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

   **TRADE NAME:** Uncured Silicone Rubber Sheet

   **PRODUCT NUMBERS COVERED:** Various applications

   **USE OF ARTICLE:** Various applications

   **DATE ISSUED:** 09/27/2018

   **COMPANY/UNDERTAKING IDENTIFICATION:**
   - Rogers Corporation
   - 1100 Governor Lead Rd
   - Bear, DE 19701 USA
   - Phone: 01-302-834-2100
   - Fax: 01-302-834-4021
   - Email: msdsinfo@rogerscorporation.com

2. **HAZARDS IDENTIFICATION**

   **CLASSIFICATION OF THE MATERIAL:** NE

   **LABELING REQUIREMENTS:** NE

   **EFFECTS OF OVEREXPOSURE:**

   - Dust generated during machining or grinding may cause respiratory irritation.
   - Dust may cause irritation.
   - None known.

   **INHALATION:** Dust generated during machining or grinding may cause toxic fumes.

   **EYE CONTACT:** Dust may cause irritation.

   **SKIN CONTACT:** Dust may cause irritation.

   **INGESTION:** None known.

   **CHRONIC:** NE

3. **COMPOSITION/INFORMATION ON INGREDIENTS**

   The materials are 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>%</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4-Dichlorobenzoyl peroxide a</td>
<td>133-14-2</td>
<td>0.1-5.0</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Benzoyl peroxide a</td>
<td>94-36-0</td>
<td>0.1-5.0</td>
<td>5.0 mg/m³</td>
<td>5.0 mg/m³</td>
</tr>
<tr>
<td>2,5-dimethyl-2,5-di-(t-butylperoxy) hexane a</td>
<td>78-63-7</td>
<td>0.1-5.0</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

   a. Uncured silicone rubber sheets are supplied with one of three peroxides as curing agent.
   b. Octamethylcyclotetrasiloxane presents as an impurity in the silicone compound used for the product.

4. **FIRST-AID MEASURES**

   **INHALATION:** Move 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: Get medical attention.

5. FIRE-FIGHTING MEASURES

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

AUTOIGNITION TEMPERATURE: NE °C (°F)

EXTINGUISHING MEDIA: X Water Spray X Foam X CO₂

X Dry Chemical ___ Other

SPECIAL FIRE FIGHTING PROCEDURES: Decomposition in a fire may produce toxic fumes. Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Carbon monoxide, formaldehyde, silicon dioxide, metal oxides, and incompletely burned carbon compounds.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Use personal protective equipment recommended in section 8.

ENVIRONMENTAL PRECAUTIONS: The material is not biodegradable.

CLEANING METHODS: Sweep or shovel into appropriate container for disposal. Use absorbent to remove any residues.

7. HANDLING AND STORAGE

HANDLING: Wear suitable protective equipment, refer to Section 8. Cure the product only in ventilated areas. Avoid processes that liberate small particles, such as machining or grinding.

STORAGE: Store material in original packaging away from excess heat. Store away from strong acids, strong bases and strong oxidizers, sulfur and amines.

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: Wear suitable disposable gloves.
EYE: Safety glasses with side-shields are recommended in all industrial operations.
9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Supported silicone gum sheet (Various Colors)
ODOR: Characteristic silicone
PHYSICAL STATE: Solid
BOILING POINT: NA °C (°F)
MELTING POINT: NE °C (°F)
FREEZING POINT: NA °C (°F)
FLASH POINT: NE °C (°F)
WATER SOLUBILITY: In-Soluble
VAPOR DENSITY: NA
VAPOR PRESSURE: NA
SPECIFIC GRAVITY: 1.0-2.0 (rubber only)
PARTITION COEFFICIENT: NA
EVAPORATION RATE: NA
RELATIVE DENSITY: NA
VISCOSITY: NA
AUTO-IGNITION TEMPERATURE: NA °C (°F)
DECOMPOSITION TEMPERATURE: NA °C (°F)
PH: NA
FLAMMABILITY: NA

10. STABILITY AND REACTIVITY

STABLE X UNSTABLE ___

CONDITIONS TO AVOID: Excess exposure to heat may cause premature polymerization of gum to rubber.
MATERIALS TO AVOID: Exposure to sulfur and/or amines may inhibit the formation of crosslinks.
HAZARDOUS POLYMERIZATION: May Occur X Does Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, formaldehyde, silicon dioxide, metal oxides, and traces of incompletely burned carbon compounds.

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: NA

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): Article - exempt
Australian (ACIS): Article - exempt
Korea (KECI): Article - exempt
Japan (ENCS, MITI): Article - exempt
China (IECSC): Article - exempt
EU Directive 2011/65/EC (RoHS): Product is in compliance with the European Directive 2011/65/EC on Restriction on Hazardous Substances and the Chinese Administration Measure on the Control of Pollution Caused by Electronic Information.
EU REACH SVHC: SVHC octamethylcyclotetrasiloxane (D4) presents as impurity in the silicone compounds used for the products.

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>94-36-0</td>
<td>Benzoyl Peroxide</td>
<td>0.1-5.0</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION
NA = Not Applicable
NE = Not Established
NC = Not Classified
FILE: 99407 Uncured Silicone Rubber Sheet PSIS 09272018
PREPARED BY: Jianhua Zou
REVIEWED BY: Michal Werbecki

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULT TO BE OBTAINED FROM THE USE THEREOF. ROGERS CORPORATION ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS_ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.