

GenFlex Roofing Systems Material Safety Data Sheet

Material Name: GenFast™ NTB Fastener and GenFast™ NTB Insulation & Seam Plate

February 5, 2008

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

Product Use: Fastener

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)

General Comments

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 in the form of various plastic shapes, designs, and colors. Under normal conditions of use, this product is not expected to create any unusual health or emergency hazards. Cutting, sawing grinding or fabrication of this product may create dusts. Breathing dust from this product may cause a scratchy throat, congestion, and slight coughing. Getting dust on the skin or in the eyes may cause irritation.

Potential Health Effects: Eyes

Exposure to dusts can cause mild irritation. Irritation symptoms can include burning, tearing, redness, and swelling.

Potential Health Effects: Skin

Exposure to dusts may cause mild skin irritation. Symptoms may include dryness and redness of the skin.

Potential Health Effects: Ingestion

Ingestion of dusts is not expected to be a likely route of exposure. However, ingestion of large quantities of dust may cause obstruction of the gastrointestinal tract, nausea, and vomiting.

Potential Health Effects: Inhalation

Inhalation of dusts may irritate the respiratory tract. Symptoms may include sneezing, coughing, and difficulty breathing. Severe exposure may cause pneumoconiosis. Chronic inhalation of dusts may cause lung disease (e.g., emphysema, bronchitis, and fibrosis).

HMIS Ratings: Health: 1 Fire: 1 Reactivity: 0

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

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

CAS #	Component	Approx. Percent
65997-17-3	Fiberglass	<50

Component Related Regulatory Information

A component of this product may be regulated, have exposure limits or other information identified as the following: Glass filaments, Nuisance particulates.

Component Information/Information on Non-Hazardous Components

This product has been determined to be an "article", meeting the criteria established in 29 CFR1910.1200(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

In case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical advice.

First Aid: Skin

For skin contact, flush with large amounts of water. If irritation persists, get 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

Remove subject to fresh air. If irritation persists or if breathing is difficult get immediate medical attention.

First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically.

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

Flash Point: 788-806°F

Method Used: ASTM-D 1929-77

Upper Flammable Limit (UFL): Not available

Lower Flammable Limit (LFL): Not available

Auto Ignition: Not available

Flammability Classification: Non-combustible

Rate of Burning: Not available

General Fire Hazards

Dusts may form an explosive mixture with air.

Hazardous Combustion Products

Above 530°F/277°C heavy fuming, carbon monoxide, carbon dioxide and nitrogen oxides will occur. Above 660°F/349°C hydrogen cyanide will also occur.

Extinguishing Media

Water spray or any Class A extinguishing agent.

Fire Fighting Equipment/Instructions

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

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

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

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

Containment Procedures

Avoid generating dusty conditions. The use of a dust suppressant agent or water is recommended to control the creation of airborne dusts and thereby reduce the risk of a fire and/or explosion.

Clean-Up Procedures

Dispose of all material in accordance with local, state and federal regulations. (see Section 13)

Evacuation Procedures

Evacuation should not be necessary.

Special Procedures

No information available.

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

Handling Procedures

Avoid breathing dusts from this material. Use of high speed rotary cutting tools may create excessive dusts. Avoid dust inhalation through adequate ventilation and the use of respiratory protection.

Storage Procedures

Keep this material in a cool, well-ventilated place.

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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

Fiberglass (65997-17-3)

ACGIH: 1 f/cc TWA (for respirable fibers longer than 5 um with a diameter less than 3 um); 5 mg/m3 TWA (inhalable particulate); (Listed under "Synthetic vitreous fibers") (related to Continuous filament glass fibers)

10 mg/m3 TWA (inhalable particulate); 3 mg/m3 TWA (respirable particulate) (These values are for particulate matter containing no asbestos and <1% crystalline silica) (related to Particulates not otherwise classified (PNO))

OSHA: total dust: 15 mg/m3 TWA; respirable fraction: 5 mg/m3 TWA (related to Particulates not otherwise regulated)

NIOSH: see Appendix D (related to Particulates not otherwise regulated)

Engineering Controls

Use general ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear dust goggles.

Personal Protective Equipment: Skin

Not normally required. Work gloves can protect skin from contact with dusts, mechanical irritation or chapping.

Personal Protective Equipment: Respiratory

Respiratory protection not normally required. If airborne contaminant levels may exceed recommended exposure limits, NIOSH approved respiratory protection appropriate for employee exposure levels is recommended. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.1 requirements must be followed whenever workplace conditions warrant a respirator's use.

Personal Protective Equipment: General

Use good industrial hygiene practices in handling this material.

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

Appearance:	Black plastic fasteners	Odor:	Odorless
Physical State:	Solid	pH:	Not applicable
Vapor Pressure:	Not available	Vapor Density:	Not available
Boiling Point:	Not available	Melting Point:	490-510°F
Solubility (H2O):	Not available	Specific Gravity:	1.14
		Flash Point:	788-806° F

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

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Avoid generation of dusts.

Incompatibility

None identified.

Hazardous Decomposition

Above 530°F/277°C heavy fuming, carbon monoxide, carbon dioxide and nitrogen oxides will occur. Above 660°F/349°C hydrogen cyanide will also occur.

Hazardous Polymerization

Hazardous polymerization will not occur.

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

Acute Toxicity

A: General Product Information

This product is a mixture for which no toxicological data exists. A 1990 update of a mortality study of U.S. fiberglass manufacturing workers reported a small but statistically significant excess in respiratory cancer among the workers. This increase in respiratory cancer, however, could not be associated with exposure to fiber glass because no relationship was found between dose response or length of employment and the increase in cancer rates.

B: Component Analysis - LD50/LC50

None of this product's components present at greater than 0.1% have LD50/LC50 data. The components of this product as supplied present at trace levels are not expected to exhibit acute toxicity.

Carcinogenicity

A: General Product Information

No carcinogenicity data available for this product.

B: Component Carcinogenicity

Fiberglass (65997-17-3)

ACGIH: A4 - Not Classifiable as a Human Carcinogen (related to Continuous filament glass fibers)

IARC: Monograph 43, 1988 (related to Glass filaments) (Group 3 (not classifiable))

Chronic Toxicity

No information available.

Epidemiology

No data available for this product.

Neurotoxicity

No information available.

Mutagenicity

No information available.

Teratogenicity

No information available.

Other Toxicological Information

None available.

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

Ecotoxicity

No data available for this product.

Environmental Fate

No data available for this product.

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

US EPA Waste Number & Descriptions

A: General Product Information

Product, as shipped, is not a hazardous waste. No components are identified as hazardous wastes. 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: This product is not regulated by DOT.

Hazard Class: Not applicable

UN/NA #: Not applicable

Packing Group: Not applicable

Required Label(s): Not applicable

*** 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, or present in a quantity requiring reporting 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

No information available.

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
Fiberglass	65997-17-3	No	No	No	Yes	No	No

Other Regulations

A: General Product Information

None

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Fiberglass	65997-17-3	Yes	Yes	Yes

C: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

*** Section 16 - Other Information ***

Date of Previous MSDS: April 3, 2007

Changes Since Previous MSDS: Section 1 – Deleted a product from product name and 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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