency telephone number

**Emergency telephone number** CHEMTREC (24 hrs - for spill, leak or transportation incidents):  
US: 1-800-424-9300  
non-US: 1-703-527-3887

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### 2.2. Label Elements

The product contains no substances which at their given concentration, are considered to be hazardous to health

### 2.3. Other hazards

**Hazards not otherwise classified (HNOC)** Not applicable

**Other Information** Not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

The product contains no substances which at their given concentration, are considered to be hazardous to health.

## 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.

**Inhalation** Move victim to fresh air.

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

### 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.

## 5. FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media** Water spray. Carbon dioxide (CO<sub>2</sub>). 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 gases and vapors. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Silicon dioxide. Formaldehyde.

### **Explosion Data**

**Sensitivity to mechanical impact**  
**Sensitivity to static discharge**

Not applicable.  
Not sensitive.

### 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.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Use personal protection equipment. Avoid contact with skin, eyes or clothing.
<b>Protective precautions</b>	Ensure adequate ventilation. Avoid exceeding of the given occupational exposure limits (see section 8).
<b>Emergency procedures</b>	Evacuate personnel to safe areas. Remove all sources of ignition. Keep people away from and upwind of spill/leak.

### 6.2. Environmental precautions

<b>Environmental Precautions</b>	Avoid release to the environment.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for Containment</b>	Local authorities should be advised if significant spillages cannot be contained. 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).
<b>Methods for Clean-Up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.

### 6.4. Reference to other sections

<b>Reference to other sections</b>	See Sections 5 & 7 for additional information.
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## 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.
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### 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 in properly labeled containers.
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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

<b>Exposure Guidelines</b>	Does not contain substances above concentration limits fixing an occupational exposure limit.
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### 8.2. Exposure controls

<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
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#### **Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Tight sealing safety goggles.
<b>Skin protection</b>	Wear suitable protective clothing and gloves.

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

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 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>	Mild
<b>Odor threshold</b>	No information available

Property	Values	Remarks/ Method
<b>pH</b>	No information available	No information available
<b>Melting point</b>	No information available	No information available
<b>Boiling point</b>	No information available	No information available
<b>Flash Point</b>	No information available	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>	Dispersible	No information available
<b>Solubility in other solvents</b>	No information available	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>	320 cP	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

## 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** Avoid moisture.

### 10.5. Incompatible materials

**Incompatible Materials** Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Silica oxides. Formaldehyde.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

##### Information on likely routes of exposure

**Product Information** Information given is based on data on the components and the toxicology of similar products.

**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.

##### Numerical measures of toxicity - Product Information

**ATEmix (oral)** 2,020.00 mg/kg  
**ATEmix (dermal)** No data available  
**ATEmix (inhalation-dust/mist)** No data available

Component	Oral LD50	Dermal LD50	Inhalation LC50
Polyalkylene glycol	> 2 g/kg ( Rat )	-	-

##### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information 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.

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### 12. ECOLOGICAL INFORMATION

#### 12.1. Toxicity

##### Ecotoxicity

Component	Algae	Fish	Daphnia magna

Polyalkylene glycol	-	LC50 (96h): >100 mg/L (Rainbow trout)	EC50 (48 h): > 100 mg/l
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**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.

## 13. DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**

**Disposal Methods** Contain and dispose of waste according to local regulations.

**Contaminated packaging** Empty containers should be taken for local recycling, recovery or waste disposal. Dispose of contents/containers in accordance with local regulations.

**US EPA Waste Number** Product, as sold, is not a US EPA RCRA Waste.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**ICAO/IATA** Not regulated

**IMDG/IMO** Not regulated

## 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/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

**Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous Categorization**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (40 CFR 61)**

This product does not contain any HAPs.

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

WARNING! This product contains a chemical known in the State of California to cause cancer. Impurities (<0.1%).

Component	California Proposition 65
Propylene oxide	Carcinogen

**U.S. State Right-to-Know**

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Propylene oxide	X	X	X	X	X

**International Regulations**

**Mexico**

Mexico - Grade

Slight risk, Grade 1

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

Non-controlled

**Canada Disclosure Lists**

Components not listed are non-hazardous.

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

	<b>NFPA</b>			<b>HMIS III</b>	
Health		1	Health		1
Flammability		1	Flammability		1
Instability		0	Physical Hazard		0

**Issue Date:** 2017-10-25  
**Revision Date:** 2017-10-25  
**Reason for revision** Not applicable.

**For industrial use only.**

**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**