



PRODUCT SAFETY INFORMATION SHEET

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

TRADE NAME: Uncured Hose & Duct Substrate
PRODUCT NUMBERS COVERED:
USE OF ARTICLE: Hose & Duct Substrate
DATE ISSUED: 09/27/2018
COMPANY/UNDERTAKING IDENTIFICATION: Rogers Corporation
1100 Governor Lead Rd
Bear, DE 19701 USA
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2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE MATERIAL: NE
LABELING REQUIREMENTS: NE
EFFECTS OF OVEREXPOSURE: None are expected with normal handling. However, machining or grinding may cause dusting. Processing material at temperatures exceeding decomposition temperatures may release toxic fumes.
INHALATION: Dust generated during machining or grinding may cause respiratory irritation.
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.

| <u>Chemical Name</u> | <u>CAS No.</u> | <u>%</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
|---|----------------|----------|-----------------------|-----------------------|
| Benzoyl peroxide ^a | 94-36-0 | 0.1-5.0 | 5.0 mg/m ³ | 5.0 mg/m ³ |
| Octamethylcyclotetrasiloxane ^b | 556-67-2 | 0.1-1.0 | NA | NA |

- a. Uncured hose and duct substrates are supplied with benzoyl peroxide 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.
 SKIN: None Required

OTHER:

Safety shower/eyewash in the area.

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 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: | <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Does Not Occur |
| HAZARDOUS DECOMPOSITION PRODUCTS: | CO, CO ₂ , 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 All materials are listed or exempt from TSCA listing.
(Toxic Substances Control Act):

CERCLA NA
(Comprehensive Emergency Response,

Compensation, and Liability Act):

SARA TITLE III NA
(Superfund Amendments and

Reauthorization Act):
 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:

| <u>CAS #</u> | <u>CHEMICAL NAME</u> | <u>PERCENT BY WEIGHT</u> |
|--------------|----------------------|--------------------------|
| 94-36-0 | Benzoyl Peroxide | 0.1-5.0 |

16. OTHER INFORMATION

NA = Not Applicable

FILE: 99406 Uncured Hose & Duct Substrate PSIS
 09272018

NE = Not Established

NC = Not Classified

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