

According to EC Directive 1907/2006/EC

Preparation Date 25-Sep-2009

Revision Date 30-Jan-2013

Revision Number: 5

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

1.1 Product Identifier

Product code U2152
Product name / trade name FOAM BAN® 152

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Antifoam agent / Defoamer

1.3. Details of the supplier of the safety data sheet

Contact 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

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)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The product is classified and labelled in accordance with Directive 67/548/EEC or 1999/45/EC

Xn;R65 - R66

Harmful: may cause lung damage if swallowed

Repeated exposure may cause skin dryness or cracking

2.2. Label Elements

Contains

Petroleum distillates, hydrotreated light

EU Symbol(s)

Xn - Harmful

Xn

**R -phrase(s)**

R65 - Harmful: may cause lung damage if swallowed
 R66 - Repeated exposure may cause skin dryness or cracking

S -phrase(s)

S21 - When using do not smoke
 S23 - Do not breathe vapour
 S24 - Avoid contact with skin
 S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

2.3. Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Chemical nature of the product

Petroleum distillates mixture

Hazardous components

Component	CAS-No.	EC No.	REACH Reg-No.	GHS(*)	Classification	Weight %
Petroleum distillates, hydrotreated middle	64742-46-7	265-148-2	--	Asp. Tox. 1 (H304)	Xn; R65	>50
Petroleum distillates, hydrotreated light	64742-47-8	265-149-8	--	Asp. Tox. 1 (H304)	Xn;R65-66	20 - 50

(*)GHS Reference

CLP (1272/2008)

Component	Notes
Petroleum distillates, hydrotreated middle	N
Petroleum distillates, hydrotreated light	H; L

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

For the full text of the R phrases mentioned in this Section, see Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

SECTION 4: 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 removing all contaminated clothes and shoes
Ingestion	Gently wipe or rinse the inside of the mouth with water. If swallowed, DO NOT induce vomiting. Risk of product entering the lungs on vomiting after ingestion. Consult a physician.
Inhalation	Move to fresh air

4.2. Most important symptoms and effects, both acute and delayed

Irritation. Cough. Aspiration hazard if swallowed - can enter lungs and cause damage. Risk of serious damage to the lungs (by aspiration). Aspiration may cause pulmonary oedema and pneumonitis.

4.3. Indication of any immediate medical attention and special treatment needed

Show this safety data sheet to the doctor in attendance. If swallowed, get medical help or contact a Poison Control Center right away.

Notes to Physician Treat symptomatically

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Specific hazards arising from the substance or mixture

Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

5.3. Advice for Firefighters

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

Remove all sources of ignition. Avoid exceeding of the given occupational exposure limits (see section 8).

6.2. Environmental precautions

Avoid release to the environment. Try to prevent the material from entering drains or water courses. Do not flush into surface water or sanitary sewer system. Forms slippery/greasy layers with water. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up

Prevent spreading over a wide area (e.g. by containment or oil barriers). 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).

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place. Avoid temperatures above 60°C, direct sunlight and contact with sources of heat.

7.3. Specific end use(s)

See 1.2 Relevant identified uses of the substance or mixture and uses advised against

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1. Control parameters****Engineering Controls**

Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment.

Component	EU	United Kingdom	France	Spain	Germany
Petroleum distillates, hydrotreated light	1,200 mg/m ³ (EU HSPA)				

8.2. Exposure controls**Personal Protective Equipment:****Respiratory Protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye Protection

Tightly fitting safety goggles

Skin Protection

Impervious clothing. For prolonged or repeated contact use protective gloves. As the product is a preparation of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The break through time depends amongst other things from the material, the thickness and the type of glove and therefore has to be measured for each case. PVC. Neoprene. PVA.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing.

Environmental exposure controls

No information available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Typical properties provided; These values do not represent product specifications.

Appearance	Clear, Translucent	Physical State	Liquid
Odor	Slight, Petroleum distillates	Odor Threshold	No information available
pH	No information available		
Flash Point	> 100°C	Closed cup (CC)	
Autoignition Temperature	>300°C	Decomposition temperature	No information available.
Boiling Point/Range	>200°C	Melting Point/Range	No information available
Flammable Limits in Air		Upper (%)	4.4
Lower (%)	0.5		
Explosive Properties	Vapours may form explosive mixture with air	Specific Gravity (g/cm3)	0.83
Solubility (in H2O)	Insoluble	Solubility in other solvents	No information available
Evaporation Rate	No information available	Vapor Pressure, 20C/68F	<0.01
Vapor Density	Heavier than air	Density	0.83 kg/L; 6.9 #/gal
Oxidizing Properties	not an oxidizer	VOC Content	above 70%
Solid content (%)	<12	Viscosity	~173 mm2/s @40C ~200 cP @25C
Partition Coefficient (n-octanol/water)	No information available		

9.2. Other information None

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of Hazardous Reactions

Hazardous polymerisation does not occur. Stable under normal conditions.

10.4. Conditions to Avoid

Heat, flames and sparks. Take measures to prevent the build up of electrostatic charge.

10.5. Incompatible Materials

Strong oxidizing agents.

10.6. Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapours. Carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

Product Information

Information given is based on data on the components and the toxicology of similar products.

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, hydrotreated middle	7400 mg/kg (Rat)	2000 mg/kg (Rabbit)	4.6 mg/L (Rat) 4 h
Petroleum distillates, hydrotreated light	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	5.2 mg/L (Rat) 4 h

Chronic Toxicity**Carcinogenicity**

There are no known carcinogenic chemicals in this product (IARC, ACGIH, US OSHA, US NTP).

Irritation

Non persistent irritation. Skin,rabbit:. Eye,rabbit:.

Sensitization

No known effect.

Neurological Effects

No information available

Mutagenic Effects

No information available

Reproductive Effects

No information available

Developmental Effects

No information available

Target Organ Effects

Respiratory system, Skin.

Other Adverse Effects

None known

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity**Ecotoxicity effects:**

Discharge into the environment must be avoided

When spilled, this product may act as an oil, causing a film, sheen, emulsion, or sludge at or beneath the surface of a body of water.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Petroleum distillates, hydrotreated middle	-	LL50 (96hr): >10000 mg/L (Fathead minnow)	-	EL0 (21 day): 5mg//L (Daphnia magna)
Petroleum distillates, hydrotreated light	-	-	-	-

12.2. Persistence and Degradability

Not readily biodegradable..

12.3. Bioaccumulative Potential

No information available

12.4. Mobility in soil

Avoid subsoil penetration

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

The product is insoluble and floats on water. Is not likely mobile in the environment due its low water solubility

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods**Waste from Residues / Unused Products**

Can be incinerated, when in compliance with 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.

EWC waste disposal No

160305 - organic wastes containing dangerous substances.

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

14.1. UN-Number Not applicable

14.2. UN Proper Shipping Name Not applicable

14.3. Transport hazard class Not applicable

14.4. Packing Group Not applicable

14.5. Environmental hazards Not applicable

14.6. Special precautions for user Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

ICAO/IATA

Not regulated

IMDG/IMO

Not regulated

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**WGK Classification**

Water endangering class = 1 (self estimation)

Restriction on Use

Take note of Dir 94/33/EC on the protection of young people at work. Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed..

International Inventories

All of the components in the product are on or exempt from the following Inventory lists

Canada DSL Complies

China IECSC Complies

EU EINECS/ELINCS Complies

Japan ENCS Complies

Korea KECL Complies

New Zealand NZIoCS	Complies
Philippines PICCS	Complies
Australia AICS	Complies
US TSCA	Complies

SECTION 16: OTHER INFORMATION

Text of R phrases mentioned in Section 3

R65 - Harmful: may cause lung damage if swallowed

R66 - Repeated exposure may cause skin dryness or cracking

Full text of H-Statements referred to under sections 2 and 3

H304 - May be fatal if swallowed and enters airways

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Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text

End of Safety Data Sheet