

Material Safety Data Sheet

Freeman Water Base Pattern Coating

Date of Preparation: January 23, 2007

Revision:

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Freeman Water Base Pattern Coating

Chemical Family: Water based resin

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

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☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Combustible when dry, irritant

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Dipropylene Glycol Monomethyl Ether	34590-94-8	< 5
N-Methyl-2-Pyrrolidone	872-50-4	< 5
Pigments-may include Titanium Dioxide and/or Carbon Black	Varies with color	5-15

Ingredient	OSHA PEL		ACGIH TLV		Vapor Pressure
	TWA	STEL	TWA	STEL	
Dipropylene Glycol Monomethyl Ether	100 ppm	none estab.	100ppm	none estab.	0.5 mmHg @ 68°F
N-Methyl-2-Pyrrolidone	none estab.	none estab.	none estab.	none estab.	0.3 mmHg @ 68°F
Pigments	none estab.	none estab.	none estab.	none estab.	N/A

Section 3 - Physical and Chemical Properties

Appearance and Odor: Gray, black, yellow, or red liquid. Mild odor.

Vapor Density (Air=1): Heavier than air.

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

Boiling Range: 356 °F - 447 °F

Water Solubility: Yes

Coating V.O.C.: 1.91 lb/gl

Material V.O.C.: 0.87 lb/gl

Evaporation Rate: Slower than ether

Section 4 - Fire-Fighting Measures

Flash Point: 167 °F (75°C)

Flash Point Method: TCC

LEL: 0.6% by vol.

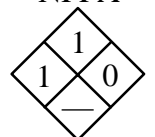
UEL: 24.6% by vol.

Extinguishing Media: Foam, CO₂, dry chemical, water fog

Unusual Fire or Explosion Hazards: No unusual fire or explosion hazards known.

Fire-Fighting Instructions: Wear full body protective clothing and MESA/NOISH approved self-breathing apparatus. Use water to cool fire exposed containers. Do not release runoff from fire control methods to sewers or waterways.

NFPA



Section 5 - Stability and Reactivity

Stability: Stable under recommended handling and storage conditions.

Polymerization: Hazardous polymerization will occur.

Chemical Incompatibilities: N/A

Conditions to Avoid: Keep product from freezing

Hazardous Decomposition Products: By fire: Oxides of carbon and possible oxides of nitrogen.

Section 6 - Health Hazard Information

Potential Health Effects

Acute Effects

Inhalation: Irritation of the respiratory tract.

Eye: Primary Irritation

Skin: Primary Irritation. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. The dermal LD50 in rats is greater than 2000mg/kg.

Ingestion: Do not induce vomiting. Consult a physician or poison control center.

Carcinogenicity: IARC has classified Carbon Black to be a Class 2B suspect human carcinogen. IARC has classified Titanium Dioxide to be a Class 2B suspect human carcinogen

Medical Conditions Aggravated by Long-Term Exposure: Any medical condition, allergy, or sensitization can worsen upon exposure.

Emergency and First Aid Procedures

Inhalation: If affected by inhalation, remove to fresh air. If not breathing start mouth to mouth resuscitation and get medical help.

Eye Contact: Flush immediately with large amount of water for 15 minutes, see a physician.

Skin Contact: Wash skin thoroughly with soap and water. If irritation develops consult a physician.

Ingestion: Do not induce vomiting. Consult a physician or poison control center.

Section 7 - Spill, Leak, and Disposal Procedures

Spill /Leak Procedures: Avoid breathing vapors. Wear goggles, coveralls and impervious gloves and boots. Add dry absorbent and shovel or sweep up place in an appropriate container and seal. Wash all clothing before reuse.

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261.): Not classified

CERCLA Hazardous Substance (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112: Not listed.

SARA 311/312 Codes: No hazard categories identified.

SARA Toxic Chemical (40 CFR 372.65): No components were identified.

TSCA Inventory: The components of this product are listed on the Toxic Substances Control Act (TSCA) inventory.

California Proposition 65: This product is not known to contain any components for which the State of California has found to cause cancer, birth defects or other reproductive harm.

Carbon Black (CAS # 1333-86-4) is listed on the New Jersey and Pennsylvania Right to Know Lists.

Titanium Dioxide (CAS # 13463-67-7) is listed on the New Jersey and Pennsylvania Right to know lists.

Section 8 - Exposure Controls / Personal Protection

Ventilation: Use local exhaust ventilation to control mists or vapors generated when using this product. Ventilation must keep exposures below regulated limits.

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Respiratory Protection: In outdoor or open areas use bureau of mines approved mechanical filter respirator to remove solid air borne particles of over spray during spray application.

Protective Gloves: Wear resistant gloves such as: Natural rubber, or neoprene

Eye Protection: Chemical splash goggles in compliance with OSHA regulation.

Other Protective Clothing or Equipment: To prevent repeated or prolonged contact, wear impervious clothing and boots.

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

Work /Hygienic Practices: Wash hands before eating or using the washrooms, smoke in smoking areas only.

Section 9 - Special Precautions and Comments

Precautions to be Taken in Handling and Storage: Do not leave containers open. Empty containers retain product residue. Observe all safety precautions. Do not reuse container.

DOT Transportation Data (49 CFR 172.101):

Shipping Name:	Packaging Authorizations	Quantity Limitations
Shipping Symbols:	a) Exceptions:	a) Passenger, Aircraft, or Railcar:
Hazard Class:	b) Non-bulk Packaging:	b) Cargo Aircraft Only:
ID No.:	c) Bulk Packaging:	
Packing Group:		Vessel Stowage Requirements
Label:		a) Vessel Stowage:
Special Provisions (172.102):		b) Other:

Prepared By:
Revision Notes:

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