

Issue Date: 2017-10-25

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Revision Number: 1

1. IDENTIFICATION

1.1. Product identifier

Product name FOAM BAN® TK-320

Other means of identification

Material No. U2TK320

Historic Material No. U2TK320

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

Unknown acute toxicity 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 (CO₂). Dry chemical. Alcohol resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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 gases and vapors. Carbon monoxide. Carbon dioxide (CO₂). 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

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

6.2. Environmental precautions

Environmental Precautions	Avoid release to the environment.
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6.3. Methods and material for containment and cleaning up

Methods for Containment	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).
Methods for Clean-Up	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

Reference to other sections	See Sections 5 & 7 for additional information.
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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.
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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.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Guidelines	Does not contain substances above concentration limits fixing an occupational exposure limit.
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8.2. Exposure controls

Engineering Controls	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

Eye/Face Protection	Tight sealing safety goggles.
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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.
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

Physical State	Liquid
Appearance	Opaque White
Odor	Mild
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	No information available	No information available
Melting point	No information available	No information available
Boiling point	No information available	No information available
Flash Point	No information available	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	1.01	No information available
Water Solubility	No information available	No information available
Solubility in other solvents	No information available	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	640 cP	Dynamic viscosity
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information

VOC content (%)	No information available
Density	8.42 lbs/gal

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity	Stable under normal conditions.
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10.2. Chemical stability

Chemical Stability	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions	None under normal processing.
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Hazardous Polymerization	Hazardous polymerization does not occur.
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10.4. Conditions to avoid

Conditions to Avoid	Heat, flames and sparks.
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10.5. Incompatible materials

Incompatible Materials Strong bases. Strong acids. Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition can lead to release of irritating and toxic gases and vapors. Aldehydes. Alcohols. Ether. Hydrocarbons. Ketone. Organic acid. Silicon dioxide. Formaldehyde. Carbon monoxide. Carbon dioxide (CO₂).

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)	5,736.00 mg/kg
ATEmix (dermal)	No data available
ATEmix (inhalation-dust/mist)	No data available

Component	Oral LD50	Dermal LD50	Inhalation LC50
Polyglycol	= 5700 mg/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
Polyglycol	EC50, 48 hr: >100 mg/L	LC50: >100 mg/l (Golden orfe), 96 hr	EC50 (48 h): > 100 mg/l

Unknown Aquatic Toxicity . Not applicable.

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

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	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. WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm. Impurities (<0.1%).

Component	California Proposition 65
1,4-Dioxane	Carcinogen
Ethylene oxide	Carcinogen Developmental Female Reproductive Male Reproductive
Propylene oxide	Carcinogen

U.S. State Right-to-Know

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
1,4-Dioxane	X	X	X	X	X
Propylene Glycol		X	X		X
Ethylene oxide	X	X	X	X	X
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

	NFPA			HMIS III	
Health		1	Health		1
Flammability		1	Flammability		1
Instability		0	Physical Hazard		0

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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