

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

Issue Date: 2011-06-09

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Revision Number: 5

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

1.1. Product identifier

Product name FOAM BAN® TK-201
Material No. 5342
Historic Material No. U2TK201

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]
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]

EUH208 - Contains (2-Methyl-3-isothiazolone). May produce an allergic reaction
EUH210 - Safety data sheet available on request

2.3. Other hazards

No information available.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures****Chemical nature of the product** Aqueous 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	<=0.05	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 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 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 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**

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

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 Safety glasses with side-shields. If splashes are likely to occur, wear: Tight sealing safety goggles.

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.

Environmental exposure controls No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical State Liquid
Appearance White
Odor mild
Odor threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	8	No information available
Melting point	No information available	No information available
Boiling point	100 °C	No information available
Flash Point	> 100 °C	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	Dispersible	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	~2772 cP@25C	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 Keep at temperatures above 0°C.

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	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)	229,818.00 mg/kg
ATEmix (dermal)	47,888.00 mg/kg
ATEmix (inhalation-dust/mist)	No data available

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Organosiloxane polymer	> 24 g/kg (Rat) > 17 g/kg (Rat)	> 2 g/kg (Rabbit)	

Skin Corrosion/Irritation No information available.

Eye damage/irritation No information available.

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.
Carcinogenic effects	No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Unknown Aquatic Toxicity	Not applicable.

Persistence and degradability

Persistence and degradability	. No information available.
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12.3. Bioaccumulative potential

Bioaccumulation/Accumulation	. No information available.
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12.4. Mobility in soil

Mobility in Environmental Media	. No information available.
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12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment	. Not applicable.
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12.6. Other adverse effects

Other adverse effects	. No information available.
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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

<u>ADR/RID</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>IATA</u>	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 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 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

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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