

# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: **GreenGuard**<sup>®</sup> Flashing and GreenGuard SuperStretch Flashing

SUPPLIER: Pactiv Corporation  
2100 RiverEdge Parkway, Suite 175  
Atlanta, GA 30328

CONTACTS: For additional product and/or MSDS information, please contact your Pactiv Corporation sales representative or customer service representative. (1-800-227-7339, Extension 7309)

## 2. COMPOSITION / INGREDIENTS INFORMATION

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH: This product conforms to the U.S. Occupational Safety and Health Administration (OSHA) Hazard Communication Standard's definition of an "Article, "i.e., "... a manufactured item: (I) which is formed to a specific shape or design during manufacture; (II) which has end use function(s) dependent...upon its shape or design...; and (III) which does not release, or otherwise result in exposure to, a hazardous chemical, under normal conditions of use." [29 CFR 1910:1200 (b) (6) (IV)]

## 3. HAZARDS IDENTIFICATION

U.S. OSHA HAZARD COMMUNICATION: Product assessed in accordance with OSHA requirements, per 29 CFR 1910:1200, and determined to be not hazardous.

EFFECTS OF OVEREXPOSURE: No significant effects expected.  
EMERGENCY RESPONSE DATA: Fire generates smoke.  
HMIS HAZARD IDENTIFICATION CODE: (Health: 0) (Flammability 1) (Reactivity 0)  
NFPA HAZARD IDENTIFICATION CODE: (Health: 0) (Flammability 1) (Reactivity 0)

## 4. FIRST AID MEASURES

EYE CONTACT: Immediately wash with running water for at least 15 minutes. Contact will produce a mechanical irritation similar to that resulting from contact with any foreign object.  
SKIN CONTACT: Wash exposed skin with soap and water. Direct contact should produce no skin irritation, swelling, or sensitization.  
INHALATION: The nature of this product makes inhalation highly improbable.  
INGESTION: The nature of this product makes ingestion highly improbable. If ingested, immediately induce vomiting and seek medical attention.

## 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Agents approved for Class A hazards, including carbon dioxide, foam, dry chemical and water fog.  
FLAMABLE PROPERTIES: GreenGuard Flashings are combustible and should be protected from exposure to open flame or other ignition sources.  
SPECIAL FIRE FIGHTING PROCEDURES: No special procedures required.  
FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Not expected to be a problem.  
RELEASE / SPILL PROCEDURES: Pick-up and dispose as normal refuse.  
ENVIRONMENTAL PRECAUTIONS: Normal good environmental housekeeping.  
PERSONAL PRECAUTIONS: See Section 8.

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### 7. HANDLING AND STORAGE

**HANDLING:** No special precautions are necessary beyond normal good hygiene and workplace Safety practices. Provide adequate ventilation.  
**STORAGE:** Store away from heat, ignition sources, open flame, combustible materials, and strong oxidizers.  
**PRECAUTIONS:** Keep away from sources of ignition, i.e., heat and open flame.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**VENTILATION:** No special equipment required. Use in adequately ventilated area.  
**RESPIRATORY PROTECTION:** No special equipment required under ordinary conditions of use.  
**EYE PROTECTION:** No special equipment required.  
**SKIN PROTECTION:** No special equipment required.  
**EXPOSURE LIMITS:** No recognized exposure limits established for components of this product.

### 9. TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

**COLOR:** Black with gray surface (GreenGuard Flashing), Black (GreenGuard SuperStretch)  
**ODOR:** Slight petroleum.  
**FORM:** Rolls  
**MELTING POINT:** 275 °F (135 °C) is the onset of melting and 600 °F (315 °F) is the full melting temperature.  
**DENSITY:** About 1.3.  
**SOLUBILITY IN WATER:** Insoluble.

### 10. STABILITY AND REACTIVITY

**STABILITY** Stable under normal environmental conditions.  
**CONDITIONS TO AVOID:** Exposure to aromatic hydrocarbons, gasoline, lubricating oils, halogenated hydrocarbons will soften and swell the flashing material. Do not store flashing materials in contact with strong oxidizing agents, especially at elevated temperatures.  
**HAZARDOUS DECOMPOSITION:** Incomplete combustion may yield hazardous gases/vapors including carbon monoxide, acrolein, aldehydes, ketones, fatty acids and short-chain hydrocarbons.  
**HAZARDOUS POLYMERIZATION:** Will not occur.

### 11. TOXICOLOGICAL DATA

**ACUTE TOXICITY:** No data.  
**LOCAL TOXICITY:** No data.

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL FATE:** No data.  
**MOBILITY:** No data.  
**PERSISTENCE /** No data.  
**DEGRADABILITY:** No data.  
**BIOACCUMULATION:** No data.  
**ECOTOXICITY:** No data.

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## 13. DISPOSAL CONSIDERATIONS (Based on evaluations of similar products and/or the components)

PRODUCT: Disposal must be in accordance with applicable Federal, State and Local regulations.

## 14. TRANSPORT INFORMATION

DOT/IMO: Proper shipping name is GreenGuard Flashing and GreenGuard SuperStretch.  
DOT: Not regulated.  
DOT LABEL(s): Not regulated.  
I.D. NO. (UN/NA): Not regulated.  
HAZARD CLASS: Not regulated.  
REPORTABLE QUANTITY: Not regulated.

## 15. REGULATORY INFORMATION

CERCLA 102A / 103: Product is not a Reportable Hazardous Substance under 40 CFR 302.4.  
OSHA: Product is an unregulated "Article" under OSHA HazCom 29 CFR 1910.1200 (b)(6)(IV).  
TSCA: All components comply with U.S. Toxic Substances Control Act requirements.  
SARA III, Sec. 302: Product is not an "Extremely Hazardous Substance" under 40 CFR 355.  
SARA III, Sec. 311/312: No "Reportable Hazard" categories under 40 CFR 370.  
SARA III, Sec. 313: Components not reportable under Toxic Release Program, per 40 CFR 372.

GreenGuard Flashing is subject to provisions of the Pennsylvania and New Jersey "Right-To-Know" laws.  
Pennsylvania "Right-To-Know":

<u>Chemical Name:</u>	<u>CAS Number</u>
Polybutene	9003-29-6
Butyl Ribber	9010-85-9
Petroleum Hydrocarbon Resin	68132-00-3
Hydrogenated Hydrocarbon Resin	68441-35-0

New Jersey "Right-To-Know":

<u>Chemical Name:</u>	<u>CAS Number</u>
Polybutene	9003-29-6
Butyl Ribber	9010-85-9

## 16. OTHER INFORMATION

CHEMICAL NAME: Butyl rubber, self-adhered flashing membrane.

INTENDED USE: Window and door flashing.

1. Handle this product with great care, since the evaluation of its danger and toxicity may not be sufficient.
2. The above information is based on the most up to date, yet the values of content and physical/chemical properties are not guaranteed.
3. The cautionary statements are applicable for ordinary handling only. For special handling, please devise safety measures appropriate for the use.

Information provided by sources external to our company and set forth herein is offered in good faith as accurate, but without guarantee. Safety precautions contained herein cannot anticipate all individual and unique situations. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of use of the product are, therefore, assumed by the user, and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Nothing herein is intended as recommendation for uses which infringe valid patents or as extension of license under valid patents. Appropriate warnings and safe handling procedures should be provided to users.

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