

Firestone Building Products Company

Material Safety Data Sheet

April 14, 2009

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SECTION 1: PRODUCT IDENTIFICATION

Product Name: UltraPly TPO General Purpose Sealant
 Chemical Name / Synonym: EPDM Adhesive
 Chemical Family: Mixture
 24-Hour Emergency Phone: (800) 424-9300 CHEMTREC
 Manufacturer's Name: Firestone Building Products Company
 Manufacturer's Address: 250 West 96th Street, Indianapolis, IN 46260
 NFPA Hazard Rating: Health 2, 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:
Aliphatic Petroleum Distillates	Naphtha	64742-89-8	<20	None Established
Silica, Crystalline, Quartz	Rose Quartz, Sand	14808-60-7	<1	PEL _(Respirable) <u>10 mg/m³</u> (% SiO ₂ + 2) PEL _(Total) <u>30 mg/m³</u> (% SiO ₂ + 2) TLV _(Respirable) 0.025 mg/m ³
Nonhazardous as per 29 CFR 1910.1200.	None	-	>80	None Established

SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure: Inhalation, skin

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. 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. Aliphatic Petroleum Distillate LC₅₀: 3,400 ppm/4hr, rat; Aliphatic Petroleum Distillate LD₅₀: >8 g/kg, rat.

Medical Conditions Aggravated by Exposure: Pre-existing lung, skin, eye or nervous system disorders may be aggravated by exposure to this material.

Chronic Effects: May cause kidney and liver damage. May cause brain cell and neuromuscular damage based upon animal studies. 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.

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Carcinogenicity:	This material contains a small amount of crystalline silica. Some researchers have reported evidence that it may be carcinogenic in humans following prolonged and repeated inhalation. 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.
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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, 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:	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.
Hazardous Combustion Products:	Carbon dioxide, carbon monoxide, oxides of nitrogen, aldehydes, 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.
Unusual Fire and Explosion Hazards:	Heat builds up pressure in closed containers. Cool with water stream.

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.

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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 respirator may be appropriate based on employer-determined exposure levels.
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.
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:	White paste with characteristic aliphatic solvent odor.		
Flash Point:	52°F	Lower Explosive Limit:	0.5%
Method Used:	TCC	Upper Explosive Limit:	6.0%
Evaporation Rate:	9.2 (Ethyl Ether=1)	Boiling Point:	268°F
pH (undiluted product):	Unknown	Melting Point:	Not Applicable
Solubility in Water:	<0.5%	Specific Gravity:	1.43 (Water=1)
Vapor Density:	2 (Air=1)	Percent Volatile:	20% Maximum
Vapor Pressure:	45 mm Hg @ 78°F		

SECTION 9: STABILITY AND REACTIVITY

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

SECTION 10: TRANSPORTATION

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

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SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments:	Exposure to respirable crystalline quartz is not likely with this product under normal conditions.
Date of Previous MSDS:	August 12, 2008
Changes Since Previous MSDS:	Company name change; TLV update in section 2
Telephone Number for Additional Information:	(317) 575-7190

DISCLAIMER

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