Product Name: SILICONE RUBBER

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION
Product Type: Sealant
Emergency Contact: Chemtrec
Product Name: SILICONE RUBBER
Phone: (800) 424-9300
Part Number(s): 10-150

SECTION 2. HAZARDS IDENTIFICATION
GHS Classification
Not a hazardous substance or mixture.

GHS Label element
Not a hazardous substance or mixture.

Precautionary Statements:
Prevention:
P271 Use only outdoors or in a well-ventilated area.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS
Substance / Mixture: Mixture
Chemical nature: Silicone elastomer

Hazardous ingredients
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>7631-86-9</td>
<td>&gt;= 5 - &lt; 10</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated middle</td>
<td>64742-46-7</td>
<td>&gt;= 5 - &lt; 10</td>
</tr>
</tbody>
</table>
SECTION 4. FIRST AID MEASURES

If inhaled : If inhaled, remove to fresh air. Get medical attention if symptoms occur.

In case of skin contact : Wash with water and soap as a precaution. Get medical attention if symptoms occur.

In case of eye contact : Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

If swallowed : If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and delayed : None known.

Protection of first-aiders : No special precautions are necessary for first aid responders.

Notes to physician : Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

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

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : Exposure to combustion products may be a hazard to health.

Hazardous combustion products : Carbon oxides
Silicon oxides
Formaldehyde
SAFETY DATA SHEET

Product Name: SILICONE RUBBER

SECTION 5. FIRE-FIGHTING MEASURES (CONTINUED)

Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Use water spray to cool unopened containers.
- Remove undamaged containers from fire area if it is safe to do so.
- Evacuate area.

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.
- Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions: Discharge into the environment must be avoided.
- Prevent further leakage or spillage if safe to do so.
- Retain and dispose of contaminated wash water.
- Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material.
- For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.
- Clean up remaining materials from spill with suitable absorbent.

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.
SAFETY DATA SHEET

Product Name: SILICONE RUBBER

SECTION 7. HANDLING AND STORAGE

Technical measures: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation: Use only with adequate ventilation.

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage: Keep in properly labeled containers. Store in accordance with the particular national regulations.

Materials to avoid: Do not store with the following product types: Strong oxidizing agents.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>7631-86-9</td>
<td>TWA (Dust)</td>
<td>20 Million particles per cubic foot (Silica)</td>
<td>OSHA Z-3</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated middle</td>
<td>64742-46-7</td>
<td>TWA (Mist)</td>
<td>5 mg/m3</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Mist)</td>
<td>5 mg/m3</td>
<td>OSHA P0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Mist)</td>
<td>5 mg/m3</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ST (Mist)</td>
<td>10 mg/m3</td>
<td>NIOSH REL</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

Product Name: SILICONE RUBBER

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

Engineering measures
Processing may form hazardous compounds (see section 10).
Ensure adequate ventilation, especially in confined areas.
Minimize workplace exposure concentrations.

Personal protective equipment
Respiratory protection
General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Remarks
Wash hands before breaks and at the end of workday.

Eye protection
Wear the following personal protective equipment:
Safety glasses

Skin and body protection
Skin should be washed after contact.

Hygiene measures
Ensure that eye flushing systems and safety showers are located close to the working place.
When using do not eat, drink or smoke.
Wash contaminated clothing before re-use.
These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.
## SAFETY DATA SHEET

**Product Name:** SILICONE RUBBER

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>paste</td>
</tr>
<tr>
<td>Color</td>
<td>colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Acetic acid</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 100 °C</td>
</tr>
<tr>
<td>Method: closed cup</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>The substance or mixture is not classified as oxidizing.</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Part Number(s): 10-150
SAFETY DATA SHEET

Product Name: SILICONE RUBBER

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : Use at elevated temperatures may form highly hazardous compounds.
Can react with strong oxidizing agents.
Acetic acid is formed upon contact with water or humid air.
When heated to temperatures above 150 °C (300 °F) in the presence of air, trace quantities of formaldehyde may be released.
Adequate ventilation is required.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure
Skin contact
Ingestion
Eye contact

Acute toxicity
Not classified based on available information.

Product:
Acute inhalation toxicity : Acute toxicity estimate: > 10 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method
SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

**Ingredients:**

**Silicon dioxide:**
- **Acute oral toxicity:**
  - LD50 (Rat): > 3,300 mg/kg
  - Assessment: The substance or mixture has no acute oral toxicity
  - Remarks: Information taken from reference works and the literature.

**Acute inhalation toxicity:**
- LC50 (Rat): > 2.08 mg/l
  - Exposure time: 4 h
  - Test atmosphere: dust/mist
  - Assessment: The substance or mixture has no acute inhalation toxicity
  - Remarks: Information taken from reference works and the literature.

**Acute dermal toxicity:**
- LD50 (Rabbit): > 5,000 mg/kg
  - Assessment: The substance or mixture has no acute dermal toxicity
  - Remarks: Information taken from reference works and the literature.

**Distillates (petroleum), hydrotreated middle:**
- **Acute oral toxicity:**
  - LD50 (Rat): > 5,000 mg/kg

**Acute inhalation toxicity:**
- LC50 (Rat): 1.78 mg/l
  - Exposure time: 4 h
  - Test atmosphere: dust/mist

**Acute dermal toxicity:**
- LD50 (Rat): > 2,000 mg/kg

**Skin corrosion/irritation**
- Not classified based on available information.

**Ingredients:**

**Silicon dioxide:**
- Result: No skin irritation
  - Remarks: Information taken from reference works and the literature.
SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

Serious eye damage/eye irritation
Not classified based on available information.

**Ingredients:**
- **Silicon dioxide:**
  - Result: No eye irritation
  - Remarks: Information taken from reference works and the literature.

Respiratory or skin sensitization
Skin sensitization: Not classified based on available information.
Respiratory sensitization: Not classified based on available information.

**Ingredients:**
- **Silicon dioxide:**
  - Assessment: Does not cause skin sensitization.

  Test Type: Skin: test type not specified
  Species: Guinea pig
  Remarks: No known sensitising effect.
  Information taken from reference works and the literature.

Germ cell mutagenicity
Not classified based on available information.

**Ingredients:**
- **Silicon dioxide:**
  - Genotoxicity in vitro: Result: negative
    - Remarks: Information taken from reference works and the literature.
  - Genotoxicity in vivo: Application Route: Ingestion
    - Result: negative
    - Remarks: Information taken from reference works and the literature.
  - Germ cell mutagenicity - Assessment: Animal testing did not show any mutagenic effects.
SAFETY DATA SHEET

Product Name: SILICONE RUBBER

SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

Carcinogenicity
Not classified based on available information.
IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity
Not classified based on available information.

STOT-single exposure
Not classified based on available information.

STOT-repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

Ingredients:
Distillates (petroleum), hydrotreated middle:
The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity Bioaccumulative potential
No data available No data available

Persistence and degradability Mobility in soil
No data available No data available
Other adverse effects
No data available

Remarks: Information taken from reference works and the literature.
Result: negative

Part Number(s): 10-150

Waste from residues: Dispose of in accordance with local regulations.
Not regulated as a dangerous good

Other adverse effects
Not classified based on available information.

Resource Conservation and International Regulation
SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Resource Conservation and Recovery Act (RCRA): This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.

Waste from residues: Dispose of in accordance with local regulations.

Contaminated packaging: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG
Not regulated as a dangerous good

IATA-DGR
Not regulated as a dangerous good

IMDG-Code
Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic regulation

49 CFR
Not regulated as a dangerous good
Product Name: SILICONE RUBBER

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>5000</td>
<td>*</td>
</tr>
<tr>
<td>Acetic anhydride</td>
<td>108-24-7</td>
<td>5000</td>
<td>*</td>
</tr>
</tbody>
</table>

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Pennsylvania Right To Know

- Dimethyl siloxane, hydroxy-terminated 70131-67-8 70 - 90 %
- Silicon dioxide 7631-86-9 5 - 10 %
- Distillates (petroleum), hydrotreated middle 64742-46-7 5 - 10 %
- Acetic acid 64-19-7 0 - 0.1 %
- Acetic anhydride 108-24-7 0 - 0.1 %

New Jersey Right To Know

- Dimethyl siloxane, hydroxy-terminated 70131-67-8 70 - 90 %
- Silicon dioxide 7631-86-9 5 - 10 %
- Distillates (petroleum), hydrotreated middle 64742-46-7 5 - 10 %

California Prop 65
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.
SAFETY DATA SHEET

Product Name: SILICONE RUBBER

SECTION 15. REGULATORY INFORMATION (CONTINUED)

The ingredients of this product are reported in the following inventories:
REACH : All ingredients (pre-)registered or exempt.
TSCA : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
DSL : All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).
AICS : All ingredients listed or exempt.
IECSC : All ingredients listed or exempt.
PICCS : All ingredients listed or exempt.

Inventories
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECl (Korea), NZIoC (New Zealand), PICCS (Philippines), NECSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

NFPA:

HMIS III:

Health
1 = High, 0 = Not significant

Flammability
1 = Slight, 0 = Not significant

Special hazard.

Physical Hazard
0 = Not significant

HEALTH
1 = High, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

FLAMMABILITY
1 = Slight

PHYSICAL HAZARD
0 = Not significant

0 = Not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic
SAFETY DATA SHEET

Product Name: SILICONE RUBBER

SECTION 16. OTHER INFORMATION (CONTINUED)

Full text of other abbreviations

NIOSH REL : USA, NIOSH Recommended Exposure Limits
OSHA P0 : USA, OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1 : USA, Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
OSHA Z-3 : USA, Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA P0 / TWA : 8-hour time weighted average
OSHA Z-1 / TWA : 8-hour time weighted average
OSHA Z-3 / TWA : 8-hour time weighted average


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