

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

Issue Date: 2009-01-19

Revision Date: 2018-12-17

Revision Number: 7

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

1.1. Product identifier

Product name FOAM BAN® HP732
Material No. 5385
Historic Material No. U2HP732

Contains Propylene oxide ethylene oxide polymer monobutyl ether

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]

Acute toxicity - Inhalation (Dusts/Mists)	Category 2 - (H330)
Specific target organ toxicity (single exposure)	Category 3 - (H335)

2.2. Label Elements

**Signal Word**

Danger

Hazard Statements

H330 - Fatal if inhaled

H335 - May cause respiratory irritation

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

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P310 - Immediately call a POISON CENTER or doctor

P320 - Specific treatment is urgent (see supplemental first aid instructions on this label)

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

2.3. Other hazards

No information available.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH No.
Dodecamethylcyclohexasiloxane	208-762-8	540-97-6	<0.30	-	-
Decamethylcyclopentasiloxane	208-764-9	541-02-6	<0.5	-	-
Octamethylcyclotetrasiloxane	209-136-7	556-67-2	<0.5	Repr. 2 (H361f) Aquatic Chronic 4 (H413) Flamm. Liq. 3 (H226)	-
Propylene Glycol	200-338-0	57-55-6	3 - <5	-	-
Propylene oxide ethylene oxide polymer monobutyl ether	618-542-7	9038-95-3	20 - 50	Acute Tox. 2 (H330) STOT SE 3 (H335)	-

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

Substance with a Community workplace exposure limit. Polymer, starting materials listed in EINECS.

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**General Advice**

Take off immediately all contaminated clothing.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Skin Contact	Wash with soap and water.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice.
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. Water spray. Carbon dioxide (CO ₂). Dry chemical. Alcohol resistant foam. Water mist may be used to cool closed containers.
-------------------------------------	---

Unsuitable Extinguishing Media	No information available.
---------------------------------------	---------------------------

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Carbon oxides. Vapors may form explosive mixtures with air. Phosgene.
--------------------------------------	---

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. Ensure adequate ventilation.

General Hygiene Considerations Take off contaminated clothing and wash before reuse. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

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	EU	United Kingdom	France	Spain	Germany
Propylene Glycol	-	TWA: 10 mg/m ³ TWA: 150 ppm TWA: 474 mg/m ³	-	-	-
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Propylene Glycol	-	-	-	TWA: 25 ppm TWA: 79 mg/m ³	TWA: 150 ppm TWA: 470 mg/m ³ TWA: 10 mg/m ³ STEL: 450 ppm STEL: 1410 mg/m ³ STEL: 30 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 Tight sealing safety goggles. Safety glasses with side-shields.

Skin protection Wear suitable protective clothing and gloves.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

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	Viscous, 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	> 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	<3500 cps@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	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	Substance may cause slight skin irritation. Avoid contact with skin.
Inhalation	Fatal if inhaled. May cause irritation of respiratory tract. Avoid breathing vapors or mists.
Ingestion	Health injuries are not known or expected under normal use.
Unknown acute toxicity	75% of the mixture consists of ingredient(s) of unknown toxicity.
Acute inhalation toxicity - dust/mist	75 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)
ATEmix (oral)	79,059.00 mg/kg
ATEmix (dermal)	22,951.00 mg/kg
ATEmix (inhalation-dust/mist)	0.33 mg/L

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Octamethylcyclotetrasiloxane	> 4800 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 36 mg/l (Rat) 4 h
Propylene Glycol	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	
Organosiloxane polymer	> 24 g/kg (Rat) > 17 g/kg (Rat)	> 2 g/kg (Rabbit)	
Propylene oxide ethylene oxide polymer monobutyl ether	> 21,753 mg/kg (Rat)	> 21,120 mg/kg (Rabbit)	0.33 mg/l Aerosol (Rat, 4H)

Skin Corrosion/Irritation	No information available.
Eye damage/irritation	No information available.
Sensitization	No information available.
Mutagenic effects	No information available.
Reproductive Effects	Possible risk of impaired fertility. Possible risk of harm to the unborn child.
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 toxicology of similar products.

Chemical name	Algae	Fish	Daphnia magna
Octamethylcyclotetrasiloxane	-	1000: 96 h Lepomis macrochirus mg/L LC50 500: 96	25.2: 24 h Daphnia magna mg/L EC50

		h Brachydanio rerio mg/L LC50	
Propylene Glycol	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	LC50: 710-55770 mg/L, 96h (Fathead minnow)	EC50: > 10000 mg/L 48 h

Unknown Aquatic Toxicity Not applicable.

Persistence and degradability

Persistence and degradability . No information available.

12.3. Bioaccumulative potential

Bioaccumulation/Accumulation

Chemical name	Partition coefficient
Octamethylcyclotetrasiloxane	5.1

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 07 02 99 - wastes not otherwise specified.

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 = 1 (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**

H226 - Flammable liquid and vapor
H330 - Fatal if inhaled
H335 - May cause respiratory irritation
H361f - Suspected of damaging fertility
H413 - May cause long lasting harmful effects to aquatic life

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

Prepared By Munzing - Regulatory and Product Safety Group
email: info@munzing.us

Issue Date: 2009-01-19
Revision Date: 2018-12-17
Reason for revision SDS sections updated, 3, 11.

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

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