

Firestone Specialty Products Company

Material Safety Data Sheet

September 4, 2009

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SECTION 1: PRODUCT IDENTIFICATION

Product Name: EPDM Repair Kit
 Chemical Name / Synonym: QuickSeam Repair Kit, QuickSeam Professional Tape Kit
 Chemical Family: None
 24-Hour Emergency Phone: (800) 424-9300 CHEMTREC
 Manufacturer's Name: Firestone Specialty Products Company
 Manufacturer's Address: 250 West 96th Street, Indianapolis, IN 46260
 NFPA Hazard Rating: Health 2, Flammability 3, Reactivity 1
 HMIS Hazard Rating: Health 2, Flammability 3, Reactivity 1

While this MSDS applies to kit contents QuickSeam Batten Cover (510) and QuickPrime Plus LVOC, QuickPrime Plus LVOC is the only content classified under OSHA 29 CFR 1910.1200 as hazardous. For this reason, the contents of this MSDS apply only to the QuickPrime Plus LVOC. All other contents are non-hazardous.

SECTION 2: CHEMICAL COMPOSITION

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Benzene, 1 Chloro-4-(Trifluoromethyl)	PCBTF	98-56-6	72	None
Toluene	Toluol	108-88-3	19	PEL 200 ppm OSHA Ceiling 300 ppm TLV 20 ppm
Nonhazardous as per 29 CFR 1910.1200.	None	None	9	None Established

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. Inhalation of toluene vapors above 200 ppm may result in impairment of coordination, increased reaction time and a bad taste in the mouth. May cause unconsciousness if exposure is excessive. Benzene, 1 Chloro-4-(Trifluoromethyl) LC₅₀: 4,479 ppm, rat; Toluene LC₅₀: 8,000 ppm/4hr, rat; Benzene, 1 Chloro-4-(Trifluoromethyl) LD₅₀: >6.8 g/kg, rat; Toluene LD₅₀: 5 g/kg, rat.

Medical Conditions Aggravated by Exposure: Exposure to this product may aggravate pre-existing skin and respiratory diseases.
 Toluene exposures have caused birth defects in laboratory animals when exposures were at concentrations that harmed the pregnant animal. The relevance of these findings to humans is uncertain.

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Chronic Effects:	May cause kidney, liver, spleen and central nervous system damage.
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, clean with rubbing alcohol first, followed immediately by washing 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.
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SECTION 5: FIRE FIGHTING PROCEDURES

Suitable Extinguishing Media:	Foam, water spray, (fog), carbon dioxide, and dry chemical, may all be suitable for extinguishing fires involving this product. Use water to cool containers but avoid getting water into containers.
Hazardous Combustion Products:	Carbon dioxide, carbon monoxide, fluorine gas, chlorine gas, acrid smoke and irritating fumes.
Recommended Fire Fighting Procedures:	Wear impermeable protective clothing and self-contained breathing apparatus. Toxic fumes or vapors may be produced. Shut down motors and pumps to prevent spreading of fire.
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. Over-heated drums will explode. High vapor concentrations have an anesthetic effect.

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. Recover free product. Add sand, earth or other suitable absorbent to spill area. 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.
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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.
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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 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:	Safety glasses with side shields and/or face shields are recommended when pouring or applying this product.
Skin Protection:	Wear PVC, nitrile rubber, or vitron gloves when handling this product to avoid prolonged skin contact.
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:	Black liquid, naphthalenic odor		
Flash Point:	4°C	Lower Explosive Limit:	1.2%
Method Used:	Closed Cup	Upper Explosive Limit:	7%
Evaporation Rate:	Unknown	Boiling Point:	110° C
pH (undiluted product):	Unknown	Melting Point:	Not Applicable
Solubility in Water:	Insoluble	Specific Gravity:	1.18(Water=1)
Vapor Density:	>1 (Air=1)	Percent Volatile:	91%
Vapor Pressure:	22 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 acids, alkalis and strong oxidizing agents. Avoid contact with sodium dimethylsulfinate.

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SECTION 10: TRANSPORTATION

Regulatory Agency:	U.S.A., DOT, IMO
Proper Shipping Name:	Adhesives Containing a Flammable Liquid
Hazard Classification:	3
Identification Number:	UN1133
Packing Group:	II
Labels Required:	Flammable Liquid
Other Requirements:	None Known

SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments:	Be sure to reference note in section 1 regarding MSDS content
Date of Previous MSDS:	February 9, 2009
Changes Since Previous MSDS:	Chemical name/synonym in section 1.
Telephone Number for Additional Information:	(317) 575-7190

DISCLAIMER

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