

Material Safety Data Sheet

Freeman Latex Disc Cement

Date of Preparation: January 3, 2007

Revision:

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Freeman Latex Disc Cement

Chemical Family: Latex emulsion

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 1-800-424-9300.

HMIS

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☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Irritation, possible sensitizer

Section 2 - Composition / Information on Ingredients

| Ingredient Name | CAS Number | % wt or % vol |
|--------------------|------------|------------------|
| Ammonium Hydroxide | 7664-41-7 | <0.1 |

| Ingredient | OSHA PEL | | ACGIH TLV | | NIOSH REL | | NIOSH IDLH |
|--------------------|----------|------------|-----------|------------|------------|------------|---------------|
| | TWA | STEL | TWA | STEL | TWA | STEL | |
| Ammonium Hydroxide | 50 ppm | Not Estab. | 25 ppm | Not Estab. | Not Estab. | Not Estab. | Not Estab. |

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Section 3 - Physical and Chemical Properties

Physical State: Liquid

Appearance and Odor: Creamy color, ammonia odor

Odor Threshold: Not established

Vapor Pressure: Not established

Vapor Density (Air=1): Not established

Specific Gravity (H₂O=1, at 4 °C): 0.94

%Solids by Weight: 59.5 - 61.5

Boiling Point: 212°F

Freezing/Melting Point: N/A

Evaporation Rate: Not established

pH: 9.7 - 10.3

Section 4 - Fire-Fighting Measures

Flash Point: Non-flammable

Autoignition Temperature: Not established

LEL: Not established

UEL: Not established

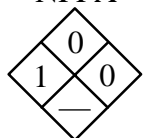
Extinguishing Media: Non-flammable in liquid state; use water spray, foam, dry chemical or carbon dioxide on dried product.

Unusual Fire or Explosion Hazards: There is the possibility of pressure build up in closed containers when heated. Water spray may be used to cool the containers.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide.

Fire-Fighting Instructions: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

NFPA



Section 5 - Stability and Reactivity

Stability: Stable under normal conditions.

Polymerization: Hazardous polymerization will not occur.

Chemical Incompatibilities: Not established

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide

Section 6 - Health Hazard Information

Potential Health Effects

Primary Entry Routes: Eye and Skin.

Acute Effects

Inhalation: Can cause minor respiratory irritation.

Eye: No irritation hazard in normal industrial use.

Skin: No irritation hazard in normal industrial use.

Ingestion: Not an anticipated route of exposure.

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

Medical Conditions Aggravated by Long-Term Exposure: No known effects on other illnesses.

Long Term (Chronic) Health Effects: Target organs: No organs known to be damaged from exposure to this product.

Emergency and First Aid Procedures

Inhalation: This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.

Eye Contact: None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.

Skin Contact: Wash with soap and water.

Ingestion: No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

Section 7 - Spill, Leak, and Disposal Procedures

Spill /Leak Procedures: Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds or water systems.

Special Protection: No adverse health effects expected from the clean-up of spilled material

Disposal Considerations: To the best of our knowledge, this product does not meet the definition of hazardous waste under U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements.

Ecological Information: No ecological information available.

Toxicological Information: No additional health information available.

Federal Reporting:

SARA Toxic Chemical Section 313 (40 CFR 372.65): This product contains toxic chemical(s) subject to the reporting requirements of Section 313 of SARA Title III.

| | | |
|--------------------|----------------|-------|
| Ammonium Hydroxide | CAS #7664-41-7 | 0.09% |
|--------------------|----------------|-------|

State Reporting:

May contain trace amounts of Formaldehyde (CAS # 50-00-0) and Sodium o-phenyl phenate (CAS #132-27-4) which are listed on the California Proposition 65 list as causing cancer.

WHMIS Status: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.

Regulatory Information

Inventory Status:

Toxic Substances Control Act (TSCA) Section 8(b) Inventory Status:

This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

Canadian CEPA DSL:

This product is in compliance with the Canadian Domestic Substance List requirements.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Not required to maintain operator comfort under normal conditions of use.

Ventilation: No exposure limits exist for the constituents of this product.

Respiratory Protection: No respiratory protection required under normal conditions of use. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).

Gloves: Not normally required. Use nitrile gloves if conditions warrant.

Eye Protection: No special requirements under normal industrial use.

Skin Protection: Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking and when leaving work.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetic.

Section 9 - Special Precautions and Comments

Handling Information: No special handling instructions due to toxicity.

This product contains limited amounts of residual monomer. Under normal handling and use conditions the residual monomer will migrate from the emulsion and establish an equilibrium between the headspace in the storage container and the liquid emulsion. Levels in excess of acceptable exposures can accumulate in non-vented headspaces above the emulsion. All procedures appropriate for a confined space entry should be completed prior to performing any work in a bulk storage tank.

Storage Information: Store in a cool, dry place.

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Not 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.