MEGA BLACK OEM HIGH-TEMP SILICONE GASKET MAKER

This product appears in the following stock number(s):
99839, 99849

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Tradename: MEGA BLACK OEM HIGH-TEMP SILICONE GASKET MAKER
General use: When cured, these products are not hazardous. They cure by reacting with atmospheric moisture to slowly give off butanone oxime. Butanone oxime can be an irritant
Chemical family: Elastomeric rubber

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Abbr.</th>
<th>Weight%</th>
<th>ACGIH; TLV-TWA</th>
<th>OSHA PEL:</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED 70131-67-8</td>
<td>n/e</td>
<td>&gt;30</td>
<td>n/e</td>
<td>n/e</td>
<td>n/e</td>
</tr>
<tr>
<td>CALCIUM CARBONATE 471-34-1</td>
<td>n/e</td>
<td>&lt;30</td>
<td>10 mg/m³</td>
<td>n/e</td>
<td>n/e</td>
</tr>
<tr>
<td>LIMESTONE 1317-65-3</td>
<td>n/e</td>
<td>&lt;20</td>
<td>10 mg/m³</td>
<td>15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable)</td>
<td>n/e</td>
</tr>
<tr>
<td>POLYBUTYLENE RESIN 9003-29-6</td>
<td>n/e</td>
<td>&lt;20</td>
<td>n/e</td>
<td>n/e</td>
<td>n/e</td>
</tr>
<tr>
<td>VINYL OXIMINOSILANE 2224-33-1</td>
<td>n/e</td>
<td>&lt;5</td>
<td>n/e</td>
<td>n/e</td>
<td>n/e</td>
</tr>
<tr>
<td>STEARIC ACID 57-11-4</td>
<td>n/e</td>
<td>&lt;2</td>
<td>n/e</td>
<td>n/e</td>
<td>n/e</td>
</tr>
<tr>
<td>2-BUTANONE OXIME 86-29-7</td>
<td>n/e</td>
<td>0.5-2.0</td>
<td>n/e</td>
<td>n/e</td>
<td>n/e</td>
</tr>
<tr>
<td>CARBON BLACK 1333-86-4</td>
<td>n/e</td>
<td>0.1-1.0</td>
<td>3.5 mg/m³ TWA</td>
<td>3.5 mg/m³ TWA</td>
<td>n/e</td>
</tr>
<tr>
<td>TRADE SECRET (Non-hazardous) MIXTURE</td>
<td>n/e</td>
<td>Balance</td>
<td>n/e</td>
<td>n/e</td>
<td>n/e</td>
</tr>
</tbody>
</table>

“TLV” means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. “STEL” indicates a short-term exposure limit. “PEL” indicates the OSHA Permissible Exposure Limit. “n/e” indicates that no exposure limit has been established. An asterisk (*) indicates a substance whose identity is a trade secret of our supplier and unknown to us.

3. HAZARDOUS IDENTIFICATION

Emergency Overview

Appearance, form, odor: Black paste with mild odor

CAUTION!. Eye, skin and respiratory irritant. May be harmful if swallowed.

Potential health effects
Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation

Symptoms of acute overexposure
Skin: May cause irritation and skin sensitization.
Eyes: May cause mild eye irritation
Inhalation: Causes irritation of the mouth, nose, and throat. Irritates mucous membranes. Excessive inhalation causes headache, dizziness, nausea, and incoordination.
Ingestion: May cause gastric distress (nausea, vomiting, diarrhea).

Effects of Chronic Exposure: None known.

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight%</th>
<th>NTP</th>
<th>ACGIH Carcinogens</th>
<th>IARC</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARBON BLACK</td>
<td>0.1-1.0</td>
<td>Group A4 - Not classifiable as a human carcinogen</td>
<td>Group 2B; Monograph 65, 1996</td>
<td></td>
</tr>
</tbody>
</table>

Medical Conditions Recognized as Being Aggravated by Exposure:
Preexisting eye, skin and respiratory disorders may be aggravated by overexposure to this product.

4. FIRST AID MEASURES

Eye Contact: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Skin Contact: Wipe off paste with paper towel or cloth. Wash exposed area with soap and water. Seek medical attention if irritation persists.

Inhalation: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion: Rinse mouth Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Recommended Extinguishing Media: Carbon dioxide, Dry chemical, foam

Flash point: >200°F (93.3°C) Method: TCC

Lower Explosive Limit: n/d Upper Explosive Limit: n/d

Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.

Unusual Fire/Explosion Hazards: None.

Hazardous Products of Combustion:
Oxides of carbon, Oxides of nitrogen, Methyl ethyl ketone, possibly methyl ethyl ketoxime, Formaldehyde

6. ACCIDENTAL RELEASE MEASURES

Spill Control: Avoid personal contact. Ventilate area.

Containment: Dike, contain and absorb with clay, sand or other suitable material

Cleanup: Wipe or scrape up spill material. Clean up spill thoroughly as residue is slippery. Place in an appropriate waste container for disposal.
Special procedures: Prevent spill from entering drainage/sewer systems, waterways and surface water.

### 7. HANDLING AND STORAGE

**Handling precautions:** Avoid contact with the skin and the eyes. Avoid breathing vapors or mists. Do not wear contact lenses. Do not ingest.

**Storage:** Store away from water or moisture.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls:**

**Ventilation:**
General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

**Other engineering controls:** Eye wash station.

**Personal protective equipment**

**Eye and face protection:** Safety glasses with side shields

**Skin protection:** Rubber gloves.

**Respiratory protection:** With good ventilation, none required. An approved respirator (i.e.NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

**Comments:** When heated to temperatures above 300 degrees F. in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for formaldehyde.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Specific Gravity:** 1.33

**Melting point:** n/d

**Vapor Pressure:** <5 mmHg @ 80°F

**VOC:** <4% by weight

**pH (5% solution or slurry in water):** n/d

**Boiling Point:** Not applicable, polymeric material

**Vapor Density (Air=1):** 3.0

**Evaporation Rate:** n/d

**Solubility in water:** Polymerized

### 10. STABILITY AND REACTIVITY

This material is chemically stable. Hazardous polymerization will not occur.

**Conditions to Avoid:** Exposure to moisture.

**Incompatabilities:** Polymerized by contact with moisture, Strong oxidizers, Acids, Iron

**Hazardous Products of Combustion:** Oxides of carbon, Oxides of nitrogen, Methyl ethyl ketone, possibly methyl ethyl ketoxime, Formaldehyde

**Conditions under which hazardous polymerization may occur:** None.

### 11. TOXICOLOGICAL INFORMATION

**Eye Contact:** No data available.

**Subchronic effects:** No data available.
**Carcinogenicity, tertogenicity and mutagenicity:** Methyl ethyl ketoxime (MEKO) is formed upon contact with water or humid. Male rodents exposed to MEKO vapor throughout their lifetimes developed liver cancer. Until more data is available, exposure levels should be maintained as low as possible.

**Other chronic effects:** Not determined.

**Toxicological information on hazardous chemical constituents of this product:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Oral LD50 (rat)</th>
<th>Dermal LD50 (rabbit)</th>
<th>Inhalation LC50 4hr (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED 70131-67-8</td>
<td>n/d</td>
<td>n/d</td>
<td>n/d</td>
</tr>
<tr>
<td>CALCIUM CARBONATE 471-34-1</td>
<td>n/d</td>
<td>n/d</td>
<td>n/d</td>
</tr>
<tr>
<td>LIMESTONE 1317-65-3</td>
<td>n/d</td>
<td>n/d</td>
<td>n/d</td>
</tr>
<tr>
<td>POLYBUTYLENE RESIN 8003-29-6</td>
<td>n/d</td>
<td>n/d</td>
<td>n/d</td>
</tr>
<tr>
<td>VINYL OXIMINOSILANE 2224-33-1</td>
<td>n/d</td>
<td>n/d</td>
<td>n/d</td>
</tr>
<tr>
<td>STEARIC ACID 57-11-4</td>
<td>n/d</td>
<td>n/d</td>
<td>n/d</td>
</tr>
<tr>
<td>2-BUTANONE OXIME 96-29-7</td>
<td>n/d</td>
<td>n/d</td>
<td>n/d</td>
</tr>
<tr>
<td>CARBON BLACK 1333-86-4</td>
<td>oral rat: &gt;15400 mg/kg rabbit: &gt;3 g/kg</td>
<td>n/d</td>
<td></td>
</tr>
<tr>
<td>TRADE SECRET (Non-hazardous) MIXTURE</td>
<td>n/d</td>
<td>n/d</td>
<td>n/d</td>
</tr>
</tbody>
</table>

'\textit{n/d}' = not determined

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12. **ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available.

**Mobility and persistence:** No data available.

**Environmental fate:** No data available.

13. **DISPOSAL CONSIDERATIONS**

Please see also Section 15, Regulatory Information.

**Recommended Method of Disposal:** If material becomes a waste, it would not be a hazardous waste by RCRA criteria (40CFR 261). Dispose of according to applicable federal, state and local regulations.

**US EPA Waste Number:** NH - Not a RCRA Hazardous Waste Material.

14. **TRANSPORT INFORMATION**

**Proper shipping name:** Not regulated

**Technical name:** N/A

**Hazard class:** N/A

**UN/ID Number:** N/A

**Packing group:** N/A

**Emergency Response Guide no:** N/A

15. **REGULATORY INFORMATION**

U.S. Federal Regulations
TSCA:
All ingredients of this product are listed or are exempt from listing on the TSCA Inventory.

The following RCRA code(s) applies to this material if it becomes waste:
None

Regulatory status of hazardous chemical constituents of this product:

<table>
<thead>
<tr>
<th>Component</th>
<th>Extremely Hazardous*</th>
<th>Toxic Chemical**</th>
<th>CERCLA RQ (lbs)</th>
<th>12B EXPORT NOTIFICATION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED 70131-67-8</td>
<td>No</td>
<td>No</td>
<td>0.0</td>
<td>Not required</td>
</tr>
<tr>
<td>CALCIUM CARBONATE 471-34-1</td>
<td>No</td>
<td>No</td>
<td>0.0</td>
<td>Not required</td>
</tr>
<tr>
<td>LIMESTONE 1317-65-3</td>
<td>No</td>
<td>No</td>
<td>0.0</td>
<td>Not required</td>
</tr>
<tr>
<td>POLYBUTYLENE RESIN 9003-29-6</td>
<td>No</td>
<td>No</td>
<td>0.0</td>
<td>Not required</td>
</tr>
<tr>
<td>VINYL OXIMINOSILANE 2224-33-1</td>
<td>No</td>
<td>No</td>
<td>0.0</td>
<td>Not required</td>
</tr>
<tr>
<td>STEARIC ACID 57-11-4</td>
<td>No</td>
<td>No</td>
<td>0.0</td>
<td>Not required</td>
</tr>
<tr>
<td>2-BUTANONE OXIME 86-29-7</td>
<td>No</td>
<td>No</td>
<td>0.0</td>
<td>Not required</td>
</tr>
<tr>
<td>CARBON BLACK 1333-86-4</td>
<td>No</td>
<td>No</td>
<td>0.0</td>
<td>Not required</td>
</tr>
<tr>
<td>TRADE SECRET (Non-hazardous) MIXTURE</td>
<td>No</td>
<td>No</td>
<td>0.0</td>
<td>Not required</td>
</tr>
</tbody>
</table>

*Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substance List.
**Substances for which the “Toxic Chemical” column is marked “Yes” are on the SARA Section 313 list of Toxic Chemicals, for which release reporting may be required. For specific requirements, consult the appropriate regulations.

For purposes of SARA Section 312 hazardous materials inventory reporting, the following hazard classes apply to this material: Immediate health hazard, Delayed health hazard

California regulations: For purposes of the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65), this product does not contain any listed chemical at or above the No Significant Risk Limit.

Canadian Regulations
WHMIS Hazard Class: D2B TOXIC MATERIALS

16. OTHER INFORMATION

Hazardous Material Information System (HMIS) rating:
Health 1 Flammability 1 Physical Hazard 0

HMIS is a registered trademark of the National Paint and Coatings Assn.

Revision Date: November/06/2008
Revision Number: 5

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