

Material Safety Data Sheet

Freeman Gold Cold Glue

Date of Preparation: January 3, 2007

Revision:

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Freeman Gold Cold Glue

Chemical Family: Vinyl Acetate Polymer

CAS Number: N/A

Other Designations: N/A

General Use: N/A

Manufacturer: Freeman Manufacturing and Supply Company, 1101 Moore Road, Avon, OH 44011,
Phone (440)934-1902, FAX (440)934-7200, Hours of Operation 8-5, Emergency Phone Number 800-424-9300.

HMIS

H 1

F 0

R 0

PPE†

†Sec. 8

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

CAUTION! May cause eye irritation. May cause allergic skin reaction.

Section 2 - Composition / Information on Ingredients

Ingredient	CAS #	Amount
2-Methyl-4-isothiazolin-3-one	2682-20-4	≤ 0.001%
5-Chloro-2-Methyl-4-Isothiazolin-3-one	26172-55-4	≤ 0.001%

Ingredient	OSHA PEL	ACGIH TLV	Manufacturer	
			TWA	STEL (15 min)
2-Methyl-4-isothiazolin-3-one	Not estab.	Not estab.	1.5 mg/m3	4.5 mg/m3
5-Chloro-2-Methyl-4-Isothiazolin-3-one	Not estab.	Not estab.	0.076 mg/3	0.23 mg/m3

Section 3 - Physical and Chemical Properties

Appearance and Odor: Light yellow opaque liquid;
mild odor

Odor Threshold: Not available

Vapor Pressure: 17.5mm Hg at 20 °C (68°F)

Vapor Density (Air=1): 0.62

Specific Gravity (H₂O=1, at 4 °C): ~ 1.10

pH: 4.0 – 5.0

Water Solubility: Dispersible

Boiling Point: ~100 °C (212°F)

Freezing Point: Not available

Viscosity: 4,000 – 5,000 cps Brookfield

Evaporation Rate (Butyl Acetate=1): < 1

Typical % Solids: ~ 45.50% (m)

Section 4 - Fire-Fighting Measures

Flash Point: Greater than 95°C (203°F)

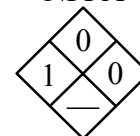
LEL: Not applicable

UEL: Not applicable

Autoignition Temperature: Not applicable

Will not burn unless water has evaporated. Dried material may burn. In case of fire,
water should be used to keep fire-exposed containers cool.

NFPA



Section 5 - Stability and Reactivity

Stability: Normally stable as defined in NFPA 704-12 (4-3.1)

Decomposition Products: May include oxides of carbon.

Hazardous Polymerization: Will not occur.

Section 6 - Health Hazard Information

Potential Health Effects

Immediate Hazards:

Inhalation: Not expected to be harmful under normal conditions of use. However, if allowed to become airborne, may cause irritation of nose, throat, and lungs.

Eye: May cause irritation on prolonged or repeated contact.

Skin: May cause irritation on prolonged or repeated contact.

Ingestion: No hazards known.

Carcinogenicity: IARC, NTP, and OSHA do not list any component as carcinogenic.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air

Eye: Immediately flush eyes with plenty of water. Call a physician if irritation persists.

Skin: In case of irritation, flush with water

Ingestion: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

Section 7 - Spill, Leak, and Disposal Procedures

Accidental Release Measures:

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. For large spills, use water spray to disperse vapors and flush spill area. Prevent runoff from entering waterways or sewers. Use appropriate Personal Protective Equipment (PPE).

Disposal Considerations: Recover free liquid. Absorb residue and dispose of according to local, state, and federal requirements.

Ecological Information: Not determined

Toxicological Information: N/A

Regulatory Information (Selected Regulations)

US Federal Regulations

OSHA Hazard Communication Standard 29CFR1910.1200

This material presents possible health hazards as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.

SARA Title III: Section 311/312

Does not meet any hazard category.

SARA Title III: Section 313 and 40 CFR Part 372

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 Title III of Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.

None required per SARA Title III Section 313.

TSCA Section 8(b) Inventory

All reportable chemical substances are listed on the TSCA Inventory

State Regulations:

This product does not contain any components that are regulated under California Proposition 65

Canadian Regulations:

Workplace Hazardous Materials Information System (WHMIS)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.

Not a controlled product.

Revision:**Freeman Gold Cold Glue****Canadian Environmental Protection Act (CEPA)**

All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

National Pollutant Release Inventory (NPRI)

This product contains the following chemicals subject to the reporting requirements of the Canadian Environmental Protection Act (CEPA) subsection 16 (1), National Pollutant Release Inventory.

None Required.

Section 8 - Exposure Controls / Personal Protection

Exposure Controls: If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

Personal Protection: Where air contaminants can exceed acceptable criteria, use NIOSH (42 CFR Part 84) approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA laws and regulations or other applicable standards or guidelines, including ANSI standards regarding respiratory protection. Use goggles if contact is likely. Wear impervious gloves as required to prevent skin contact.

Section 9 - Special Precautions and Comments

Handling: Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing. Wash thoroughly after handling. Always use appropriate Personal Protective Equipment (PPE).

INHALATION: Avoid prolonged or repeated breathing of vapor.

SKIN: Avoid prolonged or repeated contact with skin and clothing.

EYES: Avoid prolonged or repeated contact with eyes.

Storage: Harmed by freezing. Cannot be made usable after freezing. Store in a cool, dry place. Do not store in bare metal drums or cans. Limited storage life – Refer to product specifications.

DOT Transportation Data (49 CFR 172.101):

The data provided in this section is for information only and may not be specific to your package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

Shipping Name: Non regulated

Shipping Symbols:

Hazard Class:

ID No.:

Packing Group:

Label:

Special Provisions (172.102):

Packaging Authorizations

a) Exceptions:

b) Non-bulk Packaging:

c) Bulk Packaging:

Quantity Limitations

a) Passenger, Aircraft, or Railcar:

b) Cargo Aircraft Only:

Vessel Stowage Requirements

a) Vessel Stowage:

b) Other:

Disclaimer: The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.