

# GenFlex Roofing Systems, LLC

## Material Safety Data Sheet

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### SECTION 1: PRODUCT IDENTIFICATION

Product Name:	EPDM Edge Caulk LVOC
Chemical Name / Synonym:	Adhesive
Chemical Family:	Mixture
24-Hour Emergency Phone:	(800) 424-9300 CHEMTREC
Manufacturer's Name:	Firestone Building Products Company, LLC
Manufacturer's Address:	250 West 96 <sup>th</sup> Street, Indianapolis, IN 46260
NFPA Hazard Rating:	Health 2, Flammability 3, Reactivity 0
HMS Hazard Rating:	Health 2, Flammability 3, Reactivity 0

### SECTION 2: CHEMICAL COMPOSITION

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Light Aliphatic Solvent Naphtha	VM&P Naphtha	64742-49-0	10-20	None Established
Carbon Black	Carbon Black	1333-86-4	<2	PEL 3.5 mg/m <sup>3</sup> TLV (Inhalable) 3 mg/m <sup>3</sup>
Quartz	Crystalline Silica	14808-60-7	<1	PEL (Respirable) 10 mg/m <sup>3</sup> (% SiO <sub>2</sub> + 2) PEL (Total) 30 mg/m <sup>3</sup> (% SiO <sub>2</sub> + 2) TLV (Respirable) 0.025 mg/m <sup>3</sup>
Nonhazardous as per 29 CFR 1910.1200.	None	EPA TSCA Registered Constituents	>77	None Established

### SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure:	Inhalation and skin contact.
Signs and Symptoms of Exposure:	May cause irritation and redness to skin upon contact. Inhalation of elevated concentrations of vapors may cause irritation to the respiratory tract. Eye contact can cause severe irritation, redness, tearing and blurred vision. Intentional misuse by deliberately concentrating and inhaling vapor may be harmful or fatal.
Medical Conditions Aggravated by Exposure:	Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.
Chronic Effects:	Repeated or prolonged skin contact may result in defatting of skin and dermatitis.  Prolonged and repeated exposure to crystalline silica-containing dust can result in injury to the lungs. This condition is known as silicosis. Silicosis is characterized by shortness of breath, decreased expansion of the chest, dry cough, leading to fatigue, dyspnea, and cyanosis, loss of appetite, pleuritic pain and decreased work capacity. The crystalline silica in this product is not expected to be released under normal use.

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Carcinogenicity:	Crystalline silica is listed by IARC as a class 1, <i>carcinogenic to humans</i> , listed by NTP as a <i>known to be a human carcinogen</i> , and listed by NIOSH as a carcinogen. The crystalline silica in this product is not expected to be released under normal use.  Carbon black is listed by IARC as a class 2B, <i>possibly carcinogenic to humans</i> . The carbon black in this product is not expected to be released under normal use.
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### SECTION 4: FIRST AID MEASURES

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First Aid Procedures:	For eyes, flush with large amounts of water, lifting upper and lower lids occasionally, get medical attention. For skin contact, wash affected area thoroughly with soap and water. Get medical attention if irritation persists. For inhalation, remove to fresh uncontaminated air. In case of accidental ingestion, do not induce vomiting. Get medical attention and advise the physician of the nature of the material.
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### SECTION 5: FIRE FIGHTING PROCEDURES

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Suitable Extinguishing Media:	Foam, water spray, (fog), 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.
Hazardous Combustion Products:	Thermal decomposition products may include hydrocarbons, oxides of carbon, oxides of nitrogen, and aldehydes.
Recommended Fire Fighting Procedures:	Wear impermeable protective clothing and self-contained breathing apparatus.
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.

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### SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

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Steps to Be Taken in Case Material is Released or Spilled:	Shut off and eliminate all ignition sources. Keep people away. Recover free product by adding sand, earth or other suitable absorbent to spill area, and using non-sparking tools, shovel or sweep up and place in suitable container. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product clear of sewers, water, or extensive land areas. Assure conformity with applicable government regulations. 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. 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

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equipment.

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### SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

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Ventilation:	Use in a well ventilated area.
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 or chemical splash goggles when pouring, mixing or applying this material may be warranted.
Skin Protection:	The use of chemical resistant gloves when pouring, mixing or applying this material may be warranted.
Other:	Impervious clothing and boots if appropriate.
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.

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### SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

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Appearance and Odor:	Black paste with aliphatic solvent odor.		
Flash Point:	50° F	Lower Explosive Limit:	0.9
Method Used:	TCC	Upper Explosive Limit:	6.7
Evaporation Rate:	9.2	Boiling Point:	240° F
pH (undiluted product):	Unknown	Melting Point:	Not Applicable
Solubility in Water:	<0.5%	Specific Gravity:	1.39
Vapor Density:	3.8	Percent Volatile:	20 (max)
Vapor Pressure:	45 mm Hg @ 78° F		

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### SECTION 9: STABILITY AND REACTIVITY

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Thermal Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Keep from flames, sparks and other forms of ignition; and avoid strong oxidizing agents.

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### SECTION 10: TRANSPORTATION

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Regulatory Agency:	U.S.A.. DOT
Proper Shipping Name:	Adhesive, <i>containing flammable liquid</i>
Hazard Classification:	3
Identification Number:	UN1133
Packing Group:	II
Labels Required:	Flammable Liquid
Other Requirements:	None

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### SECTION 11: MISCELLANEOUS INFORMATION

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Additional Comments:	The crystalline silica and carbon black in this product are bound in a matrix and not expected to be released under normal use.
Date of Previous MSDS:	April 14, 2009
Changes Since Previous MSDS:	TLV update in section 2; company information in section 1.
Telephone Number for Additional Information:	(317) 575-7190

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### DISCLAIMER

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