



# PRODUCT SAFETY INFORMATION SHEET

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

TRADE NAME: R/bak<sup>®</sup>, SF, SS, U, and E/bak<sup>™</sup> (Green Material)  
printing plate sheet material

CHEMICAL FAMILY: Cellular Polyurethane

HMIS RATING: H 1 F 1 R 0

USE OF ARTICLE: Printing Plate Sheet

DATE ISSUED: 5/31/2011

COMPANY/UNDERTAKING IDENTIFICATION: Rogers Corporation  
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CHEMTREC: 800-424-9300 (U.S. & Canada) (24 Hours)  
001-703-527-3887 (International – Call Collect) (24 Hours)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

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.

| <u>Chemical Name</u> | <u>CAS No.</u> | <u>EINECS</u><br><u>/ELINCS</u> | <u>%</u> | <u>OSHA PEL</u> | <u>ACGIH</u><br><u>TLV</u> | <u>China</u><br><u>OEL</u> | <u>EU</u><br><u>Classification</u> |
|----------------------|----------------|---------------------------------|----------|-----------------|----------------------------|----------------------------|------------------------------------|
|----------------------|----------------|---------------------------------|----------|-----------------|----------------------------|----------------------------|------------------------------------|

## 3. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE MATERIAL: NE

LABELING REQUIREMENTS:  
EFFECTS OF OVEREXPOSURE: NE  
None are expected with normal handling. Cutting and other finishing operations may create polyurethane dust. If an excessive quantity of dust is inhaled, it may cause nasal and respiratory irritation. Ventilation and personal protection should be similar to all operations generating nuisance dust.

INHALATION: Remove to fresh air-seek medical attention if necessary.

EYE CONTACT: Dust may cause irritation. Safety glasses are recommended in all industrial operations. Flush eyes with water and seek medical attention.

SKIN CONTACT: Wash thoroughly with soap and water.

INGESTION: None known

CHRONIC: None known.

#### 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:    | NA   |

#### 5. FIRE-FIGHTING MEASURES

|                                     |   |                   |          |                 |     |           |
|-------------------------------------|---|-------------------|----------|-----------------|-----|-----------|
| FLASH POINT:                        | NE °C (°F)  | Flammable Limits: | LEL      | <u>NA</u>       | UEL | <u>NA</u> |
| AUTOIGNITION TEMPERATURE:           | NE °C (°F)  |                   |          |                 |     |           |
| EXTINGUISHING MEDIA:                | <u>X</u> Water Spray  | <u>X</u> Foam     | <u>X</u> | CO <sub>2</sub> |     |           |
|                                     | <u>X</u> Dry Chemical   | <u>X</u> Other –  |          |                 |     |           |
| SPECIAL FIRE FIGHTING PROCEDURES:   | Decomposition in a fire may produce toxic fumes. Firefighters should be equipped with self-contained breathing apparatus. |                   |          |                 |     |           |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: | May release hazardous vapors during a fire.   |                   |          |                 |     |           |

#### 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. 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:                      | 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:                | Blue or Black, Roll or Sheet Material |
| ODOR:                      | NA                                    |
| 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:          | 0.24-0.56 (Water = 1)                 |
| 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:              | Heat, high temperatures.   |
| MATERIALS TO AVOID:               | Acids, bases, and oxidizers.   |
| HAZARDOUS POLYMERIZATION:         | <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Does Not Occur              |
| HAZARDOUS DECOMPOSITION PRODUCTS: | CO, CO <sub>2</sub> , 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:   | NE            |

## 15. REGULATORY INFORMATION

### INTERNATIONAL REGULATIONS:

|   |  |
|---|--|
| Canadian (DSL/NDSL):  | Listed   |
| Australian (ACIS):  | NE   |
| Korea (KECI):   | NE   |
| Japan (ENCS, MITI):   | NE   |
| REACH Directive   | Material is Classified as an Article   |
| China (SEPA)  | Article - exempt   |
| EU Directive 2002/95/EC (RoHS):   | Does not contain any intentionally added substances mentioned by the RoHS directive. |
| European:   |  |
| Symbol  | Not classified according to directive 1999/45/EC (dangerous preparations).           |
| R-Phase(s):   | NA   |
| S-Phase(s):   | NA   |
| TSCA  | All materials are listed or exempt from TSCA listing.                                |
| <i>(Toxic Substances Control Act):</i>                                      |  |
| CERCLA  | NA   |
| <i>(Comprehensive Emergency Response, Compensation, and Liability Act):</i> |  |
| SARA TITLE III  | NA   |
| <i>(Superfund Amendments and Reauthorization Act):</i>                      |  |
| 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: 99105-Rbak SF SS U Ebak PSIS-05312011.doc

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