Firestone Building Products Company
Material Safety Data Sheet

SECTION 1: PRODUCT IDENTIFICATION

Product Name:	EcoWhite™ EPDM Lap Sealant
Chemical Name / Synonym:	None
Chemical Family:	Adhesive
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 1
HMIS Hazard Rating:	Health 2, Flammability 3, Reactivity 1

SECTION 2: CHEMICAL COMPOSITION

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Calcium Carbonate	Limestone	1317-65-3	30-60	PEL $_{(Respirable)}$ 5 mg/m^3 PEL $_{(Total)}$ 15 mg/m^3
Calcium Oxide	None	1305-78-8	20-40	PEL 5 mg/m^3 TLV 2 mg/m^3
Aliphatic Petroleum Distillates	Naphtha	64742-89-8	<15	None Established
Hydrotreated Light Distillates	Naphtha	64742-47-8	<7	None Established
Hydrotreated Heavy Naphthenic Distillates	Naphtha	64742-52-5	<5	None Established
Bentonite	None	1302-78-9	<5	None Established
Titanium Dioxide	None	13463-67-7	<5	PEL 15 mg/m^3 TLV 10 mg/m^3
Non-Hazardous	None	All Registered	<13	Not Applicable

SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure:	Skin, Inhalation, eye contact
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 LC_{50}: 3,400 ppm/4hr, Rat; Aliphatic Petroleum Distillate LD_{50}: >8 g/kg, Rat.
Medical Conditions Aggravated by Exposure:	Pre-existing lung, skin 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.
Carcinogenicity:	Titanium dioxide is classified by IARC as a 2B carcinogen, *possibly carcinogenic to humans*, and by NIOSH as a carcinogen.

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 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 are 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, alcohol foam or water fog. 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 and carbon monoxide, 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:	Vapors are heavier than air and may travel along the ground and be ignited by ignition sources distant from the handling point. Residue in “empty” containers may be explosive if exposed to an ignition source.

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.

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 petroleum naphtha odor.		
Flash Point:	65°F	Lower Explosive Limit:	0.9%
Method Used:	Unknown	Upper Explosive Limit:	6.7%
Evaporation Rate:	<1 (n-Butyl Acetate=1)	Boiling Point:	268°F
pH (undiluted product):	Unknown	Melting Point:	Not Applicable
Solubility in Water:	Negligible	Specific Gravity:	1.42 (Water=1)
Vapor Density:	3 (Air=1)	Percent Volatile:	<20
Vapor Pressure:	20 mm Hg @ 68°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. Incompatible with strong oxidizing agents.

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
Other Requirements:	None known

SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments:	Due to the paste form of this material, it is unlikely that the solids of this material will be released while using under normal conditions. Therefore, the hazards as noted in section 2 describe those of the solvent.
Date of Previous MSDS:	April 14, 2009
Changes Since Previous MSDS:	Section 1 – NFPA & HMIS, Section 2 – Chemical composition, Section 3 – Primary routes of exposure, Section 8 – Physical & Chemical Properties, Section 10 – Packing Group.
Telephone Number for Additional Information:	(317) 575-7190

DISCLAIMER

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