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

1.1. Product identifier
Product name                     MAGRABAR® MD-3000
Material No.                    7729
Historic Material No.           F0609

1.2. Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses        Anti-foaming agent (defoamer)
Uses advised against            Consumer use

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
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

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: 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: Carbon dioxide (CO2). Dry chemical. Alcohol resistant foam.

Unsuitable Extinguishing Media: No information available.

5.2. Special hazards arising from the substance or mixture

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. Slippery, can cause falls if walked on.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep from freezing.

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 suitable protective clothing and gloves. Wear protective nitrile rubber gloves. Glove thickness > 0.4 mm. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific 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.

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>Powder</td>
<td>No information available</td>
</tr>
<tr>
<td>Appearance</td>
<td>Opaque, White</td>
<td>No information available</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild Organic</td>
<td>No information available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td>No information available</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>
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<td>No information available</td>
</tr>
<tr>
<td>Flash Point</td>
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<td>No information available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
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<td>No information available</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
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</tr>
<tr>
<td>Upper flammability limit</td>
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<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; 0.1 mmHg</td>
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</tr>
<tr>
<td>Vapor density</td>
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<td>No information available</td>
</tr>
<tr>
<td>Specific Gravity</td>
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</tr>
<tr>
<td>Water Solubility</td>
<td>Dispersible</td>
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<td>Solubility in other solvents</td>
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</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
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<td>No information available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
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</tr>
<tr>
<td>Decomposition temperature</td>
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<tr>
<td>Viscosity</td>
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</tr>
<tr>
<td>Explosive properties</td>
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<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
<td>No information available</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

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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).

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

Product Information

<table>
<thead>
<tr>
<th>Substance</th>
<th>Toxicity Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes</td>
<td>Contact with eyes may cause irritation. Avoid contact with eyes.</td>
</tr>
<tr>
<td>Skin</td>
<td>Substance may cause slight skin irritation. Avoid contact with skin.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
</tbody>
</table>

Unknown acute toxicity

Not applicable.

ATEmix (oral)

No data available

ATEmix (dermal)

No data available

ATEmix (inhalation-dust/mist)

No data available

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
None known.

Unknown Aquatic Toxicity
Not applicable.

Persistence and degradability

Persistence and degradability
No information available.

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.

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
Complies

Australia (AICS)
Complies

Canada (DSL)
Complies

China (IECSC)
Complies

Europe (EINECS/ELINCS/NLP)
Complies
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: 2015-12-01
Revision Date: 2019-07-11
Reason for revision Update to Format.

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

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Disclaimer
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End of Safety Data Sheet