

Firestone Building Products Material Safety Data Sheet

November 2, 2010

Page: 1

SECTION 1: PRODUCT IDENTIFICATION

Product Name:	AP Sealant
Chemical Name / Synonym:	Sealant
Chemical Family:	Mixture
24-Hour Emergency Phone:	(800) 424-9300 CHEMTREC
Manufacturer's Name:	Firestone Building Products Company
Manufacturer's Address:	250 West 96 th Street, Indianapolis, IN 46260
NFPA Hazard Rating:	Health 2, Flammability 2, Reactivity 0
HMIS Hazard Rating:	Health 2, Flammability 2, Reactivity 0

SECTION 2: CHEMICAL COMPOSITION

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Calcium Carbonate	Limestone	1317-65-3	<30	PEL 15 mg/m ³ (Total) PEL 5 mg/m ³ (Respirable)
Stoddard Solvent	White Spirits	8052-41-3	<10	TLV 100 ppm PEL 500 ppm
Calcium Oxide	Lime	1305-78-8	<5	TLV 2 mg/m ³ PEL 5 mg/m ³
Titanium Dioxide	None	13463-67-7	<7	TLV 10 mg/m ³ PEL 15 mg/m ³
Talc	Talcum	14807-96-6	<5	TLV 2 mg/m ³ (Respirable) PEL 20 mppcf
Toluene-2,4-diisocyanate	TDI	584-84-9	≤1	TLV 0.005 ppm TLV-STEL 0.02 ppm PEL-C 0.02 ppm
Silica, Crystalline, Quartz	Rose Quartz, Sand	14808-60-7	≤1	PEL (Respirable) 10 mg/m ³ (% SiO ₂ + 2) PEL (Total) 30 mg/m ³ (% SiO ₂ + 2) TLV (Respirable) 0.025 mg/m ³
Nonhazardous as per 29 CFR 1910.1200.	None	None	>41	None Established

SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure:	Inhalation and skin
Signs and Symptoms of Exposure:	Eye contact may cause eye irritation. Prolonged or repeated skin contact may cause irritation or sensitization. Inhalation of vapors associated with the solvent portion of this product may cause respiratory system irritation

Firestone Building Products Material Safety Data Sheet

November 2, 2010

Page: 2

<p>Medical Conditions Aggravated by Exposure:</p> <p>Chronic Effects:</p> <p>Carcinogenicity:</p>	<p>and central nervous system depression (narcosis) characterized by headache, dizziness, muscular weakness and fatigue. This product may contain a small amount (<0.1%) of a respiratory sensitizer. Also, prolonged repeated exposure can lead to skin sensitization. For persons so sensitized, even brief exposures can produce reddening, swelling, rash, or blisters of the skin, or produce chemical asthma. Although ingestion is an unlikely route of exposure, doing so may cause irritation to the mouth, throat and stomach.</p> <p>Pre-existing respiratory or skin disorders may be aggravated by exposure to this material. Those with asthma or allergies to isocyanates should consult with their physician prior to use/exposure.</p> <p>Repeated, prolonged occupational over-exposure to the solvent portion of this product may cause kidney, liver, and central nervous system damage. This product contains a small percentage (<1%) of crystalline silica. 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 and dry cough, leading to fatigue, dyspnea, cyanosis, loss of appetite, pleuritic pain and decreased work capacity. This product contains a small percent ($\leq 1\%$) of TDI, which is a respiratory sensitizer. It may cause allergic reaction leading to asthmatic-like response.</p> <p>Crystalline silica is classified by IARC as group 1, <i>carcinogenic to humans</i>, and by NTP as <i>known to be a human carcinogen</i>. Titanium dioxide is classified by IARC as a group 2B, <i>possibly carcinogenic to humans</i>. TDI is classified by IARC as a group 2B, <i>possibly carcinogenic to humans</i> and by NTP as <i>reasonably anticipated to be a human carcinogen</i>.</p>
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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 affected area immediately 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, alcohol foam or water fog.
Hazardous Combustion Products:	Carbon dioxide, carbon monoxide, and 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:	Do not use a direct stream of water. Direct stream of water into hot burning material will cause splattering. Heat (from fire) builds up

Firestone Building Products Material Safety Data Sheet

November 2, 2010

Page: 3

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. Use in a well-ventilated location. Do not cut, drill, grind, weld or perform similar operations on or 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:	Safety glasses with side shields or chemical splash goggles may be warranted if eye contact is likely when using this product.
Skin Protection:	Nitrile or polyvinyl alcohol gloves may be warranted for direct handling.
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. Avoid breathing vapors from heated material.

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Grey paste with paint thinner odor.		
Flash Point:	130° F	Lower Explosive Limit:	1.0%
Method Used:	ASTM D3278	Upper Explosive Limit:	7.0%
Evaporation Rate:	Slower than butyl acetate	Boiling Point:	300 - 365° F
pH:	Not Determined	Melting Point:	Not Applicable
Solubility in Water:	Slight (<0.1%)	Specific Gravity:	1.4
Vapor Density:	Heavier than air	Volatile Organic Compounds:	Unknown
Vapor Pressure:	Not Determined		

SECTION 9: STABILITY AND REACTIVITY

Thermal Stability:	Stable under normal storage conditions.
Hazardous Polymerization:	Will not occur under normal conditions.
Conditions to Avoid:	Avoid long-term exposure to elevated temperatures. Incompatible with alcohols and water.

Firestone Building Products Material Safety Data Sheet

November 2, 2010

Page: 4

SECTION 10: TRANSPORTATION

Regulatory Agency:	DOT
Proper Shipping Name:	Combustible liquid, n.o.s.
Hazard Classification:	Combustible liquid
Identification Number:	NA1993
Packing Group:	III
Labels Required:	None
Other Requirements:	None

Regulatory Agency:	IATA/ICAO
Proper Shipping Name:	Flammable liquid
Hazard Classification:	3
Identification Number:	UN1993
Packing Group:	III

SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments:	The solids of this product, listed in Section 2, are not expected to be released.
Date of Previous MSDS:	January 12, 2009
Changes Since Previous MSDS:	Hazard ratings in section 1; chemical composition in section 2; additional health hazard information in section 3; flash point and boiling point in section 8; transportation in section 10.
Telephone Number for Additional Information:	(317) 575-7190

DISCLAIMER

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