

GenFlex Roofing Systems

Material Safety Data Sheet

Material Name: TPO Pipe Boot, TPO Corner, TPO Outside Corner, TPO Non-reinforced Flashing, TPO T-Joint Cover

February 5, 2008

*** Section 1 - Chemical Product and Company Identification ***

Product Use: Building Material.

Manufacturer Information

GenFlex Roofing Systems, LLC
250 West 96th Street
Indianapolis, IN 46260

Phone: 317-575-7190 (Non-Emergency)

Emergency # 1-800-424-9300 (CHEMTREC)
International # 1-703-527-3887 (CHEMTREC)

NOTE: CHEMTREC telephone number is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service.

*** Section 2 - Hazards Identification ***

Emergency Overview

Product is a composite plastic structure molded or shaped to a specific form. Under normal conditions of use, this product is not expected to create any unusual health hazards. If the product is burned due to exposure to fire, use normal fire fighting procedures to prevent inhalation of smoke and gases. Irritating and toxic fumes and gases may be released from this product upon processing or heating.

Potential Health Effects: Eyes

Processing or heating of this product may cause dusts, particulates, vapors, and fumes which may cause irritation to the eyes. Symptoms include redness, swelling, tearing and blurred vision.

Potential Health Effects: Skin

Processing or heating of this product may cause dusts, particulates, vapors, and fumes which may cause irritation to the skin. Prolonged or repeated contact may cause redness, cracking and may dry and/or defat the skin.

Potential Health Effects: Ingestion

Ingestion of this product is unlikely, however, ingestion may cause nausea, vomiting and diarrhea.

Potential Health Effects: Inhalation

Heating this product may release harmful vapors. Excessive inhalation of processing vapors from this product may be harmful to the respiratory tract.

HMIS Ratings: Health: 1 Fire: 1 Reactivity: 0 Pers. Prot.: chemical goggles, impervious gloves

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
9003-07-0	Polypropylene	0-100
1317-65-3	Calcium carbonate	0-20
9010-79-1	Propylene/ethylene copolymer	0-80
Not Available	Filled polypropylene	0-40
Not Available	Stabilizers	0-7

Component Information/Information on Non-Hazardous Components

Pigments, additives and stabilizers are fully encapsulated in resin and are not expected to cause any hazardous conditions when processed in accordance with good manufacturing practices. This product has been determined to be an "article", meeting the criteria established in 29CFR1910.1200(b)(6)(v) and does not pose a physical hazard and/or health risk under normal conditions of use.

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*** Section 4 - First Aid Measures ***

First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation develops, seek medical attention.

First Aid: Skin

For skin contact, wash with soap and water. If irritation develops, seek medical attention.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting unless instructed to do so by medical personnel.

First Aid: Inhalation

If inhaled, remove immediately to fresh air. If symptoms develop or persist, seek immediate medical attention.

*** Section 5 - Fire Fighting Measures ***

Flash Point: Not determined

Method Used: Not applicable

Upper Flammable Limit (UFL): Not determined

Lower Flammable Limit (LFL): Not determined

Auto Ignition: Not determined

Flammability Classification: Not determined

Rate of Burning: Not determined

General Fire Hazards

Product is not considered a fire hazard, but may burn.

Hazardous Combustion Products

Irritating and toxic gases or fumes may be released during a fire. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus.

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0 Other:

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Due to the physical nature of this material, containment is not necessary.

Clean-Up Procedures

Sweep, shovel, or vacuum up material. Place in appropriate container for disposal. Ventilate the contaminated area.

Thoroughly wash the area with water after a spill or leak clean-up.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away. Keep materials which can burn away from spilled material.

Special Procedures

No information available.

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid breathing dust or fumes if this product is used at high temperatures. Use this product with adequate ventilation. Avoid getting this material into contact with your skin and eyes. Wash thoroughly after handling. Keep this product from heat, sparks, or open flame.

Storage Procedures

Keep this material in a cool, well-ventilated place. Eliminate all sources of ignition.

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*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

A: General Product Information

Follow all applicable exposure limits.

B: Component Exposure Limits

Calcium carbonate (1317-65-3)

ACGIH: 10 mg/m³ TWA (The value is for total dust containing no asbestos and <1% crystalline silica)

OSHA: total dust: 15 mg/m³ TWA; respirable fraction: 5 mg/m³ TWA

NIOSH: total: 10 mg/m³ TWA; respirable dust: 5 mg/m³ TWA

Engineering Controls

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Special care must be taken to avoid generation of dusts.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses; chemical goggles for fumes which may arise from thermal processing.

Personal Protective Equipment: Skin

Use impervious gloves.

Personal Protective Equipment: Respiratory

If ventilation is not sufficient to effectively remove and prevent buildup of dusts or processing fumes, appropriate NIOSH approved respirator must be provided.

Personal Protective Equipment: General

Use good industrial hygiene practices in handling this material.

*** Section 9 - Physical & Chemical Properties ***

Appearance:	Composite plastic structure	Odor:	None
Color:	Tan, White or Grey	pH:	Not available
Physical State:	Solid	Vapor Density:	Not available
Vapor Pressure:	Not available	Melting Point:	Not available
Boiling Point:	Not available	Specific Gravity:	Not available
Solubility (H₂O):	Not available	Flash Point:	Not available

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

Avoid open flame and excessive temperatures. Keep away from ignition sources and incompatible materials.

Incompatibility

This product may react with strong acids, strong bases, extreme heat, and oxidizing agents

Hazardous Decomposition

Irritating and toxic gases or fumes may be released during a fire. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Hazardous Polymerization

Hazardous polymerization will not occur.

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***** Section 11 - Toxicological Information *****

Acute Toxicity

A: General Product Information

No information available for the product. Processing of this product can include formation of dusts, particulates, or fumes which may be irritating to eyes, skin, and respiratory system.

B: Component Analysis - LD50/LC50

Calcium carbonate (1317-65-3)

Oral LD50 Rat : 6450 mg/kg (related to Carbonic acid, calcium salt (1:1))

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Polypropylene (9003-07-0)

IARC: Monograph 19, Supplement 7; 1987 (Group 3 (not classifiable))

Epidemiology

No information available for this product.

Neurotoxicity

No information available for this product.

Mutagenicity

No information available for the product.

Teratogenicity

No information available for the product.

***** Section 12 - Ecological Information *****

Ecotoxicity

A: General Product Information

No information available for product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Environmental Fate

No information available for the product.

***** Section 13 - Disposal Considerations *****

US EPA Waste Number & Descriptions

A: General Product Information

Waste should be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

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*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not regulated.

Hazard Class: None.

UN/NA #: None.

Packing Group: None.

Required Label(s): None.

Additional Info.: None.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

No additional information.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Calcium carbonate	1317-65-3	No	No	Yes	Yes	No	Yes

Other Regulations

A: General Product Information

No additional information.

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Calcium carbonate	1317-65-3	Yes	No	Yes
Polypropylene	9003-07-0	Yes	Yes	No

C: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

*** Section 16 - Other Information ***

Date of Previous MSDS: April 4, 2007

Changes Since Previous MSDS: Section 1 – Company address change.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act

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***** Disclaimer *****

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