

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

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Revision Number: 10

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

1.1. Product identifier

Product name FOAM BAN® MS-5A
Material No. 5405
Historic Material No. U25A

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

1.4. Emergency telephone number

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

EU: +49 761 19240 (VIZ Freiburg)

Europe 112

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]

2.3. Other hazards

No information available.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature of the product Petroleum oil-based mixture

| Component | EC No. | CAS No | % [weight] | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH No. |
|---|-----------|------------|------------|---|-------------------|
| Petroleum distillates, solvent dewaxed light paraffinic | 265-159-2 | 64742-56-9 | 20 - 50 | Asp. Tox. 1 (H304) Note L applies | No data available |
| Petroleum distillates, solvent dewaxed heavy paraffinic | 265-169-7 | 64742-65-0 | 50 - 75 | Note L applies | No data available |

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

Note L:

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346. This note applies only to certain complex oil derived substances in Annex I.

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

| | |
|---|---|
| Eye Contact | Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call 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. If swallowed, DO NOT induce vomiting. |
| 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 (CO₂). Dry chemical. Alcohol resistant foam.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Hazardous Combustion Products Burning produces irritant fumes. Carbon oxides.

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

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Do not get in eyes, on skin, or on clothing. Slippery, can cause falls if walked on.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

Specific Uses No information available.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

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

Personal protective equipment

Eye/Face Protection Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles.

Skin protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn. PVC. Neoprene. PVA.

Respiratory protection If exposure limits are likely to be exceeded or if irritation or other symptoms are experienced, NIOSH/MSHA or EN 136 approved respiratory protection should be worn.

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 Opaque, White
Odor Slight
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 | 196 °C / 385 °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 | < 0.01 | No information available |
| Vapor density | No information available | No information available |
| Specific Gravity | 0.86 | No information available |
| Water Solubility | No information available | No information available |
| Solubility in other solvents | insoluble | 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 | < 2500 cps @25C | No information available |
| Explosive properties | No information available | |
| Oxidizing properties | No information available | |

9.2. Other information

VOC content (%) 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.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon oxides.

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 May cause skin irritation and/or dermatitis. Avoid contact with skin.

Inhalation Inhalation of vapors in high concentration may cause irritation of respiratory system.

Ingestion Health injuries are not known or expected under normal use.

Unknown acute toxicity 25.64% of the mixture consists of ingredient(s) of unknown toxicity.

ATEmix (oral) 123,847.00 mg/kg
ATEmix (dermal) 4,717.00 mg/kg
ATEmix (inhalation-dust/mist) 161.00 mg/L

Component Information

| Component | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|----------------------|-------------------------|------------------|
| Synthetic wax | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | >6.3 mg/L (Rat) |
| Petroleum distillates, solvent dewaxed heavy paraffinic | 5000 mg/kg (Rat) | 2000 mg/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 Discharge into the environment must be avoided. Aquatic toxicity is unlikely due to low solubility.

| Component | Algae | Fish | Daphnia magna |
|--|-------|---|---------------------------------------|
| Synthetic wax | - | LC50 (96 h): >1000 mg/l (Rainbow trout) | EC50 (48 h): 140 mg/l (Daphnia) |
| Synthetic wax | - | - | EC50 (48 h): 140 mg/l (Daphnia) |
| Petroleum distillates, solvent dewaxed light paraffinic 64742-56-9 | - | 5000: 96 h Oncorhynchus mykiss mg/L LC50 | 1000: 48 h Daphnia magna mg/L EC50 |
| Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0 | - | 5000: 96 h Oncorhynchus mykiss mg/L LC50 | 1000: 48 h Daphnia magna mg/L EC50 |

Unknown Aquatic Toxicity 4.8603% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

12.2. Persistence and degradability

Persistence and degradability . Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation/Accumulation . Not likely to bioaccumulate.

12.4. Mobility in soil

Mobility in Environmental Media The product is insoluble and floats on water. 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 containers should be taken for local recycling, recovery or waste disposal. Do not burn, or use a cutting torch on, the empty drum. |
| Waste codes / waste designations according to EWC / AVV | Not applicable. |

| |
|--|
| 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 (METI) | 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

WGK Classification (VwVWS) 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

H350 - May cause cancer if swallowed

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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Reason for revision Update to Format, SDS sections updated, 15.

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

Disclaimer

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End of Safety Data Sheet