



PRODUCT SAFETY INFORMATION SHEET

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

TRADE NAME: Secure Thermal Interface Material

PRODUCT NUMBERS COVERED:

USE OF ARTICLE: Thermal conductive silicone adhesive

DATE ISSUED: 12/13/2021

COMPANY/UNDERTAKING IDENTIFICATION: Rogers Corporation
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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 29 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>
2,4-Dichlorobenzoyl peroxide	133-14-2	0.1-5.0	NA	NA
Octamethylcyclotetrasiloxane ^a	556-67-2	0.1-1.0	NA	NA

a. 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 LEL NA UEL NA
Limits: _____

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 at 45±5°F (7±3°C) until ready to use. 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:	1.5-2.8 (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:	NE
MATERIALS TO AVOID:	NE
HAZARDOUS POLYMERIZATION:	_____ May Occur <u> X </u> Does Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:	CO, CO ₂ , formaldehyde, silicon dioxide, 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 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>
NA	NA	NA

16. OTHER INFORMATION

NA = Not Applicable

FILE: 99402 Secure Thermal Interface
Material PSIS 12132021

NE = Not Established

NC = Not Classified

PREPARED BY: Corporate EHS

REVIEWED BY: EHS Engineering

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