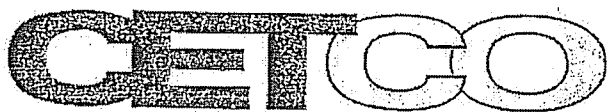


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**COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY**

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

PRODUCT NAME: VOLCLAY WB-ADHESIVE

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**SECTION 1. MANUFACTURER'S INFORMATION**

MANUFACTURER'S NAME & ADDRESS:

Date Prepared: March 1, 2002

CETCO - Building Materials Group  
1500 West Shure Drive  
Arlington Heights, IL 60004

Telephone: 847-392-5800 / Fax: 847-506-6195  
EMERGENCY CONTACT: CHEMTREC 800-424-9300  
E-mail: www.cetco.com

**SECTION 2. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

**PRODUCT IDENTIFICATION:**

Chemical Name: Black Latex Adhesive  
Formula: Mixture of Water, Natural and Synthetic Rubber, Resins, and Ammonia  
NFPA/HMIS: Health - 1, Fire - 0, Reactivity - 0, Specific Hazard - See Section VI  
DOT Class: Not Regulated (49 CFR, IMDG, IARC, IMO) / Not a marine pollutant or PIH

HAZARDOUS COMPONENTS: (Specific Chemical Identity: Common Name(s))	OSHA PEL (TWA)	ACGIH TLV (TWA)	NIOSH REL (TWA)	% (optional)
Ammonia (CAS No. 7664-41-7)	50 ppm	25 ppm	50 ppm	<0.5%

OSHA PEL - OSHA Permissible Exposure Limit, 8 hour Time-Weighted Average  
ACGIH TLV - American Conference of Governmental Industrial Hygienists Threshold Limit Value, 8 hr. TWA, 40 hr. week  
NIOSH REL - National Institute for Occupational Safety and Health, Recommended Exposure Limit, 10 hr. TWA, 40 hr. week

**SECTION 3. PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point	- 212 °F	Specific Gravity (Water = 1.0)	- 0.982
Vapor Pressure (mm Hg.)	- 17.0 @ 20 °C	Melting Point	- Not Applicable
Vapor Density (Air = 1.0)	- 0.62	Evaporation Rate (Butyl Acetate = 1.0)	- Greater
Solubility in Water	- Complete	Evaporation Rate (Ethyl Ether = 1)	- Less
Percent Volatile (by volume)	- 50%		
Appearance and Odor	- Gray color when wet, black when dry, mobile liquid, slight ammonia odor.		

**SECTION 4. FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used) - Not Applicable  
Flammable Limits - Not Applicable  
Special Fire Fighting Procedure - Do not use water, as it may be ineffective. Water may be used to cool closed containers.  
Wear self-contained breathing apparatus and protective clothing in fighting fires to avoid inhalation of smoke and vapors.  
Unusual Fire/Explosion Hazards - None known

Extinguishing Media - CO<sub>2</sub>, Foam, Dry Chemical  
LEL - Not Applicable UEL - Not Applicable

**SECTION 5. REACTIVITY DATA**

Stability: Stable  
Incompatibility (Materials to Avoid): Strong Oxidizing Agents  
Hazardous Decomposition or By-products: CO, CO<sub>2</sub>, HCL, CL<sub>2</sub>, Hydrocarbons  
Hazardous Polymerization: Will Not Occur

Conditions to Avoid - Fire, Excessive Heat  
Conditions to Avoid - None Known



**COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY**

PRODUCT NAME: VOLCLAY WB-ADHESIVE

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**SECTION 6. HEALTH HAZARD DATA**

Route(s) of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes

Health Hazards (Acute and Chronic):

Skin Contact - Prolonged and repeated skin contact can cause skin irritation and dermatitis.

Eye Contact - Can cause severe irritation, redness, tearing, blurred vision

Inhalation - Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness and nausea, impairment of coordination, and even asphyxiation.

Ingestion - Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis and pulmonary edema.

Carcinogenicity: Not listed as a carcinogen by IARC, NTP, OSHA, or ACGIH

Signs and Symptoms of Exposure: Headache, nausea and dizziness, impairment of coordination.

Medical Conditions Generally Aggravated by Exposure: None Known

Emergency and First Aid Procedures:

Eye Contact - Flush the eyes immediately with large amounts of water, lifting the upper and lower lids occasionally. If irritation persists or for imbedded foreign body, get immediate medical attention.

Gross Inhalation - Remove to fresh air. If breathing has stopped, perform artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get prompt medical attention.

Skin Contact - No first aid should be needed since this product does not affect the skin. Wash exposed skin with soap and water before breaks and at the end of the shift.

Ingestion - If large amounts are swallowed, get immediate medical attention.

**SECTION 7. PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to be taken in Case Material is Released or Spilled: Ventilate the area. Wear rubber gloves and use rags or disposable paper towel. Dispose of rags, etc. in sealed containers.

Waste Disposal Method: Dispose of in accordance with federal, state and local regulations.

Precautions to Be Taken in Handling and Storing: WARNING: Harmful or fatal if swallowed. Use with adequate ventilation. Avoid prolonged or repeated skin contact. Avoid contact with eyes. Do not transfer to unmarked container.

Other Precautions: Keep out of reach of children. For industrial use only. If resold or repackaged for household use, containers must be relabeled in accordance with the Federal Hazardous Substances Labeling Act.

**SECTION 8. CONTROL MEASURES**

Respiratory Protection (Specify Type) - Use NIOSH approved respirator in compliance with OSHA Standard 29 CFR 1910.134.

Ventilation a) Local Exhaust - General dilution of sufficient volume & pattern to keep vapor concentration below 25 ppm ammonia

b) Mechanical (General) - As appropriate

Protective Gloves - Impermeable gloves to minimize skin contact

Eye Protection - Safety glasses with side shields.

Other Protective Clothing or Equipment - Eye Bath and Safety Shower

Work/Hygienic Practices - Wash with soap and water before eating, drinking, smoking, or using the toilet facilities.

Other Protective Clothing or Equipment -As appropriate for work environment.

The information herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge. However, ETCO cannot give guarantees regarding information from other sources, and expressly does not make any warranties, nor assumes any liability, for its use.