

Material Safety Data Sheet

Freeman Wood and Plaster Mold-Seal Coating

Date of Preparation: January 17, 2007

Revision:

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Freeman Wood and Plaster Mold-Seal Coating

Chemical Family: Solvent based coating

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 2

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PPE†

†Sec. 8

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Flammable, Irritant, Inhalation

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Toluene *	108-88-3	25-35
VM&P Naphtha	64742-89-8	<10
N-Butyl Acetate	123-86-4	5-15
Isopropyl Alcohol *	67-63-0	<10
Acetone *	67-64-1	5-15
Ethylene Glycol Monobutyl Ether	111-76-2	<10
Xylene *	1330-20-7	<10

* Indicates hazardous chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

Ingredient	OSHA		ACGIH		Vapor Pressure
	PEL	STEL	TLV	STEL	
Toluene	100 ppm.	500 ppm	50 ppm	none estab.	22 mmHg @ 68°F
VM&P Naphtha	400 ppm	none estab.	300 ppm	none estab.	60 mmHg @ 68°F
N-Butyl Acetate	150 ppm	none estab.	150 ppm	200 ppm	10 mmHg @ 68°F
Isopropyl Alcohol	400 ppm	none estab.	200 ppm	400 ppm	33 mmHg @ 68°F
Acetone	750 ppm	1000 ppm	750 ppm	750 ppm	180 mmHg @ 68°F
Ethylene Glycol Monobutyl Ether	25 ppm	Skin absorption possible	20 ppm	none estab.	0.6 mmHg @ 68°F
Xylene	100 ppm	150 ppm	100 ppm	150 ppm	18 mmHg @ 100°F

Section 3 - Physical and Chemical Properties

Appearance and Odor: cloudy white liquid, mild odor

Coating VOC: 5.89 lb/gal (705 g/l)

Material VOC: 5.32 lb/gal (637 g/l)

Specific Gravity (H₂O=1, at 4 °C): 0.9

Water Solubility: Approximately 55% by volume

Boiling Point: 132°-340°F

Vapor Density (Air=1): >1.0

Evaporation Rate: Slower than ether

Section 4 - Fire-Fighting Measures

Flash Point: 20 °F (-7°C)

Flash Point Method: TOC

LEL: 1.0 % by vol.

UEL: 12.8 % by vol.

Extinguishing Media: Foam, alcohol foam, CO₂, dry chemical, water fog, other.

Special Fire-Fighting Procedures: Wear full protective clothing and self-contained breathing apparatus.

Water spray may be ineffective. Cool closed containers with water to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Unusual Fire and Explosion Hazards: Keep containers tightly closed. Isolate from heat, sparks, open flames, and electrical equipment. Closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Empty containers may contain explosive vapors. Do not cut, weld, grind, or drill on or near full or empty containers.



Section 5 - Stability and Reactivity

Stability: Stable

Conditions to Avoid: Elevated temperatures

Incompatibility (Materials to Avoid): Strong acids, strong alkalis, oxidizing agents, catalysts, and water

Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide, and oxides of nitrogen, others unknown.

Hazardous Polymerization: Will not occur under normal conditions.

Section 6 - Health Hazard Information

Potential Health Effects

Primary Entry Routes: Inhalation, Eyes, Skin, Ingestion

Inhalation Health Risks and Symptoms of Exposure:

Irritation of upper respiratory tract and central nervous system depression. Symptoms include: confusion, dizziness, fatigue, headache, loss of balance and coordination, nausea, or unconsciousness.

Skin and Eye Contact Health Risks and Symptoms of Exposure:

Skin: Redness and cracking. Liquid penetrates shoes and leather causing delayed burns.

Eyes: Moderate to severe irritation, tearing, redness, blurred vision, and possible corneal injury.

Skin Absorption Health Risks and Symptoms of Exposure: Signs and symptoms are similar to those of swallowing.

Ethylene Glycol Monobutyl Ether penetrates skin readily. Frequent or prolonged contact can result in absorption of potentially harmful amounts.

Ingestion Health Risks and Symptoms of Exposure: Swallowing can cause gastrointestinal irritation, nausea, vomiting, diarrhea, headache, and dizziness. There is also a pulmonary aspiration hazard if this product is swallowed and vomiting occurs. This can result in chemical pneumonia.

Health Hazards (Acute and Chronic):

Acute Effects

Inhalation: Dizziness, headache, loss of balance and coordination, nausea, unconsciousness, death

Eye: Moderate to severe irritation, tearing, corneal injury, and blurred vision.

Skin: Prolonged contact can cause same effects as ingestion. Limited contact will cause reddening and dermatitis.

Ingestion: Nausea, diarrhea, headache, dizziness, incoordination. Also red blood cell, kidney, and liver damage.

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

Medical Conditions Generally Aggravated by Exposure: Pre-existing breathing difficulties and other respiratory disorders, headaches, dermatitis, and eye disorders.

Emergency and First Aid Procedures

Inhalation: Move person to fresh air. If breathing stops, give artificial respiration, administer oxygen if available, get immediate medical assistance.

Eye Contact: Immediately flush eyes with cool water for 15 minutes. Get medical assistance

Skin Contact: Wash with soap and water. Remove contaminated clothing, wash clothing before reuse, consult doctor if necessary.

Ingestion: Do not induce vomiting! Get immediate medical assistance

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7 - Spill, Leak, and Disposal Procedures

Spill /Leak Procedures: Remove all sources of ignition, ventilate area, avoid breathing vapors, contain spill and remove with inert absorbent. Use non-sparking tools.

Waste Disposal Method: Dispose of in accordance with local, state, and federal regulations. Do not incinerate closed containers, a violent explosion could occur. Use only a licensed disposal firm/facility.

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)
RCRA Hazardous Waste Classification (40 CFR 261.: Not classified
SARA Toxic Chemical (40 CFR 372.65): See Section 2.

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

Regulatory Information:

TSCA Inventory Status: All ingredients are listed on TSCA Inventory.

State Regulations:

California Proposition 65: May contain trace amounts of benzene and ethylbenzene which are considered as cancer hazards.

Toluene (CAS # 108-88-3), n-butyl acetate(CAS # 123-86-4), acetone (CAS # 67-64-1), ethylene glycol monobutyl ether(CAS # 111-76-2), and xylene (CAS # 1330-20-7) may be found on the New Jersey, Pennsylvania and Massachusetts Right to Know Lists.

Isopropyl Alcohol (CAS # 67-63-0) may be found on the New Jersey and Pennsylvania Right to Know lists.

Zinc Stearate (CAS # 557-05-1) may be found on the Pennsylvania Right to Know List.

Section 8 - Exposure Controls / Personal Protection

Ventilation: Provide general clean air dilution or local exhaust ventilation to keep concentrations of fumes below lower explosive limits and exposure limits.

Respiratory Protection: Wear a properly fitted, NIOSH/MSHA approved, chemical/mechanical respirator to keep worker exposure below the time weighted threshold limit values. In confined or poorly ventilated areas, wear a NIOSH/MSHA approved, air line respirator or hood. Consult your local safety equipment supplier for approved respirators and fitting instruction.

Protective Gloves: Use impervious gloves to prevent skin contact.

Eye Protection: Splash proof goggles or face shield. **Do not wear contact lenses.**

Other Protective Clothing or Equipment: Chemical resistant apron, chemical resistant boots for spill clean up.

Work/Hygienic Practices: Wash hands before eating, smoking, or using the bathroom. Avoid skin contact.

Section 9 - Special Precautions and Comments

Precautions to be Taken: Do not store above 100°F. Ground containers when pouring or transferring. Keep away from heat, sparks, and flames. Store containers upright to prevent leakage. Do not puncture or reuse containers. See OSHA 1910.106 for proper storage conditions. Prohibit smoking in areas this product is used. Keep out of reach of children. For industrial use only.

Other Precautions: Solvent vapors are heavier than air and travel near ground level. They also accumulate in low areas and pits. ***Notice:** Reports have been associated repeated and prolonged occupational overexposure to solvent with permanent brain and nervous damage. Intentional misuse be deliberately concentrating and inhaling the contents may be harmful or fatal.

Do not use until all safety precautions have been read and understood.

DOT Transportation Data (49 CFR 172.101):

Domestic Ground

Transportation

Shipping Name: Paint

Shipping Symbols:

Hazard Class: 3

ID No.: UN 1263

Packing Group: II

Label: Flammable Liquid

Air Freight Transportation:

Refer to International Civil Aviation Organization (ICAO) Regulations.

Ocean Transportation:

Refer to International Marine Organization (IMO) Regulations.

Quantity Limitations

- a) **Passenger, Aircraft, or Railcar:**
- b) **Cargo Aircraft Only:**

Vessel Stowage Requirements

- a) **Vessel Stowage:**
- b) **Other:**

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