

Material Safety Data Sheet

Freeman Jewel-Sil Clear Silicone Rubber Catalyst

Date of Preparation: June 28, 2007

Revision:

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Freeman Jewel-Sil Clear Silicone Rubber Catalyst

Chemical Family: Silicone

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 0

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R 0

PPE[†]

[†]Sec. 8

☆☆☆☆ Emergency Overview ☆☆☆☆

Mild Irritant

Section 2 - Composition / Information on Ingredients

Ingredient Name

Polydimethylsiloxane, Hydrogen end blocked

CAS Number

Proprietary

Ingredient	OSHA		ACGIH	
	TWA	STEL	TWA	STEL
Polydimethylsiloxane, hydrogen end blocked	none estab	none estab	none estab	none estab

Section 3 - Physical and Chemical Properties

Physical State: Viscous Liquid

Appearance and Odor: Clear, Alcohol-like odor.

Odor Threshold: N/A

Vapor Pressure: 20 mm Hg at 107 °C

Vapor Density (Air=1): N/A

Specific Gravity (H₂O=1, at 4 °C): 1 @25 C

pH: N/A

Water Solubility: Insoluble

Other Solubilities: N/A

Boiling Point: N/A

Freezing/Melting Point: N/A

Viscosity: N/A

% Volatile: N/A

Evaporation Rate: N/A

Section 4 - Fire-Fighting Measures

Flash Point: >392 °F (>200 °C)

Flash Point Method: PM Closed Cup

Burning Rate: N/A

Autoignition Temperature: N/D

LEL: N/A

UEL: N/A

Flammability Classification: N/A

Extinguishing Media: Dry chemical, foam, carbon dioxide

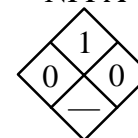
Unusual Fire or Explosion Hazards: Product will burn under fire conditions.

Hazardous Combustion Products: Under Fire Conditions: formaldehyde, oxides of carbon, silica (crystalline).

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

Fire-Fighting Equipment: Firefighters should wear NIOSH/MSHA approved self-breathing apparatus and full protective clothing. Cool containers exposed to fire with water. 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: Material is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Moisture, water, strong bases, strong acids, strong oxidizing agents.

Conditions to Avoid: Combustible materials, heat, open flame, spark, static electricity, water, extreme humidity.

Hazardous Decomposition Products: Thermal oxidative decomposition of Freeman V- 1065 Catalyst can produce
 Decomposition Type: oxidative/thermal- formaldehyde, Decomposition type: Hydrolysis- methanol, Decomposition Type:
 thermal- dimethylcyclosiloxanes, methylphenylcyclosiloxanes.

Section 6 - Health Hazard Information

Potential Health Effects

Primary Entry Routes: Eyes, Skin.

Target Organs: N/A

Acute Effects

Inhalation: Not likely to occur.

Eye: Irritant.

Skin: Slightly irritating.

Ingestion: Practically non-toxic

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

Medical Conditions Aggravated by Long-Term Exposure: No specific information found.

Emergency and First Aid Procedures

Inhalation: If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

Eye Contact: In case of contact, immediately absorb excess with clean absorbent cloth or cotton. Then hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention if irritation develops or persists or if visual changes occur.

Skin Contact: Immediately wipe excess material off skin with a dry cloth; then wash skin with plenty of soap and water. Seek medical attention if irritation develops or persists.

Ingestion: If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Special Precautions/Procedures: Treat symptomatically. No specific antidote available.

Section 7 - Spill, Leak, and Disposal Procedures

Precautions: Store below 81°F. Handling: Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes. Use nonsparking tools and grounded/bonded equipment and containers when transferring. Do not allow to freeze. Store, transfer and handle under a blanket of nitrogen. Storage: Store in tightly closed containers. Store in an area that is clean, dry, well-ventilated, away from combustible material, away from ignition sources, away from incompatible materials

Spill /Leak Procedures: Wear appropriate protective gear for the situation. See Personal Protection Information in Section 8. Caution: Spilled material may make the floor slippery. Do not leave traces of product on floors, ladders, etc., as this may present a slipping hazard.

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup: Absorb with an inert absorbent. Scrape up and place in appropriate closed container (see Section: Handling and Storage). Clean up residual material with an appropriate solvent like paint thinner or mineral spirits provided that there is good ventilation and no sources of ignition.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Disposal: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal state, and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material. Follow applicable Federal, state, and local regulations.

Disposal Regulatory Requirements: Any containers or equipment used should be decontaminated immediately after use.

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

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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)

SARA 311/312 Codes:

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.)

Inventory Status

Inventory	Status
United States (TSCA)	Y
Canada (DSL)	Y
Europe (EINECS/ELINCS)	P
Australia (AICS)	Y
Japan (MITI)	N
South Korea (KECL)	Y

Y= All ingredients are on the inventory.

E= All ingredients are on the inventory or exempt from listing.

P= One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N= Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

Federal Regulations

Inventory Issues: All functional components of this product are listed on the TSCA Inventory.

SARA Title III Hazard Classes:

Fire Hazard	-No
Reactive Hazard	-No
Release of Pressure	-No
Acute Health Hazard	-No
Chronic Health Hazard	-No

SARA 313 Chemicals

None

SARA Extremely Hazardous Substances (EHS)/CERCLA Hazardous Substances

None

State Regulations: This product does not contain any components that are regulated under California Proposition 65.

Section 8 - Exposure Controls / Personal Protection

Introductory Remarks: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 7: Disposal Considerations. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

Engineering Controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures general area dilution/exhaust ventilation.

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: When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. For reasonable foreseeable industrial end uses of this material, respiratory protection should not be necessary. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

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.

Work Practice Controls: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

1. Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
2. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3. Wash exposed skin promptly to remove accidental splashes of contact with this material.

Section 9 - Special Precautions and Comments

Handling Precautions:

Storage Requirements:

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Not Regulated

Shipping Symbols:

Hazard Class:

ID No.:

Packing Group:

Label:

Special Provisions (172.102):

Packaging Authorizations

a) **Exceptions:**

b) **Non-bulk Packaging:**

c) **Bulk Packaging:**

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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