



171 West St. Charles Road, Carol Stream, IL 60188-2081 / 630-784-6200 / Fax: 630-784-6201

PRODUCT SAFETY INFORMATION SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: HT-6000 Series

CHEMICAL FAMILY: Silicone Elastomer

HMIS RATING: H 0 F 1 R 0

USE OF MATERIAL: High Temperature/ High Pressure Gasketing

DATE PREPARED: September 8, 2014

COMPANY/UNDERTAKING IDENTIFICATION: Rogers Corporation
171 West St. Charles Road
Carol Stream, IL 60188-2081
Phone: 001-630-784-6200
Fax: 001-630-784-6201
Email: msdsinfo@rogerscorporation.com

CHEMTREC: 800-424-9300 (U.S. & Canada)
703-527-3887 (International – Call Collect)

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE MATERIAL: NE

LABELING REQUIREMENTS: NE

EFFECTS OF OVEREXPOSURE: None are expected with normal handling. Materials listed in Section 2 are encapsulated or compounded making release unlikely. Cutting and other finishing operations may create dust. Ventilation and personal protective equipment should be similar to operations generating nuisance dust.

INHALATION: Dusts may cause respiratory irritation.

EYE CONTACT: Dusts may cause irritation.

SKIN CONTACT: Dusts may cause irritation.

INGESTION: None known.

CHRONIC: The IARC has listed carbon black as a Class 2B possible human carcinogen based on animal studies.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is produced as an “article” as defined in 20 CFR 1910.1200 and is therefore exempt from the Hazard Communication Standard. Since this material does not release chemicals and will not result in exposure to a hazardous chemical under normal conditions of use, no Material Data Sheet is required. This form is provided as a convenience to our customers.

| <u>Chemical Name</u> | <u>CAS No.</u> | <u>EINECS /ELINCS</u> | <u>%</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>China OEL</u> | <u>EU Classification</u> |
|---|----------------|-----------------------|----------|--------------------------|--------------------------|------------------------|----------------------------|
| Carbon Black (Present in HT-6210, 6220, & L6360) | 1333-86-4 | 215-609-9 | <1 | 3.5 mg/m ³ | 3.5 mg/m ³ | 4 mg/m ³ | NC according to 67/548/EEC |
| Titanium Dioxide (Present in HT-6210) | 13463-67-7 | 236-675-5 | <1 | 15 mg/m ³ | 10 mg/m ³ | 8 mg/m ³ | NC according to 67/548/EEC |
| Aluminum Oxide (Present in 6360 Black) | 1344-28-1 | 215-691-6 | <20 | 15 mg/m ³ | 10 mg/m ³ | NA | NC according to 67/548/EEC |

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 soap and 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: | NA | Flammable Limits: | LEL | <u>NE</u> | UEL | <u>NE</u> |
| AUTOIGNITION TEMPERATURE: | NA | | | | | |
| EXTINGUISHING MEDIA: | <u> X </u> Water Spray | <u> X </u> Foam | <u> X </u> CO ₂ | | | |
| | <u> X </u> Dry Chemical | <u> </u> 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. | | | | | |

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. Avoid processing conditions that release small particles of materials (10 micrometers or less). |
| STORAGE: | Keep container tightly closed in a dry, cool, and well-ventilated area. |

8. ENGINEERING 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. |
| <u>VENTILATION</u> | |
| LOCAL: | Recommended for all industrial operations. |
| GENERAL: | Recommended for all industrial operations. |
| <u>PERSONAL PROTECTION</u> | |
| HAND: | None required. |
| EYE: | Safety glasses are recommended with all industrial operations. |
| SKIN: | None required. |
| OTHER: | Safety shower/eyewash in the area if possible tissue exposure to materials. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------|---|
| APPEARANCE: | Translucent silicone rubber on polyester. |
| ODOR: | Slight characteristic. |
| PHYSICAL STATE: | Solid |
| BOILING POINT: | NA °C (°F) |
| MELTING POINT: | NE °C (°F) |
| FREEZING POINT: | NA °C (°F) |
| WATER SOLUBILITY: | NE °C (°F) |
| VAPOR PRESSURE: | Soluble |
| SPECIFIC GRAVITY: | NA |
| PARTITION COEFIECIENT: | NA |
| EXPLOSIVE PROPERTIES: | 1.1 (Water = 1) |
| EVAPORATION RATE: | NA |
| DENSITY: | NA |
| VISCOSITY: | 1.1g/cc |
| IGNITION TEMPERATURE: | NA |
| PH: | NA °C (°F) |
| FLAMMABILITY: | NA °C (°F) |
| OXIDIZING PROPERTIES: | NA |

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: | | Carbon monoxide, carbon dioxide, formaldehyde, silicon dioxide, and traces of partially burned carbon compounds. | |

11. TOXICOLOGICAL INFORMATION

| | |
|-----------------------|----|
| ACUTE/CHRONIC: | NE |
| REPRODUCTIVE HAZARDS: | NE |
| CARCINOGENIC STATUS: | NA |

12. ECOLOGICAL INFORMATION

NA

13. DISPOSAL CONSIDERATION

| | |
|------------------------------|---|
| ENVIRONMENTAL TOXICITY DATA: | NA |
| WASTE DISPOSAL METHOD: | Dispose of in accordance with applicable, federal, state, provincial, and local laws and regulations. |
| CONTAINER DISPOSAL: | 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: | Not Regulated |

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS:

| | |
|---------------------------------|--|
| Canadian (DSL/NDSL): | Listed |
| Australian (ACIS): | Listed |
| Korea (KECI): | Listed |
| Japan (ENCS, MITI): | Listed |
| China (IECSC): | Material is Classified as an Article |
| REACH Directive | Material is Classified as an Article |
| 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 ingredients listed on TSCA or exempt. Material is classified as an Article

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:

CAS #
NA

CHEMICAL NAME
NA

PERCENT BY WEIGHT
NA

16. OTHER INFORMATION

NA = Not Applicable
NE = Not Established
NC = Not Classified

FILE: 99063-HT6000 Series PSIS-09082014.doc
99064
PREPARED BY: Michal Werbecki
REVIEWED BY: Curtis Kempton

Review date: 09/08/2014
Section Modified:

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