

GenFlex Roofing Systems, LLC

Material Safety Data Sheet

May 27, 2010

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SECTION 1: PRODUCT IDENTIFICATION

Product Name:	GenFlex ½" HD ISO
Chemical Name / Synonym:	None
Chemical Family:	Polyisocyanurate
24-Hour Emergency Phone:	(800) 424-9300 CHEMTREC
Manufacturer's Name:	GenFlex Roofing Systems, LLC
Manufacturer's Address:	250 West 96 th St., Indianapolis, IN 46260
NFPA Hazard Rating:	Health 1, Flammability 1, Reactivity 0
HMS Hazard Rating:	Health 1, Flammability 1, Reactivity 0

SECTION 2: CHEMICAL COMPOSITION

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
n-Pentane	n-Pentane	109-66-0	0.3 - 0.6	TLV 600 ppm PEL 1000 ppm
Ethyldimethylmethane	Isopentane	78-78-4	0.4 - 0.7	TLV 600 ppm PEL 1000 ppm
Tris (monochloropropyl) Phosphate	None	13674-84-5	3 - 4	None Established
Fibrous Glass (Continuous Filament)	Fiberglass	65997-17-3	3 - 13	TLV 1 f/cc (Respirable) TLV 5 mg/m ³ (Inhalable)
Calcium Carbonate	Limestone	471-34-1	26 - 39	PEL 15 mg/m ³ (Total) PEL 5 mg/m ³ (Respirable)
Non-Hazardous	None	None	33 - 58	None Established

SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure:	Inhalation
Signs and Symptoms of Exposure:	May cause irritation to the eyes, skin and respiratory tract. Inhalation of high vapor concentrations of pentanes used in this product may cause dizziness, headaches, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.
Medical Conditions Aggravated by Exposure:	The dust produced by reprocessing of this product may aggravate pre-existing respiratory diseases.
Chronic Effects:	This product contains tris(monochloropropyl) phosphate, which may cause skin sensitization.
Carcinogenicity:	Direct implantation of glass fibers into the lung tissue of laboratory animals has produced lung fibrosis and lung cancer. Human epidemiological studies of inhalation exposure have yielded negative results. Continuous filament glass fibers is listed by IARC as a class 3, <i>unclassifiable as to carcinogenicity in humans</i> .

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SECTION 4: FIRST AID MEASURES

First Aid Procedures: For eyes, hold eyelids open and wash with gentle stream of water for at least 15 minutes preferably at eyewash fountain. For skin contact, wash affected area thoroughly with soap and water when time permits. For inhalation, remove to fresh uncontaminated air.

SECTION 5: FIRE FIGHTING PROCEDURES

Suitable Extinguishing Media: Water spray, alcohol foam, carbon dioxide, or dry chemical.

Hazardous Combustion Products: Carbon dioxide and carbon monoxide, phosphorus oxides, and phosphoric acid.

Recommended Fire Fighting Procedures: Wear impermeable protective clothing and self-contained breathing apparatus. Toxic fumes and vapors may be evolved.

Unusual Fire and Explosion Hazards: Emits dense, black smoke when burned. Certain operations such as grinding or cutting may lead to a buildup of dust suspended in air which can cause a dust explosion if ignited. Provide adequate ventilation and appropriate dust handling systems. Isopentane and n-pentane, highly flammable materials, may be present within this product.

SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled: None required

Precautions to Be Taken in Handling and Storing: Keep away from heat, sparks, and open flames. Store in a cool, dry area. Applying to hot surfaces requires special precautions. Protect against dust that may be generated by reprocessing, altering or applying this product. Remove dust by vacuuming rather than blowing.

SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Use in a well-ventilated location.

Respiratory Protection: During reprocessing, altering, and/or applying this product, a NIOSH-certified respirator may be required based upon the end user's airborne concentration evaluation.

Eye Protection: Wear safety glasses with side shields when reprocessing, altering and/or applying this product may be warranted to prevent irritating dust/fibers from entering the eyes.

Skin Protection: Cotton or leather gloves may be needed when handling this product based upon the employer's assessment of handling and risk to the hands, particularly drying of the skin and the mechanical irritating properties of fiberglass.

Other: None required.

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Work / Hygienic Practices: Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Wash contaminated clothing prior to reuse.

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	White rigid cellular sheets coated with white/cream-colored mat with no odor.		
Flash Point:	Not Applicable	Lower Explosive Limit:	None
Method Used:	Not Applicable	Upper Explosive Limit:	None
Evaporation Rate:	Not Applicable	Boiling Point:	None
pH (undiluted product):	Not Applicable	Melting Point:	Unknown
Solubility in Water:	Insoluble	Specific Gravity:	Unknown
Vapor Density:	Not Applicable	Percent Volatile:	Unknown
Vapor Pressure:	Not Applicable		

SECTION 9: STABILITY AND REACTIVITY

Thermal Stability:	Stable
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None known.

SECTION 10: TRANSPORTATION

Regulatory Agency:	Not Regulated
Proper Shipping Name:	Not Applicable
Hazard Classification:	Not Applicable
Identification Number:	Not Applicable
Labels Required:	Not Applicable
Other Requirements:	Not Applicable

SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments:	Physiological effects given in Section 3 are for dust and fume that may be generated during the reprocessing, altering or application of this product.
Date of Previous MSDS:	Not applicable. New product.
Changes Since Previous MSDS:	Not applicable.
Telephone Number for Additional Information:	(317) 575-7190

DISCLAIMER

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