## 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® IP-661</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material No.</td>
<td>7736</td>
</tr>
<tr>
<td>Historic Material No.</td>
<td>7736</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

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>MUNZING NORTH AMERICA – MAGRABAR LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email</td>
<td><a href="mailto:info@magrabar.com">info@magrabar.com</a></td>
</tr>
<tr>
<td>Telephone</td>
<td>1-847-965-7550</td>
</tr>
<tr>
<td></td>
<td>Morton Grove, IL 60053-3216</td>
</tr>
<tr>
<td></td>
<td>United States</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplier</td>
<td>Münzing Chemie GmbH</td>
</tr>
<tr>
<td></td>
<td>Münzingstrasse 2</td>
</tr>
<tr>
<td></td>
<td>74232 Abstatt</td>
</tr>
<tr>
<td></td>
<td>Germany</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:info@munzing.com">info@munzing.com</a></td>
</tr>
<tr>
<td>Phone</td>
<td>+49 (0) 7131/987-0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emergency Telephone</th>
<th>CHEMTREC: +1 703 741 5970</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency telephone</td>
<td></td>
</tr>
</tbody>
</table>
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]
EUH210 - Safety data sheet available on request

2.3. Other hazards
No information available.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2  Mixtures
Chemical nature of the product  Emulsion

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  Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water.
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. Dry chemical. Carbon dioxide (CO2). Alcohol resistant foam.

Unsuitable Extinguishing Media  No information available.

5.2. Special hazards arising from the substance or mixture
**Hazardous combustion products**
Carbon monoxide. Carbon dioxide (CO2). Produce flammable and toxic gases on contact with water. Flammable/toxic gases may accumulate in tanks and hopper cars.

**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. Sweep up to prevent slipping hazard.

**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. Keep from freezing. Keep away from direct sunlight.

#### 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.

Personal protective equipment

Eye/Face Protection  Tight sealing safety goggles.

Skin protection  Wear protective nitrile rubber gloves. Chemical resistant apron.

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

Environmental exposure controls  No information available.

---

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/ Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Opaque, Amber</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Mild Organic</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>&gt; 200 °C</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>282 °C</td>
<td>Open cup (OC)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td>No information available</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>No information available</td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>&lt; 1.0 mmHg</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>0.9825</td>
<td>No information available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Emulsifiable</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>No information available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</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>Vapors may form explosive mixtures with air</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. Extremes of temperature and direct sunlight.

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.

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 | Substance may cause slight skin irritation. Avoid contact with skin. |
| Inhalation | Health injuries are not known or expected under normal use. |
| Ingestion | Health injuries are not known or expected under normal use. |

Unknown acute toxicity  Not applicable.

ATEmix (oral)  12,877.00 mg/kg
ATEmix (dermal)  12,877.00 mg/kg
ATEmix (inhalation-dust/mist)  No data available

Component 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>Synthetic Amorphous Silica</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 5000 mg/kg (Rabbit)</td>
<td>LC0: &gt;= 0.139 mg/l (4hr). Maximum attainable concentration. No deaths occurred.</td>
</tr>
<tr>
<td>Polyalkylene glycol ester</td>
<td>&gt; 20 g/kg (Rat) = 53 mL/kg (Rat)</td>
<td></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
No information available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Algae</th>
<th>Fish</th>
<th>Daphnia magna</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synthetic Amorphous Silica</td>
<td>EC50, 72h: Pseudokirchneriella subcapitata: 440 mg/L</td>
<td>LC50: &gt;10000 96h (Brachydanio rerio)</td>
<td>EC50: &gt;10000 24h</td>
</tr>
<tr>
<td>Hydrophobic silica</td>
<td>-</td>
<td>LC50: &gt;10000 mg/l, 96h</td>
<td>EC50: &gt;10000 mg/l, 24h</td>
</tr>
</tbody>
</table>

**Unknown Aquatic Toxicity**
Not applicable.

### 12.3. Bioaccumulative potential

**Bioaccumulation/Accumulation**
No information available.

### 12.4. Mobility in soil

**Mobility in Environmental Media**
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.

**Endocrine Disruptor Information**

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

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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet