



PRODUCT SAFETY INFORMATION SHEET

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

TRADE NAME: DermaBak[®] Advanced Dermal Materials
HMIS RATING: H 1 F 1 R 0
DATE ISSUED: November 27, 2013
COMPANY/UNDERTAKING IDENTIFICATION: Rogers Corporation
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2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE MATERIAL: NA
LABELING REQUIREMENTS: NA
EFFECTS OF OVEREXPOSURE: None are expected with normal handling. Cutting and other finishing operations may create polyurethane dust. Ventilation and personnel protection should be similar to all operations generating nuisance dust.
INHALATION: Dust may cause respiratory irritation. Remove to fresh air and seek medical attention if necessary.
EYE CONTACT: Dust may cause irritation. Flush eyes with water and seek medical attention if necessary.
SKIN CONTACT: Dust may cause irritation. Wash thoroughly with soap and water.
INGESTION: None known.
CHRONIC: NA

3. COMPOSITION/INFORMATION ON INGREDIENTS

| <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> |
|----------------------|----------------|-----------------------|----------|------------------------------|-----------------------------|------------------|--------------------------|
| Aluminum Oxide | 1344-28-1 | NA | <5% | 15T, 5R mg/m ³ | 1R mg/m ³ | NA | NA |
| Silicon Oxide | 7631-86-9 | NA | 5% | 5 mg/m ³ Resp | 3 mg/m ³ Resp | NA | NA |

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.

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: NE

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 X 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: None known.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: None needed.

ENVIRONMENTAL PRECAUTIONS: None needed.

CLEANING METHODS: Sweep or shovel into appropriate container for disposal. Avoid creation of nuisance dust.

7. HANDLING AND STORAGE

HANDLING: Hot wire cutting operations should be exhausted to prevent exposure to irritating vapors. Wear suitable protective equipment, refer to Section 8.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: None needed under normal conditions. Disposable dust mask recommended for machining operations. 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: | Gloves to avoid skin contact if desired. |
| 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: | Solid, Cellular Urethane Foam Roll |
| ODOR: | Slight Odor |
| 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: | 0.2-0.53 |
| 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: | NE |
| MATERIALS TO AVOID: | NE |
| HAZARDOUS POLYMERIZATION: | <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Does Not Occur |
| HAZARDOUS DECOMPOSITION PRODUCTS: | CO, CO ₂ , oxides of nitrogen, HCN, 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: NA

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS:

Canadian (DSL/NDSL): NE
 Australian (ACIS): NE
 Korea (KECI): NE
 Japan (ENCS, MITI): NE
 China (IECSE): Article – exempt.
 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: 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> |
|--------------|----------------------|--------------------------|
| NA | NA | NA |

16. OTHER INFORMATION

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

FILE: 99344-DermaBak PSIS-112713.doc

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