

INTERNATIONAL DIAMOND SYSTEMS

Material Safety Data Sheet

September 28, 2009

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SECTION 1: PRODUCT IDENTIFICATION

Product Name: Water-Based Bonding Adhesive
Chemical Name / Synonym: Proprietary Emulsion
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 0, Flammability 1, Reactivity 0
HMIS Hazard Rating: Health 1, Flammability 1, Reactivity 0

SECTION 2: CHEMICAL COMPOSITION

<u>Chemical Name:</u>	<u>Common Name:</u>	<u>CAS#:</u>	<u>% (by wt)</u>	<u>Exposure Limits:</u>
Antimony Pentoxide	Stibic Anhydride	1314-60-9	1.6	PEL 0.5 mg/m ³ (as Sb) TLV 0.5 mg/m ³ (as Sb)
Mineral Spirits	Stoddard Solvent	8052-41-3	7	PEL 500 ppm TLV 100 ppm
Nonhazardous as per 29 CFR 1910.1200.	None	EPA TSCA Registered	>91.4	None Established

SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure: Inhalation and ingestion
Signs and Symptoms of Exposure: No health hazards have been identified for this product. Antimony compounds may cause local irritation to the skin and mucous membranes. Antimony Pentoxide may be toxic through an intraperitoneal route into the body. Antimony Pentoxide (intraperitoneal) LD50 = 4 mg/kg, rats.
Medical Conditions Aggravated by Exposure: None known.
Chronic Effects: No known adverse effects.
Carcinogenicity: None.

First Aid Procedures:

SECTION 4: FIRST AID MEASURES

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. 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.

SECTION 5: FIRE FIGHTING PROCEDURES

Suitable Extinguishing Media: For the dried product, water spray, alcohol foam, or carbon dioxide.
Hazardous Combustion Products: Thermal decomposition products may include hydrocarbons, oxides of carbon, nitrogen and sulfur, acid gases (HCl and HBr).

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Recommended Fire Fighting Procedures:

Wear impermeable protective clothing and self-contained breathing apparatus.

Unusual Fire and Explosion Hazards:

None

SECTION 6: PRECAUTIONS i=OR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:

Absorb liquid on inert material. Transfer to secured container for proper disposal.

Precautions to Be Taken in Handling and Storing:

Store between 45°F and 60°F. Keep containers tightly sealed.

SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation:

Use in a well ventilated area.

Respiratory Protection:

No special requirements are expected under normal conditions and use.

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.

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:

Grey colored liquid, slight odor.

Flash Point:

170⁰ F

Lower Explosive Limit:

None

Method Used:

Unknown

Upper Explosive Limit:

None

Evaporation Rate:

Not Applicable

Boiling Point:

212° F

pH (undiluted product):

7.5 - 8.5

Melting Point:

Not

Solubility in Water:

Dilutable

Specific Gravity:

1.03

Vapor Density:

Equal to Water

Percent Volatile:

43% (wt) at

Vapor Pressure:

Equal to Water

70° F

VOC Content:

18 gm/L

SECTION 9: STABILITY AND REACTIVITY

Thermal Stability:

Stable

Hazardous Polymerization:

Will not occur

Conditions to Avoid:

Do not allow this product to freeze. This product is incompatible with strong oxidizing agents, acids, and bases.

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SECTION 10: TRANSPORTATION

Regulatory Agency:	Not Applicable
Proper Shipping Name:	Not Applicable
Hazard Classification:	Not Applicable
Identification Number:	Not Applicable
Labels Required:	Not Applicable
Other Requirements:	Not Applicable

SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments:	None.
Date of Previous MSDS:	March 10,2009
Changes Since Previous MSDS:	VOC content correction and relocated VOC content information from section 11 to section 8.
Telephone Number for Additional Information:	(317) 575-7190

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