MUNZING
CREATING ADDITIVE VALUE

Safety Data Sheet

Issue Date: 2018-04-13 **Revision Date:** 2019-01-20 **Revision Number:** 2

1. IDENTIFICATION

1.1. Product identifier

Product name FOAM BAN® HP939

Other means of identification

Material No. 8179
Historic Material No. U2HP939

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

Emergency Telephone

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 considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Reproductive toxicity	Category 2

2.2. Label Elements

Signal Word
Warning

Hazard Statements
Suspected of damaging fertility or the unborn child

Precautionary Statements - IF exposed or concerned: Get medical advice/attention

Response

Precautionary Statements - Storage Store locked up

Precautionary Statements - Disposal Dispose of contents/container to an approved waste disposal plant

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

Chemical name	CAS No.	Weight-%
Octamethylcyclotetrasiloxane	556-67-2	0.1 - 1

*The exact percentage (concentration) of composition has been withheld as a trade secret.

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 Oxides of sulfur. Carbon monoxide. Carbon dioxide (CO2). Phosgene. Vapors may form explosive mixtures with air.

Explosion Data

Sensitivity to mechanical impact	Not applicable.
Sensitivity to static discharge	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.

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.

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.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

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

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.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tight sealing safety goggles.

Skin protection Wear suitable protective clothing and gloves. Wear protective nitrile rubber 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.

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	White Opaque
Odor	Mild
Odor threshold	No information available

Property	Values	Remarks/ Method
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	1.02	No information available
Water Solubility	Dispersible	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	1640 cP	@ 25 °C
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information

VOC content (%) 3.64

Density 8.48 lbs/gal

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. Strong acids. Strong bases.

Hazardous decomposition products

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

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) 5,098.00 mg/kg
ATEmix (dermal) 20,038.00 mg/kg
ATEmix (inhalation-dust/mist) 100.00 mg/L

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	> 24 g/kg (Rat) > 17 g/kg (Rat)	> 2 g/kg (Rabbit)	-

Modified Silica	= 7900 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 2.2 mg/L (Rat) 1 h
Butoxypolyalkyleneglycol	= 5 g/kg (Rat) = 12300 µL/kg (Rat)	> 20 mL/kg (Rabbit) = 14100 µL/kg (Rabbit)	> 5.01 mg/l (Rat) 4h No deaths at this concentration

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 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.

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 .

Chemical name	Algae	Fish	Daphnia magna
Octamethylcyclotetrasiloxane	-	1000: 96 h Lepomis macrochirus mg/L LC50 500: 96 h Brachydanio rerio mg/L LC50	25.2: 24 h Daphnia magna mg/L EC50
Propylene Glycol	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	LC50: 710-55770 mg/L, 96h (Fathead minnow)	EC50: > 10000 mg/L 48 h
Modified Silica	440: 72 h Pseudokirchneriella subcapitata mg/L EC50	5000: 96 h Brachydanio rerio mg/L LC50 static	7600: 48 h Ceriodaphnia dubia mg/L EC50
Butoxypolyalkyleneglycol	-	LC50(96h): > 100 mg/lL (Golden orfe)	-

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.

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)	This product contains components listed on the Canadian NDSL list. All other components are on the Canandian DSL list
China (IECSC)	Complies
Europe (EINECS/ELINCS/NLP)	Complies
Japan (ENCS)	Complies
South Korea (KECL)	Contact manufacturer
Philippines (PICCS)	Complies
New Zealand	Contact manufacturer
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

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 Hazard Categories
Should this product meet EPCRA 311/312 Tier II reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications

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

Chemical name	Weight-%	HAPs	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Propylene Glycol	1 - 5		X		

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
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know
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Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Propylene Glycol 1 - 5		X	X		X
Modified Silica 1 - 5	X		X		

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

NFPA		HMIS III	
Health	2	**Health**	2
Flammability	1	**Flammability**	1
Instability	0	**Physical Hazard**	0

Issue Date: 2018-04-13
Revision Date: 2019-01-20
Reason for revision SDS sections updated, 15.

For industrial use only. Refer to the safety data sheet and/or instructions for use.

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