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

### 1.1. Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>MAGRABAR® PD-1414</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material No.</td>
<td>7748</td>
</tr>
<tr>
<td>Historic Material No.</td>
<td>F0905</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Relevant identified uses</th>
<th>Anti-foaming agent (defoamer)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uses advised against</td>
<td>Consumer use</td>
</tr>
</tbody>
</table>

### 1.3. Details of the supplier of the safety data sheet

**Manufacturer**

MUNZING NORTH AMERICA – MAGRABAR LLC  
6100 Madison Court  
Morton Grove, IL 60053-3216  
United States  

Email: info@magrabar.com  
Telephone: 1-847-965-7550

**Supplier**

Münzing Chemie GmbH  
Münzingstrasse 2  
74232 Abstatt  
Germany  

Email: info@munzing.com  
Phone: +49 (0) 7131/987-0

**Emergency Telephone**

**Emergency telephone**  
CHEMTREC: +1 703 741 5970

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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

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]
Full text of H- and EUH-phrases: see section 16

Section 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 while removing all contaminated clothes and shoes.

Inhalation  Move victim to fresh air.

Ingestion  Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

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  Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical. Water spray.

Unsuitable Extinguishing Media  No information available.

5.2. Special hazards arising from the substance or mixture

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

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
Use personal protection equipment. Avoid contact with skin, eyes or clothing. Handle in accordance with good industrial hygiene and safety practice.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Protect from moisture. Do not store above 120 F.

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
No information available.
8.2. Exposure controls

**Engineering Controls**
Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

- **Eye/Face Protection**
  Tight sealing safety goggles.

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

- **Respiratory protection**
  In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**Environmental exposure controls**
No information available.

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**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th><strong>Property</strong></th>
<th><strong>Values</strong></th>
<th><strong>Remarks/ Method</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>White, To, Grey</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>5 (in 50 g/L water)</td>
<td></td>
</tr>
<tr>
<td>Melting point</td>
<td>-35 ºC</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 100 ºC</td>
<td>Open cup</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt; 1</td>
<td>(Butyl acetate = 1)</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>&lt; 10 &amp; 25</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.0</td>
<td>No information available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Slightly soluble</td>
<td>No information available</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>&gt; 100 ºC</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

---

**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.

Hazardous decomposition products

Hazardous decomposition products Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon monoxide. Carbon dioxide (CO2). Formaldehyde.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

Product Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oleic acid</td>
<td>25 g/kg (Rat)</td>
<td>= 3750 mg/kg (Rat) &gt; 2 g/kg (Rat)</td>
<td></td>
</tr>
<tr>
<td>Polyalkylene glycol</td>
<td>&gt; 24 g/kg (Rat) &gt; 17 g/kg (Rat)</td>
<td>&gt; 2 g/kg (Rabbit)</td>
<td></td>
</tr>
</tbody>
</table>

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

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Algae</th>
<th>Fish</th>
<th>Daphnia magna</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oleic acid</td>
<td>-</td>
<td>LC50: &gt;100 mg/L (Pimephales promelas (Fathead minnow))</td>
<td>-</td>
</tr>
<tr>
<td>Polyalkylene glycol</td>
<td>-</td>
<td>LC50 (96h): &gt;100 mg/L (Rainbow trout)</td>
<td>EC50 (48 h): &gt; 100 mg/l</td>
</tr>
</tbody>
</table>

Unknown Aquatic Toxicity

Persistence and degradability

Persistence and degradability

Bioaccumulative potential

Bioaccumulation/Accumulation

Mobility in soil

Mobility in Environmental Media

Mobility in soil

Results of PBT and vPvB assessment

PBT and vPvB assessment

Other adverse effects

Other adverse effects

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 remaining contents.

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  
Australia (AICS)  
Canada (DSL)  
China (IECSC)  
Europe (EINECS/ELINCS/NLP)  
Japan (ENCS)  
South Korea (KECL)  
Philippines (PICCS)  
New Zealand  
Taiwan (TCSI)  

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

Germany

WGK Classification (AwSV)  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

No information available

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

Issue Date: 2015-07-21
Revision Date: 2019-07-09
Reason for revision Update to Format.

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

Disclaimer
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End of Safety Data Sheet