1. IDENTIFICATION

1.1. Product identifier

Product name: MAGRABAR® SILICONE RELEASE SE-1435N FG

Other means of identification

Material No.: 7780
Historic Material No.: 7780

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

Recommended Use: Release agent
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

Emergency Telephone: CHEMTREC (24 hrs - for spill, leak or transportation incidents):
US: 1-800-424-9300
non-US: 1-703-527-3887

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

OSHA Regulatory Status
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

2.2. Label Elements

The product contains no substances which at their given concentration, are considered to be hazardous to health
2.3. Other hazards

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazards not otherwise classified (HNOC)</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Unknown acute toxicity</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Other Information</td>
<td>Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sorbitan ester</td>
<td>Proprietary</td>
<td>0 - 10%</td>
</tr>
</tbody>
</table>

The product contains no substances which at their given concentration, are considered to be hazardous to health.

### 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.
- **Inhalation**: Move victim to fresh air.
- **Ingestion**: Clean mouth with water and drink afterwards plenty of water.

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

No information available.

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

Notes to Physician: Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

- **Suitable extinguishing media**: Water. Carbon dioxide (CO2). Dry chemical. Alcohol resistant foam.
- **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).
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.

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 Ensure adequate ventilation. Avoid exceeding of the given occupational exposure limits (see section 8).

Emergency procedures Evacuate personnel to safe areas. Remove all sources of ignition. Keep people away from and upwind of spill/leak.

6.2. Environmental precautions

Environmental precautions Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for Containment Local authorities should be advised if significant spillages cannot be contained. 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 Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sorbitan ester</td>
<td>TWA: 10 mg/m³</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Engineering Controls

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Safety glasses with side-shields.

Skin protection
Long sleeved clothing. Wear protective nitrile rubber gloves.

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

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.

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 White</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Slight</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/ Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>3.5</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td>No information available</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>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.00</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></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>1100 cP</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>

9.2. Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC content (%)</td>
<td>No information available</td>
</tr>
<tr>
<td>Liquid Density</td>
<td>8.35 lbs/gal</td>
</tr>
</tbody>
</table>

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.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

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

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.

Numerical measures of toxicity - Product Information

<table>
<thead>
<tr>
<th></th>
<th>ATEmix (oral)</th>
<th>ATEmix (dermal)</th>
<th>ATEmix (inhalation-dust/mist)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>47,456.00 mg/kg</td>
<td>14,289.00 mg/kg</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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>Sorbitan ester</td>
<td>$= 31$ g/kg (Rat)</td>
<td>-</td>
<td>$= 31$ g/kg (Rat)</td>
</tr>
<tr>
<td>Organosiloxane</td>
<td>$&gt; 24$ g/kg (Rat) $&gt; 17$ g/kg (Rat)</td>
<td>$&gt; 2$ g/kg (Rabbit)</td>
<td>$&gt; 24$ g/kg (Rat) $&gt; 17$ g/kg (Rabbit)</td>
</tr>
</tbody>
</table>

Delayed and immediate effects as well as chronic effects from short and long-term exposure

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.
12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity  
No information available.

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 determined. Not applicable.

Other adverse effects

Other adverse effects  
No information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal Methods  
Contain and dispose of waste according to local regulations.

Contaminated packaging  
Empty containers should be taken for local recycling, recovery or waste disposal. Dispose of contents/containers in accordance with local regulations.

US EPA Waste Number  
Product, as sold, is not a US EPA RCRA Waste.

14. TRANSPORT INFORMATION

DOT  
Not regulated

ICAO/IATA

Not regulated

IMDG/IMO

Not regulated

15. REGULATORY INFORMATION

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

<table>
<thead>
<tr>
<th>Country/Region</th>
<th>Complies</th>
</tr>
</thead>
<tbody>
<tr>
<td>US TSCA</td>
<td></td>
</tr>
<tr>
<td>Australia (AICS)</td>
<td></td>
</tr>
<tr>
<td>Canada (DSL)</td>
<td></td>
</tr>
<tr>
<td>China (IECSC)</td>
<td></td>
</tr>
<tr>
<td>Europe (EINECS/ELINCS/NLP)</td>
<td></td>
</tr>
<tr>
<td>Japan (ENCS)</td>
<td></td>
</tr>
<tr>
<td>South Korea (KECL)</td>
<td></td>
</tr>
<tr>
<td>Philippines (PICCS)</td>
<td></td>
</tr>
<tr>
<td>New Zealand</td>
<td></td>
</tr>
<tr>
<td>Taiwan (TCSI)</td>
<td></td>
</tr>
</tbody>
</table>

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

Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier II reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (40 CFR 61)
This product does not contain any HAPs.

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects, at levels which would require a warning under the statute.

U.S. State Right-to-Know
This product does not contain any substances regulated by state right-to-know regulations.
16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HMIS III</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
</tr>
</tbody>
</table>

Issue Date: 2019-07-11  
Revision Date: 2019-11-11  
Reason for revision: SDS sections updated, 3.

For industrial use only. Refer to the safety data sheet and/or instructions for use.

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