

**Material Safety Data Sheet
For Coatings, Resins and Related Materials**

Manufacturer's Name:
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Information Phone
(304) 755-3328

Section I - Product Identification

Product Number: 760

Product Name: High Temperature Insulation Adhesive

Product Class: (Mixture)

Transportation Information: Shipping Class 55, Paint (no special labels required)

Section I I- Hazardous Ingredients

Ingredient	Percent By Weight	Occupational Exposure Limits TLV	Vapor Pressure
Aqueous Solution of Alkaline Sodium Silicate CAS No. 1344-09-8	75-80%	(as NaOH) 2mg/m ³ ceiling Acute oral LD ₅₀ =2000 - 3000 mg/kg(rat)	2mg/m ³ TWA Not available

Section III - Physical Data

Boiling Range: 212°F to 216°F

Vapor Density: Lighter than air

pH: 10 - 11

Evaporation Rate: Slower than ether

Volatile Volume: 52%

Wt/Gal: 12.0 lbs. VOC: 0 gm/l (less water)

Specific Gravity: 1.44

Solubility in Water: Appreciable

Freezing Point: 30°F(1°C)

Viscosity: Approximately 80,000 centipoise

Decomposition Temperature: Approximately 800°F (427°C)

Section IV - Fire and Explosion Hazard Data

Flammability Classification: Flash Point: No flash to boiling 212°F (TCC); OSHA - IIIIB; DOT - Not regulated
LEL: Not available

Extinguishing Media: Foam, CO₂, Dry Chemical, Water Fog

Unusual Fire and Explosion Hazards: None known

Special Firefighting Procedure: Protective clothing for skin and eye protection.

Section V - Health Hazard Data

Effects of Overexposure: **Skin:** On continued contact, will cause severe irritation chronic local effect may consist of superficial destruction. **Eyes:** Can cause severe irritation if not treated. **Inhalation:** Exposure to mists may cause coughing, sneezing; severe exposure may result in lung tissue damage. **Ingestion:** Irritation to mucous membranes.

Medical Conditions Prone to Aggravation by Exposure: None known.

Primary Routes of Entry: Dermal or inhalation

Emergency and First Aid Procedure: **Skin:** wash with soap and water. **Eyes:** flush with clean water at least 15 minutes. If irritation persists, consult physician. **Inhalation:** remove to fresh air. If breathing is difficult, administer oxygen. If irritation persists, consult physician. **Ingestion:** Do not induce vomiting. Give several glasses of water, seek medical attention immediately.

Section VI - Reactivity Data

Stability: Stable Hazardous Polymerization: Will not occur Conditions to avoid: None known

Hazardous Decomposition Products: Hydrogen

Incompatibility (Materials to Avoid): contact with acids or ammonium salts will cause gelling and evolution of heat. Prolonged contact with aluminum, tin, brass, copper, lead or zinc may produce flammable hydrogen gas.

Section VII - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled: **Spills will be very slippery.** For large spills, contain the liquid and shovel up material for removal by vacuum truck. Neutralize residue with dilute acid, flush area with water, followed by liberal covering of sodium bicarbonate. Small spills are readily washed away with water.

Waste Disposal Method: In accordance with all applicable regulations. Review hazard section of this sheet before attempting cleanup. Empty containers are non hazardous under RCRA as industrial waste.

Section VIII - Safe Handling and Use Information

Respiratory Protection: In restricted ventilation areas, use approved chemical vapor respirator. In applications where mists or spray may be generated, avoid inhalation of airborne particulates by using an approved respirator with organic vapor cartridge with prefilter for mist or dust.

Ventilation: General (mechanical) room ventilation is expected to be satisfactory.

Protective Gloves: Rubber gloves. Gloves may be cleaned with mild soap and water.

Eye Protection: Goggles, faceshield, or other eye wear to protect from splash. Other Protective Equipment: None

Hygienic Practices: Thoroughly cleanse hands after handling, as exposure can cause burns which are not immediately painful or visible. Launder and dry clothing before reuse. Discard footwear that cannot be cleaned.

Section IX - Special Precautions

Precautions to be Taken in Handling and Storing: For industrial use only. Store indoors at temperatures of 40°F to 90°F. Not for spray type applications. Protect from freezing. Do not store in aluminum containers, do not use aluminum transfer lines or fittings.

Other Precautions: For Industry/professional use only. Not intended for retail sale or use by individual consumers. Do not reuse container for potables or edibles. **Dried material can produce very hard, sharp edges.** Do not sand or grind dried material, as respirable silica dust could be generated. Vimasco 760 is manufactured using an amorphous, aqueous solution of sodium silicate, not a crystalline silicate as a regulated substance.

Section X - Sara Status

This mixture contains the following materials regulated under Section 313:

NONE

	Health	Flammability	Reactivity
HMIS	1	0	1
NFPA	1	0	1