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
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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>EC No.</th>
<th>REACH Reg-No.</th>
<th>GHS(*) Classification</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated middle</td>
<td>64742-46-7</td>
<td>265-148-2</td>
<td>--</td>
<td>Asp. Tox. 1</td>
<td>Xn, R65</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light</td>
<td>64742-47-8</td>
<td>265-149-8</td>
<td>--</td>
<td>Asp. Tox. 1</td>
<td>Xn; R65-66</td>
</tr>
</tbody>
</table>

(*)GHS Reference
CLP (1272/2008)

<table>
<thead>
<tr>
<th>Component</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated middle</td>
<td>N</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light</td>
<td>H; L</td>
</tr>
</tbody>
</table>

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.

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.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, Translucent</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight, Petroleum distillates</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 100°C</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>&gt;300°C</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>&gt;200°C</td>
</tr>
<tr>
<td>Flammable Limits in Air Lower</td>
<td>0.5</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Vapours may form explosive mixture with air</td>
</tr>
<tr>
<td>Solubility (in H2O)</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Heavier than air</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>not an oxidizer</td>
</tr>
<tr>
<td>Solid content (%)</td>
<td>&lt;12</td>
</tr>
<tr>
<td>Partition Coefficient (n-octanol/water)</td>
<td>No information available</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No information available</td>
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<td>Autoignition Temperature</td>
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<td>Partition Coefficient (n-octanol/water)</td>
<td>No information available</td>
</tr>
</tbody>
</table>

#### 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
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.

<table>
<thead>
<tr>
<th>Component</th>
<th>Freshwater Algae</th>
<th>Freshwater Fish</th>
<th>Microtox</th>
<th>Water Flea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated middle</td>
<td>-</td>
<td>LL50 (96hr): &gt;10000 mg/L (Fathead minnow)</td>
<td>-</td>
<td>EL0 (21 day): 5mg/L (Daphnia magna)</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light</td>
<td>-</td>
<td></td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

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. It 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

<table>
<thead>
<tr>
<th>14.1. UN-Number</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2. UN Proper Shipping Name</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.3. Transport hazard class</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.4. Packing Group</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5. Environmental hazards</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.6. Special precautions for user</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**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

According to EC Directive 1907/2006/EC
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

Preparation Date 25-Sep-2009
Revision Date 30-Jan-2013
Revision Summary Update to Format

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