FREEMAN Manufacturing & Supply Company

Safety Data Sheet

Freeman Acetone Solvent

Section 1 Identification

NFPA	
H	1
F	3
R	0
PPE	
Sec. 8	

Product identifiers

Product name: Freeman Acetone Solvent

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Solvent

Details of the supplier of the safety data sheet:

Freeman Manufacturing and Supply Company
1101 Moore Road, Avon, OH 44011
Phone (440) 934-1902
FAX (440) 934-7200

24 Hour Emergency Phone Number: (800) 424-9300 CHEMTREC

Section 2 Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

Flammable Liquids, Category 2
Skin Corrosive, Category 2
Eye Corrosive, Category 2A

GHS Label elements

Signal word **Danger**

Hazard statements

Highly flammable liquid and vapor
Causes skin irritation
Causes serious eye irritation

Precautionary statements

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed when not in use.
Ground/bond container and receiving equipment.
Use explosion-proof equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Use only in a well-ventilated area.
Do not breathe fumes or vapors.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.

Section 2 Hazards Identification continued

Response

If on skin: Remove/take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower.
If inhaled: Remove person to fresh air and call doctor/physician if not feeling well.
If in eyes: Rinse continuously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. If eye irritation persists: Get medical advice/attention.
In case of fire, use alcohol resistant foam, dry chemical, carbon dioxide (CO_2) or dry sand to extinguish.

Storage

Store in a well-ventilated place. Keep cool.

Disposal

Dispose of contents and container to an appropriate waste site in accordance with local and national regulations.

Hazards not otherwise classified (HNOC) or not covered by GHS

None known

Section 3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Weight Concentration %
Acetone	67-64-1	90 - 100

Section 4 First Aid Measures

Description of first aid measures

If inhaled

Immediately move person into fresh air. If not breathing, give artificial respiration. Consult a doctor if symptoms persist.

In case of skin contact

Remove contaminated articles. Wash off with soap and plenty of water. If skin irritation continues, get medical assistance.

In case of eye contact

Remove contact lenses, if worn. Flush opened eyes thoroughly with water. Use lukewarm water if possible. Get medical attention.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water and then drink small amounts of water. Call for medical help immediately. Do not induce vomiting.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5 Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: Use alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating and in case of fire.
Mixture in sealed and heated containers may cause explosion hazard.

Section 5 Fire-Fighting Measures continued

Hazardous Combustion Products

Carbon oxides, metal oxides, nitrogen oxides. Can form explosive vapor-air mixtures. Vapors are heavier than air and may spread along floors. Vapors may travel considerable distance to source of ignition and flash back.

Advice for firefighters

Clear fire area of unprotected personnel. Containers that are exposed to intense heat should be cooled with water. Avoid spreading burning liquid with water. Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas. Avoid contact with skin and eyes. Remove all sources of ignition. Ensure adequate ventilation. Remove all non-essential people from the area. Ensure adequate ventilation. For personal protection see section 8.

Environmental precautions

Do not let product to reach sewage system or any water source.

Methods and materials for containment and cleaning up

Absorb with liquid binding material. Sweep up and shovel, using non-sparking tools. Do not flush with water or aqueous cleaners. Send for recovery or disposal in suitable receptacles according to local, State and Federal Regulations.

Section 7 Handling and Storage

Precautions for safe handling

Use normal precautions when handling flammable materials. Do not breathe fumes or vapor. Do not allow material to contact skin. Provide appropriate exhaust ventilation. Do not eat, drink, or smoke during use. See Section 8 for personal protective equipment.

Conditions for safe storage, including any incompatibilities

Store at ambient temperatures in closed containers. Store out of direct sunlight, between 40 and 90°F. This material can catch fire if overheated. Do not heat this material above the flash point. Keep away from flame and open electrical coils. Do not store with oxidizing and acidic materials.

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

Ingredient	OSHA	ACGIH	NIOSH
Acetone	1000 ppm TWA 2400 mg/m^3 TWA	500 ppm STEL 250 ppm TWA	250 ppm TWA 590 mg/m^3 TWA

Exposure controls

Appropriate engineering controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits. In areas above exposure limits use NIOSH approved mechanical filter respirator. In restricted areas use NIOSH approved chemical-mechanical filters designed to remove a combination of particulate and gas and vapor. In confined areas use NIOSH approved airline type respirators or hoods.

Section 8 Exposure Controls/Personal Protection continued

Personal protective equipment

Eye/face protection

Use safety glasses equipped with side shields. If splashes are likely to occur, wear goggles.

Skin protection

Hand Protection

Protective gloves are required for prolonged or repeated contact.
Wear resistant gloves such as natural rubber, neoprene, buna N or nitrile.
Contaminated gloves should be replaced.

Body Protection

Prevent skin contact when handling material.

Respiratory Protection

The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used.

Safety Stations

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

General Hygienic Practices

Avoid breathing vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

Section 9 Physical and Chemical Properties

Appearance	Clear Liquid
Odor	Solvent
Odor Threshold	No data available
pH	No data available
Melting Point	No data available
VOC Content	No data available
Boiling Range	56°C
Flash Point (COC)	-17°C (1°F)
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Lower Explosive Limit	3.00
Vapor Pressure	174.8 mmHg
Specific Gravity	0.782
Water Solubility	Negligible
Coefficient: n-octanol/water	No data available
Auto-ignition temperature	465°C (869°F)
Explosive Properties	No data available
Oxidizing Properties	No data available
% Volatile	100%
Coating VOC (as supplied)	0.00 lb/gal
Coating VOC (EPA calculation)	0.00 lb/gal

Section 10 Stability and Reactivity

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None known
Conditions to avoid	Heat and open flames.
Incompatible materials	Oxidizing agents, peroxides
Hazardous decomposition	Thermal oxidative decomposition can produce carbon monoxide and carbon dioxide, various hydrocarbons.

Section 11 Toxicological Information

Information on toxicological effects

Acute inhalation toxicity	LC50 50 mg/L
Skin corrosion / irritation	Irritating to eyes
Eye damage / irritation	Irritating to skin
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available

Carcinogenicity

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available

Section 12 Ecological Information

Ecotoxicity	96 Hr LC50 Oncorthynchus mykiss:4.74-6.33 mg/L 96 Hr LC50 Pimplhales promelas: 6210-812 0mg/L 96 Hr LC50 Lepomis macrochirus: 830 0mg/L 48 Hr EC50 Daphnia magna: 10294-17704 mg/L (static) 48 Hr EC50 Daphnia magna: 12600-12700 mg/L
Persistence and degradability	No further relevant information available
Bioaccumulative potential	No further relevant information available
Mobility in soil	No further relevant information available
Results of PBT & vPvB assessment	No further relevant information available

Section 13 Disposal Considerations

Disposal

The product should not be allowed to enter drains, water courses, or the soil.
Use safety containers for disposal. Contact a licensed waste management company for detailed recommendations. Follow applicable Federal, state, and local regulations.

Section 14 Transport Information

DOT Shipping Name: Acetone
Hazard Class: 3
ID No.: UN 1090
Packing Group: II

IATA Shipping Name: Acetone
Hazard Class: 3
ID No.: UN 1090
Packing Group: II

IMDG Shipping Name: Acetone
Hazard Class: 3
ID No.: UN 1090
Packing Group: II

Section 15 Regulatory Information

TSCA (Toxic Substance Control Act) Inventory Status

All ingredients listed on TSCA inventory requirements

US Federal Regulations

CERCLA Hazardous Substance (40 CFR 302.4): None
SARA 311/312 Codes: See Section 2
SARA Toxic Chemical (40 CFR 372.65): No components were identified

US State Regulations

California Proposition 65: None listed

Section 16 Other Information

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