

# SAFETY DATA SHEET

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Issue Date 2009-08-18

Revision Number: 1

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

### 1.1. Product identifier

Product code U2157  
Product name FOAM BAN® 157

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

Recommended Use Anti-foaming agent (defoamer)

### 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

### 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

Classification according to Directive 67/548/EEC or 1999/45/EC.

N;R51/53 -C;R34  
Causes burns

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### 2.2. Label Elements

2-Pyrrolidinone, 1-octyl-

#### Symbol

C - Corrosive  
N - Dangerous for the environment



#### R-phrases

R34 - Causes burns

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**S-phrases**

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S45 - In case of accident or if you feel unwell, seek medical advice immediately

S60 - This material and its container must be disposed of as hazardous waste

S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

**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**

Dispersion

Component	CAS No	EC No.	REACH Reg. No	GHS(*)	Classification	% [weight]
2-Pyrrolidinone, 1-octyl-	2687-94-7	403-700-8	--	Skin Corr. 1B (H314) Aquatic Chronic 2 (H411)	C;R34 N;R51-53	20 - 50
Petroleum distillates, hydrotreated middle	64742-46-7	265-148-2	--	Acute Tox. 4 (H332)Tox. 1 (H304)	Xn; R20 - R65	>50

Component	Note
2-Pyrrolidinone, 1-octyl- 2687-94-7 ( 20 - 50 )	-
Petroleum distillates, hydrotreated middle 64742-46-7 ( >50 )	N

**EU Classification Note Text**

The classification corresponds to the current EU listing, but is enhanced by specialized literature data and the company's own information

The classification as a carcinogen need not apply if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen. This note applies only to certain complex oil derived substances in Annex I

**Full text of R-phrases: see section 16****Section 4: FIRST AID MEASURES****4.1. Description of first aid measures****Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

**Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Call a physician immediately.

**Ingestion**

Rinse mouth. Do not induce vomiting without medical advice. Call a physician immediately.

**Inhalation**

Move victim to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

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

None known.

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

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

**Notes to Physician**

Treat symptomatically.

## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Cool container with water spray.

#### Extinguishing media which must not be used for safety reasons

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

### 5.2. Special hazards arising from the substance or mixture

Keep product and empty container away from heat and sources of ignition. Combustible material.

### 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.

#### Further information

Burning produces heavy smoke. Do not allow run-off from fire fighting to enter drains or water courses.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Do not get in eyes, on skin, or on clothing. Ensure adequate ventilation. Remove all sources of ignition.

### 6.2. Environmental precautions

Avoid release to the environment. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Material becomes extremely slippery when wet.

### 6.3. Methods and material for containment and cleaning up

Clean contaminated surface thoroughly.

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

Slippery, can cause falls if walked on

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use personal protection equipment. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or mist. Wash thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at a temperature not exceeding 60 °C.

### 7.3. Specific end use(s)

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.

### 8.2. Exposure controls

#### Personal Protective Equipment:

##### Respiratory protection

Any powered air-purifying respirator with organic vapor cartridge(s).

##### Eye Protection

Wear chemical splash goggles and face shield (when eye and face contact is possible due to splashing or spraying of material).

##### Skin protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Do not get in eyes, on skin, or on clothing. Remove clothing and wash thoroughly with water.

**Environmental exposure controls** Prevent product from entering drains.

## 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.

<b>Appearance</b>	Clear, Colorless
<b>Physical State</b>	Liquid
<b>Odor</b>	with perceptible odour amine-like
<b>pH</b>	No information available
<b>Flash point</b>	> 100 °C
<b>Method</b>	CC (closed cup)
<b>Boiling point</b>	> 100 °C
<b>Melting point</b>	No information available
<b>Flammability</b>	No information available
<b>Explosive properties</b>	No information available
<b>Specific gravity</b>	0.83
<b>Solubility (water)</b>	Immiscible
<b>Vapor pressure</b>	No information available
<b>Density</b>	0.83 kg/L; 7.7 #/gal
<b>Oxidizing properties</b>	not an oxidizer
<b>VOC content (%)</b>	No information available
<b>Solid content (%)</b>	<26
<b>Viscosity</b>	~32 cps@25C Kinematic viscosity: 0.000013 m <sup>2</sup> /s @40°C

### 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

None under normal processing. Hazardous polymerization does not occur.

### 10.4. Conditions to avoid

Temperatures above 60 °C.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon oxides. Nitrogen oxides (NO<sub>x</sub>). Aldehydes. Trifluoropropionaldehyde.

## 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
2-Pyrrolidinone, 1-octyl-	2050 mg/kg ( Rat )	>2000 mg/kg ( Rabbit)	-

**Chronic Toxicity****Carcinogenicity**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

**Corrosivity**

Causes skin and eye burns. Causes digestive tract burns.

**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**

Eyes, Skin, Respiratory system, Gastrointestinal tract (GI).

**Other adverse effects**

None known.

## Section 12: ECOLOGICAL INFORMATION

**12.1. Toxicity****Ecotoxicity**

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

Component	Algae	Fish	Toxicity to Microorganisms	Daphnia magna
Petroleum distillates, hydrotreated middle	-	LL50 (96hr): >10000 mg/L (Fathead minnow)	-	EL0 (21 day): 5mg/L (Daphnia magna)
2-Pyrrolidinone, 1-octyl-	EC50: 6.20 mg/L ( Selenatrum Capricornutum)	LC50: 22.5 mg/L (Bluegill sunfish), 96 hr. LC50: 17.8 mg/L (Rainbow trout), 96 hr.	-	EC50: 19.1 mg/L (Daphnia Magna)

**12.2. Persistence and degradability**

Not readily biodegradable.

**12.3. Bioaccumulative potential**

No information available

**12.4. Mobility in soil**

The product is insoluble and floats on water

**12.5. Results of PBT and vPvB assessment**

No information available

**12.6. Other adverse effects**

No information available.

## 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.

**Waste codes / waste designations according to EWC / AVV** No information available.

**Other information** According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

## Section 14: TRANSPORT INFORMATION

### ADR/RID

<b>14.1. UN number</b>	1760
<b>14.2. UN proper shipping name</b>	1760 - Corrosive liquid, n.o.s
<b>Description</b>	2-Pyrrolidinone, 1-octyl-
<b>14.3. Transport hazard class(es)</b>	8
<b>14.4. Packing group</b>	III
<b>14.5. Environmental hazards</b>	
<b>Marine Pollutant:</b>	Y
<b>14.6. Special precautions for user</b>	Not applicable
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable

### ICAO/IATA

<b>UN-No</b>	1760
<b>Proper Shipping Name</b>	1760 - Corrosive liquid, n.o.s
<b>Description</b>	2-Pyrrolidinone, 1-octyl-
<b>Hazard Class</b>	8
<b>Packing Group</b>	III

### IMDG/IMO

<b>UN-No</b>	1760
<b>Proper Shipping Name</b>	1760 - Corrosive liquid, n.o.s
<b>Description</b>	2-Pyrrolidinone, 1-octyl-
<b>Hazard Class</b>	8
<b>Packing Group</b>	III

## Section 15: REGULATORY INFORMATION

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

**WGK Classification (VwVWS)** Water endangering class = 2 (self estimation)

**15.2. Chemical safety assessment** Chemical safety assessments for substances in this preparation were not carried out.

### International Inventories

**All of the components in the product are on the following Inventory lists**

<b>Canada (DSL)</b>	Complies
<b>China (IECSC)</b>	Complies
<b>Europe (EINECS/ELINCS/NLP)</b>	Complies
<b>Japan (METI)</b>	Complies
<b>South Korea (KECL)</b>	Complies
<b>Philippines (PICCS)</b>	Complies
<b>Australia (AICS)</b>	Complies
<b>US TSCA</b>	Complies

## Section 16: OTHER INFORMATION

### **Full text of R-phrases referred to under sections 2 and 3**

R34 - Causes burns

R53 - May cause long-term adverse effects in the aquatic environment

R51 - Toxic to aquatic organisms

R65 - Harmful: may cause lung damage if swallowed

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

H304 - May be fatal if swallowed and enters airways

H314 - Causes severe skin burns and eye damage

H411 - Toxic to aquatic life with long lasting effects

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## 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 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**