

GenFlex Roofing Systems Material Safety Data Sheet

November 23, 2010

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SECTION 1: PRODUCT IDENTIFICATION

Product Name:	Cleaner
Chemical Name / Synonym:	None
Chemical Family:	Primer
24-Hour Emergency Phone:	(800) 424-9300 CHEMTREC
Manufacturer's Name:	GenFlex Roofing Systems, LLC
Manufacturer's Address:	250 West 96 th Street, Indianapolis, IN 46260
NFPA Hazard Rating:	Health 1, Flammability 3, Reactivity 0
HMS Hazard Rating:	Health 1, Flammability 3, Reactivity 0

SECTION 2: CHEMICAL COMPOSITION

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Aliphatic Petroleum Distillates	Naphtha	64742-89-8	40-60	None Established
Toluol	Toluene	108-88-3	25-45	PEL 200 ppm OSHA Ceiling 300 ppm TLV 20 ppm
Carbon Black	Carbon Black	1333-86-4	1-20	PEL 3.5 mg/m ³ TLV 3.5 mg/m ³

SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure:	Skin Absorption, Inhalation
Signs and Symptoms of Exposure:	Eye contact may cause severe eye irritation, redness, tearing and blurred vision. Prolonged or repeated skin contact may cause irritation, dermatitis and drying of the skin. Absorption through intact skin may contribute to an individual's overall exposure. Inhalation may cause respiratory system irritation and central nervous system depression (narcosis) characterized by headache, dizziness, muscular weakness and fatigue. May cause unconsciousness if exposure is excessive. Intentional misuse by deliberately concentrating and inhaling vapor may be harmful or fatal. Inhalation of Toluene vapors above 200 ppm may result in impairment of coordination, increased reaction time and a bad taste in the mouth. LC ₅₀ Toluene: 8,000 ppm/4hr, rat; LC ₅₀ Aliphatic Petroleum Distillate: 3,400 ppm/4hr, rat; LD ₅₀ Toluene: 5 g/kg, rat; LD ₅₀ Aliphatic Petroleum Distillate: >8 g/kg, rat.
Medical Conditions Aggravated by Exposure:	Pre-existing eye, skin, and pulmonary disorders may be aggravated by exposure to this product.
Chronic Effects:	May cause kidney and spleen damage. May cause brain cell and neuromuscular damage based upon animal studies. Prolonged and repeated contact with the skin can cause moderate irritation, defatting and dermatitis.
Carcinogenicity:	IARC classifies petroleum distillates as class 3, <i>unclassifiable as to carcinogenicity in humans</i> . IARC classifies carbon black as class 2B, <i>possibly carcinogenic to humans</i> . However, carbon black is not expected to be released, and therefore airborne during use of this product.

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SECTION 4: FIRST AID MEASURES

First Aid Procedures: If this material contacts the eyes, hold eyelids open and flush immediately with a gentle stream of water for at least 15 minutes, preferably at an eyewash fountain. Get medical attention. In case of skin contact, wash affected area with soap and water. In case of inhalation, remove to fresh uncontaminated air. Administer oxygen if breathing is labored. Give artificial respiration if breathing has stopped. Get medical attention immediately if oxygen or artificial respiration is administered. In case of accidental ingestion, do not induce vomiting. Get medical attention and advise the physician of the nature of the material.

SECTION 5: FIRE FIGHTING PROCEDURES

Suitable Extinguishing Media: Carbon dioxide, dry chemical, or foam. Do not use a direct stream of water. Product will float and can be reignited on the surface of the water at a distance from the handling point.

Hazardous Combustion Products: Carbon dioxide and carbon monoxide, oxides of nitrogen, hydrogen chloride, various hydrocarbons, phenols, acrid smoke and irritating fumes.

Recommended Fire Fighting Procedures: Wear impermeable protective clothing and self-contained breathing apparatus. Toxic fumes and vapors may be evolved. If a leak or spill has ignited, a water spray may be used to disperse the vapors and to protect the firefighters attempting to stop the leak.

Unusual Fire and Explosion Hazards: Heat builds up pressure in closed containers. Cool with water spray.

SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled: Remove ignition sources. Absorb on inert material. Use non-sparking tools. Place in secure containers for disposal.

Precautions to Be Taken in Handling and Storing: Keep away from heat, sparks, and open flames. Keep containers closed. Vapors of this material are heavier than air and will collect in low or confined areas. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations near containers. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground all transfer containers and equipment.

SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Use in a well-ventilated location.

Respiratory Protection: If personal exposure concentrations cannot be maintained below the appropriate exposure limits using engineering controls, a NIOSH approved organic vapor air purifying respirator may be appropriate based on employer-determined exposure levels. Air supplied or SCBA respirators may be required when the measured chemical concentration exceeds the capacity of the air-purifying respirator or when personal exposure levels are unknown.

Eye Protection: The use of safety glasses with side shields or chemical splash goggles when using this product may be warranted.

Skin Protection: The use of nitrile or polyvinyl alcohol gloves for direct handling may be warranted.

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Other:	Not required.
Work / Hygienic Practices:	Wash exposed skin prior to eating, drinking and smoking and at the end of each work shift. Wash contaminated clothing prior to reuse.

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Translucent gray to black liquid with characteristic solvent odor.		
Flash Point:	18°F	Lower Explosive Limit:	1.2%
Method Used:	Estimate based upon the flash point of the most volatile component.	Upper Explosive Limit:	Undetermined
Evaporation Rate:	3.5 (Ether=1)	Boiling Point:	185°F
pH (undiluted product):	Unknown	Melting Point:	Not Applicable
Solubility in Water:	Insoluble	Specific Gravity:	0.82 (Water=1)
Vapor Density:	3.6 (Air=1)	Percent Volatile:	85%
Vapor Pressure:	38 mm Hg @ 20°C		

SECTION 9: STABILITY AND REACTIVITY

Thermal Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Avoid flames, sparks or other sources of ignition. Incompatible with strong oxidizing agents.

SECTION 10: TRANSPORTATION

Regulatory Agency:	Department of Transportation
Proper Shipping Name:	Adhesive, <i>containing a flammable liquid</i>
Hazard Classification:	Class 3
Identification Number:	UN 1133
Packing Group:	II
Labels Required:	Flammable
Other Requirements:	Unknown

SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments:	None
Date of Previous MSDS:	February 5, 2008
Changes Since Previous MSDS:	Formatting.
Telephone Number for Additional Information:	(317) 575-7190

DISCLAIMER

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