

Material Safety Data Sheet

Freeman F-Bond Remover

Date of Preparation: January 3, 2007

Revision:

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Freeman F-Bond Remover

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 800-424-9300.

HMIS

H 2

F 3

R 3

PPE†

†Sec. 8

☆☆☆☆☆ **Emergency Overview** ☆☆☆☆☆
Irritation, May be narcotic via inhalation, defatting of skin,

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Nitromethane	75-52-5	99-100

Ingredient	OSHA PEL		ACGIH TLV		Vapor Pressure
	TWA	STEL	TWA	STEL	
Nitromethane	100 ppm	None estab.	20 ppm	none estab.	182 mmHg @ 68°F

Section 3 - Physical and Chemical Properties

Physical State: Liquid

Appearance and Odor: Clear; sharp, pungent odor.

Odor Threshold: N/A

Vapor Pressure: 181.7 mm Hg at 68 °F

Vapor Density (Air=1): N/A

VOC: (EPA Method 24) 99.9% 870 grams/L

Specific Gravity (H₂O=1, at 4 °C): 0.877 @ 77 F

pH: N/A

Water Solubility: Miscible

Other Solubilities: N/A

Boiling Point: 133° F

Freezing/Melting Point: N/A

Viscosity: N/A

% Volatile: N/A

Evaporation Rate: Slower than ethyl ether.

Section 4 - Fire-Fighting Measures

Flash Point: 35 °F (2°C)

Flash Point Method: Tag Closed Cup

Burning Rate: N/A

Autoignition Temperature: N/A

LEL: N/A

UEL: N/A

Flammability Classification: N/A

Extinguishing Media: Foam, dry chemical, or carbon dioxide.

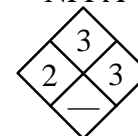
Unusual Fire or Explosion Hazards: None

Hazardous Combustion Products: Irritating organic vapors.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

NFPA



Section 5 - Stability and Reactivity

Stability: Freeman F-Bond Remover is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization will not occur.
Chemical Incompatibilities: Avoid contact with strong oxidizing agents.
Conditions to Avoid: N/A
Hazardous Decomposition Products: Nitrogen oxides

Section 6 - Health Hazard Information

Potential Health Effects

Primary Entry Routes: Inhalation, Ingestion, contact.
Target Organs: N/A
Signs & Symptoms of Exposure: Vapors irritate eyes, nose, and throat. Liquid is an eye irritant and may irritate skin.
Acute Effects Vapor irritates eyes, nose, and throat. Liquid is an eye irritant and may irritate skin.
Carcinogenicity: This material is a confirmed animal carcinogen.
Medical Conditions Aggravated by Long-Term Exposure: N/A
Chronic Effects: N/A

Emergency and First Aid Procedures

Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.
Eye Contact: Flush with warm water. Seek medical attention.
Skin Contact: Wash in warm water.
Ingestion: Give water to dilute. Do not induce vomiting. Keep individual calm and seek medical attention.
After first aid, get appropriate in-plant, paramedic, or community medical support.
Note to Physicians: N/A
Special Precautions/Procedures: N/A

Section 7 - Spill, Leak, and Disposal Procedures

Spill /Leak Procedures: Avoid flame and sparks. Maintain adequate ventilation. Soak up in an inert absorbent and store in a closed container until disposal.
Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.
Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).
Disposal: Incinerate or dispose of in an approved landfill. Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.
Disposal Regulatory Requirements: N/A
Container Cleaning and Disposal: N/A
Ecological Information: N/A

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
 CERCLA Reportable Quantity (RQ), lb (kg): None
 SARA 311/312 Codes: Immediate, Delayed, Fire
 SARA Toxic Chemical (40 CFR 372.65): Not listed
 SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed
 OSHA Specifically Regulated Substance (29CFR 1910.)

State Regulations:

CA Proposition 65: This product contains the following substance known to the State of California to cause cancer:
 NITROMETHANE

Nitromethane (CAS # 75-52-5) is found on the New Jersey and Pennsylvania Right to Know Lists

TSCA Status: The intentional ingredients of this product are listed.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: N/A

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls: N/A

Respiratory Protection: Not applicable with good local exhaust.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

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 Precautions: Avoid contact with skin. Avoid breathing vapors. Do not use around heat, sparks or open flame.

Storage Requirements: Store away from flame and sparks. Keep container tightly closed.

DOT Transportation Data (49 CFR 172.101):

Domestic Ground Transport:

Shipping Name: Consumer
Commodity (not more than one liter)
Nitromethane (more than one liter)

Shipping Symbols:

Hazard Class: ORM-D (not more than one liter); Flammable Liquid 3, Packing Group II (more than 1 liter)

ID No.: None (not more than 1 liter)
UN 1261 (more than 1 liter)

Packaging Authorizations

a) Exceptions:
b) Non-bulk Packaging:
c) Bulk Packaging:

Packing Group:

Label:
Special Provisions
(172.102):

Marine Pollutant: No

Quantity Limitations

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

Vessel Stowage Requirements

a) Vessel Stowage:
b) Other:

Prepared By:

Revision Notes:

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