GenFlex Roofing Systems
Material Safety Data Sheet

SECTION 1: PRODUCT IDENTIFICATION

Product Name:	Vapor Shield Solvent Based Primer
Chemical Name / Synonym:	Solvent Based Primer
Chemical Family:	Mixture
24-Hour Emergency Phone:	(800) 424-9300 CHEMTREC
Manufacturer's Name:	Firestone Building Products Company, LLC
Manufacturer's Address:	250 West 96th Street, Indianapolis, IN 46260
NFPA Hazard Rating:	Health 1, Flammability 3, Reactivity 0
HMIS Hazard Rating:	Health 1, Flammability 3, Reactivity 0

SECTION 2: CHEMICAL COMPOSITION

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Naphtha (may contain n-Hexane & n-Heptane)	Naphtha	64742	30-60	None Established
n-Hexane	Hexane	110-54-3	(included in naphtha)	PEL 500 ppm TLV 50 ppm (skin)
n-Heptane	Heptane	142-82-5	(included in naphtha)	PEL 500 ppm TLV 400 ppm ACGIH STEL 500 ppm
Dimethyl Ketone	Acetone	67-64-1	15-40	PEL 1000 ppm TLV 500 ppm ACGIH STEL 750 ppm
Nonhazardous as per 29 CFR 1910.1200.	None	None	<55	None Established

SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure:	Inhalation, skin absorption
Signs and Symptoms of Exposure:	Eye contact may cause moderate 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. Acetone LD50 (oral, rat) >5000 mg/kg Acetone LC50 (inhalation, rat) 50 mg/l/4 hr

	Hexane LD50 (skin) >2000 mg/kg
	Hexane LC50 (inhalation, rat) >20 mg/l/4 hr
	Heptane LD50 (skin) >2000 mg/kg
	Heptane LC50 (inhalation, rat) >50 mg/l/4 hr
Medical Conditions Aggravated by Exposure:	Exposure to this product may aggravate pre-existing skin and respiratory diseases. Individuals with neurological diseases should avoid exposure to Hexane.
Chronic Effects:	May affect the nervous system.
Carcinogenicity:	None

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:	Foam, carbon dioxide, dry chemical, and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this product. Water may be ineffective, but should be used to keep fire-exposed containers cool. If a leak or spill has ignited, use water to disperse the vapors and to protect men attempting to stop a leak. Water spray may be used to flush spills away from exposures.
Hazardous Combustion Products:	Possible decomposition products that may occur during a fire include oxides of carbon and nitrogen, aldehydes, ketone, acrolein, halogenated compounds, methanol, formaldehyde, acetic acid, hydrogen peroxide, methane, and ethylene oxide.
Recommended Fire Fighting Procedures:	Wear impermeable protective clothing and self-contained breathing apparatus. Toxic fumes and vapors may be evolved. Minimize the breathing of gases, vapors, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.
Unusual Fire and Explosion Hazards:	This product is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:	Shut off and eliminate all ignition sources. Keep people away. Absorb free product onto sand, earth or other suitable absorbent material. Dispose of material in accordance to local governmental regulations. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product clear of sewers, water, or extensive land areas. Continue to observe precautions for volatile, flammable vapors from absorbed material.
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 with ventilation sufficient to prevent exceeding recommended exposure limits or build up of explosive concentrations of vapor in air.
Respiratory Protection:	If personal exposure concentrations cannot be maintained below the appropriate exposure limits using engineering controls, a NIOSH approved respirator may be appropriate based on employer-determined exposure levels.
Eye Protection:	The use of safety glasses with side shields when pouring or applying this product may be warranted.
Skin Protection:	The use of polyvinyl alcohol, nitrile rubber, or neoprene gloves when handling this product to avoid prolonged skin contact may be warranted.
Other:	Not required.
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:	Red liquid with strong solvent odor.		
Flash Point:	-24° F	Lower Explosive Limit:	Unknown
Method Used:	ASTM D93	Upper Explosive Limit:	Unknown
Evaporation Rate:	Unknown (Ether=1)	Boiling Point:	Unknown
pH (undiluted product):	Unknown	Melting Point:	Not Applicable
Solubility in Water:	Insoluble	Specific Gravity:	0.77 (Water=1)
Vapor Density:	>1 (Air=1)	Percent Volatile:	Unknown
Vapor Pressure:	Unknown		

SECTION 9: STABILITY AND REACTIVITY

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

SECTION 10: TRANSPORTATION

Regulatory Agency:	DOT
Proper Shipping Name:	Adhesives, *containing a flammable solvent*
Hazard Classification:	3
Identification Number:	UN1133
Packing Group:	II
Labels Required:	Flammable

SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments:	None
Date of Previous MSDS:	Not applicable. New product.
Changes Since Previous MSDS:	Not applicable
Telephone Number for Additional Information:	(317) 575-7190

DISCLAIMER