

Material Safety Data Sheet

Freeman Fillet Cement Thinner

Date of Preparation: January 3, 2007

Revision:

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Freeman Fillet Cement Thinner

Chemical Family: Solvent.

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 ☆☆☆☆☆

Irritant, Flammable

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Acetone	67-64-1	95-100

Ingredient	OSHA PEL		ACGIH TLV		Vapor
	TWA	STEL	TWA	STEL	Pressure
Acetone	750 ppm	1000 ppm	500 ppm	750 ppm	182 mmHg @ 69°F

Section 3 - Physical and Chemical Properties

Physical State: Liquid

Appearance and Odor: Clear, colorless, pungent odor

Vapor Pressure: 186.2 mm Hg at 68 °F (20 °C)

Vapor Density (Air=1): 2.000

Specific Gravity (H₂O=1, at 4 °C): 0.79

Water Solubility: Soluble

Melting Point: -139.0°F (-95°C)

Viscosity: 0.4 cSt @ 20 °C

% Volatile: 100%

Evaporation Rate: 14.40 (N-Butyl Acetate = 1)

VOC: 6.590 lbs./gal

Section 4 - Fire-Fighting Measures

Flash Point: -4 °F (-20°C)

Flash Point Method: TCC

Autoignition Temperature: 869.0 °F (465.0 °C)

LEL: 2.6 %/v

UEL: 12.8 %/v

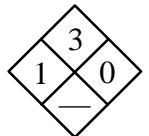
Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Fire or Explosion: Vapors may form explosive mixture with air. Flash back possible over considerable distance. Use water spray to disperse the vapors. NFPA Class 1B flammable liquid.

Fire-Fighting Instructions: Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide limited protection.

Further Information: Keep containers and surroundings cool with water spray. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

NFPA



Section 5 - Stability and Reactivity

Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization will not occur.

Chemical Incompatibilities: Can react with strong oxidizers, inorganic acids, and halogens.

Conditions to Avoid: Keep away from heat and sources of ignition.

Hazardous Decomposition Products: Combustion products include carbon dioxide, carbon monoxide and possibly other unidentified organic compounds.

Section 6 - Health Hazard Information

Potential Health Effects

Acute Effects

Eyes: Irritating to eyes.

Skin: Repeated or prolonged contact can cause redness, irritation and scaling of the skin (dermatitis). Normal care and personal hygiene should prevent skin effects. The product may be absorbed through the skin.

Inhalation: Irritation of the nose and throat, dizziness, and headache.

Ingestion: Aspiration (breathing) into lungs, caused while vomiting, may result in severe pulmonary injury. Depression of central nervous system can occur. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Emergency and First Aid Procedures

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. When symptoms persist or in all cases of doubt seek medical advice. Wash contaminated clothing before reuse.

Inhalation: Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.

Ingestion: If swallowed, call a physician or poison control center immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Section 7 - Spill, Leak, and Disposal Procedures

Steps to be Taken in Case of Spill or Leak: Evacuate personnel to safe areas. Remove all sources of ignition. Contain and collect spillage with non-combustible absorbent material, (e.g. sand earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations. Do not flush into surface water or sanitary sewer system.

Disposal Considerations:

Waste Code: F003 (RQ 5,000 lbs).

Disposal Methods: Dispose of only in accordance with local, state, and federal regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

Empty Containers: Empty containers retain product residue (liquid and/or vapor) and can be dangerous. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.** Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

Toxicological Information:

Skin: Severe irritant based on standard Draize tests.

Skin: Acute dermal LD50 (rabbit): 20,000 mg/kg

Inhalation: Acute 8 hours LC50 (rat): 50,100 mg/m³

Ingestion: Acute oral LD50 (rat): 5,800 mg/kg

Carcinogenicity: This product contains no carcinogenic substances.

Ecological Information:

Aquatic Toxicity: Non-toxic to aquatic life.

(Trout) 96 hours: 5,540 mg/l, (Goldfish) 24 hours: 5,000 mg/l, (Bluegill sunfish) 96 hours: 8,300 mg/l
(Shrimp) 24 hours: 2,100 mg/l, (Daphnia) 48 hours: 10 mg/l.

Biodegradation: Readily biodegradable.

Regulatory Information

US Federal Regulations:

OSHA Classification: Flammable liquid

TSCA Inventory Listing: Components - 2-Propanone CAS No. 67-64-1

SARA 302 Status: Contains no chemicals subject to SARA 302 reporting.

SARA 311/312 Classification: "Fire hazard"

SARA 313 Chemical: Contains no chemicals subject to SARA 313 reporting.

CERCLA Hazardous Substances: Contains no chemicals subject to CERCLA.

International Regulations:

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Workplace Hazardous Materials Information System (WHMIS) Classification:

Class B, Division 2: Flammable liquid.

Class D, Division 2, Subdivision B: Toxic Material.

Australian Inventory of Chemical Substances (AICS) Listing: The components of this product are listed on the AICS.

Japanese Minister of International Trade and Industry (MITI) Inventory Listing: The components of this product are listed on the MITI.

Canadian Domestic Substance List (DSL) Inventory Listing: The components of this product are listed on the DSL.

State Regulations

California State Drinking Water Act (Prop 65) Listing: Contains no chemical subject to California Prop 65.

Acetone(CAS # 67-64-1) is found on the New Jersey, Pennsylvania and Massachusetts Right to Know Lists

Section 8 - Exposure Controls / Personal Protection

Engineering Measures: Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines). Mechanical ventilation may be necessary if working with this product in enclosed areas and/or at elevated temperatures. Use explosion-proof equipment.

Personal Protective Equipment:

Eyes: When contact with liquid is possible, use a face shield and/or chemical splash goggles. Otherwise use safety glasses with side shields or goggles.

Skin: Wear suitable protective clothing, gloves and eye/face protection.

Inhalation: Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. NIOSH-approved organic vapor air-purifying respirator, self-contained breathing apparatus, or air-supplied respirators where there may be potential for overexposure.

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

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

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 cosmetics.

Section 9 - Special Precautions and Comments

Handling and Storage: Store under ambient temperature and pressure. Ensure all equipment is electrically grounded before beginning transfer operations. Keep away from heat and sources of ignition.

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Acetone

Shipping Symbols:

Hazard Class: 3

ID No.: UN 1090

Packing Group: II

Label:

Special Provisions (172.102):

Packaging Authorizations

a) **Exceptions:**

b) **Non-bulk Packaging:**

c) **Bulk Packaging:**

IATA: Acetone, 3, UN 1090, II

IMDG: Acetone, 3, UN 1090, II

Quantity Limitations

a) **Passenger, Aircraft, or Railcar**

b) **Cargo Aircraft Only:**

Vessel Stowage Requirements

a) **Vessel Stowage:**

b) **Other:**

RQ (Reportable Quantity)

5000 lbs. Acetone

Prepared By:**Revision Notes:**

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