PRODUCT SAFETY INFORMATION SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

TRADE NAME: BF-1000 Series
CHEMICAL FAMILY: Polydimethylsiloxane Polymer
HMIS RATING: H 1 F 1 R 0
USE OF ARTICLE: Gasket – Sound Barrier
DATE ISSUED: March 5, 2015
COMPANY/UNDERTAKING
IDENTIFICATION: Rogers Corporation
171 West Charles St.
Carol Stream, IL 60188-2081
Phone: 001-630-784-6200
Fax: 001-630-784-6201
Email: msdsinfo@rogerscorporation.com

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE MATERIAL: NE
LABELING REQUIREMENTS: NE
EFFECTS OF OVEREXPOSURE:

- INHALATION: Dust may cause respiratory irritation.
- EYE CONTACT: Dust may cause irritation.
- SKIN CONTACT: None known.
- INGESTION: None known.
- CHRONIC: IARC has listed carbon black as a Class 2B suspected human carcinogen based on tests with laboratory animals.

This material is produced as an “article” as defined in 20 CFR 1910.1200 and REGULATION (EC) N° 1907/2006 is therefore exempt from the Hazard Communication Standard and REACH. Since this material does not release and will not result in exposure to a hazardous chemical under normal conditions of use, no Safety Data Sheet is required.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>EINECS /ELINCS</th>
<th>%</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>China OEL</th>
<th>EU Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polydimethylsiloxane Polymer</td>
<td>Proprietary</td>
<td>Proprietary</td>
<td>99</td>
<td>NE</td>
<td>3.5 mg/m³</td>
<td>NE</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carbon Black (Black and Gray Colors Only)</td>
<td>1333-86-4</td>
<td>215-609-9</td>
<td>&lt; 1</td>
<td>3.5 mg/m³</td>
<td>3.5 mg/m³</td>
<td>NE</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

1 of 4
4. **FIRST-AID MEASURES**

**INHALATION:** Remove to fresh air. Obtain medical attention if symptoms persist.

**EYE CONTACT:** Flush eyes with large amounts of water for 15 to 20 minutes. Obtain medical attention if symptoms persist.

**SKIN CONTACT:** Immediately take off all contaminated clothing and flush area with water for 15 to 20 minutes. Obtain medical attention if symptoms persist.

**INGESTION:** Not a likely route of exposure. If large amounts of processing dusts are ingested resulting in gastrointestinal discomfort, seek medical attention.

5. **FIRE-FIGHTING MEASURES**

**FLASH POINT:** NE °C (°F)  
**AUTOIGNITION TEMPERATURE:** NE °C (°F)  
**Flammable Limits:** LEL NA UEL NA

**EXTINGUISHING MEDIA:**  
- X Water Spray  
- X Foam  
- X CO₂  
- X Dry Chemical  
- X Other –

**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Decomposition in a fire may produce toxic fumes and siliceous char. Carbon monoxide, carbon dioxide, fluorine compounds, formaldehyde, silicon dioxide, and traces of incompletely burned carbon compounds.

6. **ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS:** Wear suitable protective equipment. Wear self-contained breathing apparatus and heavy rubber gloves. Avoid contact with skin and eyes.

**ENVIRONMENTAL PRECAUTIONS:** Prevent from entering sewer system, surface water or soil.

**CLEANING METHODS:** Pick up larger solid materials. Use broom and dust pan to collect smaller pieces. Dispose of properly.

7. **HANDLING AND STORAGE**

**HANDLING:** Wear suitable protective equipment (refer to Section 8). Wash hands with soap and water after handling.

**STORAGE:** Keep in a cool, well-ventilated area.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:** None needed under normal conditions. If material is heated and odors are noticeable and/or irritating a respirator meeting NIOSH requirements should be used. A qualified individual should evaluate each situation.

**VENTILATION**
- **LOCAL:** Recommended for all industrial operations.
- **GENERAL:** Recommended for all industrial operations.
PERSONAL PROTECTION

HAND: Heavy Rubber Gloves.
EYE: Safety glasses with side-shields are recommended in all industrial operations
SKIN: None Required
OTHER: Safety shower/eyewash in the area.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Cellular Silicone Material</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight Characteristic</td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Boiling Point, °C (°F)</td>
<td>NA</td>
</tr>
<tr>
<td>Melting Point, °C (°F)</td>
<td>NA</td>
</tr>
<tr>
<td>Freezing Point, °C (°F)</td>
<td>NA</td>
</tr>
<tr>
<td>Flash Point, °C (°F)</td>
<td>NA</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>In-Soluble</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>NA</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.2 (Water = 1)</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>NA</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>NA</td>
</tr>
<tr>
<td>Relative Density</td>
<td>0.2 g/cc</td>
</tr>
<tr>
<td>Viscosity</td>
<td>NA</td>
</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>NA °C (°F)</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>NA °C (°F)</td>
</tr>
<tr>
<td>Ph</td>
<td>NA</td>
</tr>
<tr>
<td>Flammability</td>
<td>NA</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

STABLE X UNSTABLE ___

CONDITIONS TO AVOID: NE
MATERIALS TO AVOID: NE
HAZARDOUS POLYMERIZATION: May Occur X Does Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition in a fire may produce toxic fumes and siliceous char. Carbon monoxide, carbon dioxide, fluorine compounds, formaldehyde, silicon dioxide, and traces of incompletely burned carbon compounds.

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: IARC has listed carbon black as a Class 2B suspected human carcinogen based on tests with laboratory animals.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: NA

13. DISPOSAL CONSIDERATION

PHYSICAL/CHEMICAL PROPERTIES AFFECTING DISPOSAL: None
ENVIRONMENTAL TOXICITY DATA: NA
WASTE DISPOSAL METHOD: Dispose of in accordance with applicable federal, state, provincial, and local laws and regulations.
14. TRANSPORT INFORMATION
UN NUMBER: Not Regulated
UN PROPER SHIPPING NAME: Not Regulated
HAZARD CLASS (ES): Not Regulated
PACKING GROUP: Not Regulated
ENVIRONMENTAL HAZARDS: NE

15. REGULATORY INFORMATION
INTERNATIONAL REGULATIONS:
- Canadian (DSL/NDSL): Listed
- Australian (ACIS): Listed
- Korea (KECI): Listed
- Japan (ENCS, MITI): Listed
- China (SEPA): Article - Exempt
- EU Directive 1907/2006/EC (REACH): This material is classified as an article.
- EU REACH SVHA: This article does not contain SVHC above 0.1%wt.
- EU Directive 2011/65/EC (RoHS): Does not contain any intentionally added substances mentioned by the RoHS directive.

European:
Symbol: Not classified according to directive 1999/45/EC & 2001/60/EC (dangerous preparations).
R-Phase(s): NA
S-Phase(s): NA
TSCA (Toxic Substances Control Act): All materials are listed or exempt from TSCA listing.
CERCLA (Comprehensive Emergency Response, Compensation, and Liability Act): NA
SARA TITLE III (Superfund Amendments and Reauthorization Act): NA
311/312 HAZARD CATEGORIES: None

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<table>
<thead>
<tr>
<th>CAS #</th>
<th>CHEMICAL NAME</th>
<th>PERCENT BY WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>Chromium Compounds</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>NA</td>
<td>Zinc Compounds</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>NA</td>
<td>Copper Compounds</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION
NA = Not Applicable
NE = Not Established
NC = Not Classified
FILE: 99055-BF1000 Series PSIS-03052015.doc
PREPARED BY: Michal Werbecki
REVIEWED BY: Curtis Kempon
Date Prepared: 03/05/2015

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