

Section 1 Identification													
<p>Product identifiers Product names: Freeman Jewel-Sil Base</p> <p>Relevant identified uses Molding</p> <p>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</p> <p>24 Hour Emergency Phone Number: (800) 424-9300</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="padding: 2px;">HMIS</th> </tr> <tr> <td style="padding: 2px;">H</td> <td style="padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;">F</td> <td style="padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;">R</td> <td style="padding: 2px;">0</td> </tr> <tr> <td colspan="2" style="padding: 2px;">PPE</td> </tr> <tr> <td colspan="2" style="padding: 2px;">Sec. 8</td> </tr> </table>	HMIS		H	1	F	1	R	0	PPE		Sec. 8	
HMIS													
H	1												
F	1												
R	0												
PPE													
Sec. 8													
Section 2 Hazards Identification													
<p>Hazard Classification Not a hazardous substance or mixture according to GHS.</p> <p>Label Elements</p> <p>Hazard Symbol: No symbol Signal Word: No signal word Hazard Statement: Not applicable</p> <p>Precautionary Statements</p> <p>Prevention: Not applicable Response: Not applicable Storage: Not applicable Disposal: Not applicable</p> <p>Hazards not otherwise classified (HNOC) or not covered by GHS No data available</p>													
Section 3 Composition/Information on Ingredients													
<p>Composition Comments: Mixture of Polyorganosiloxanes, fillers, and additives.</p>													
Section 4 First-Aid Measures													
<p>If inhaled Under normal conditions of intended use, this material is not expected to be an inhalation hazard.</p> <p>In case of skin contact Wash skin with plenty of soap and water. Seek medical attention if irritation develops or persists.</p> <p>In case of eye contact In case of contact, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes. Seek medical attention if irritation develops or persists or if visual changes occur.</p> <p>If swallowed Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if symptoms occur.</p>													

Section 5 Fire-Fighting Measures

Suitable Extinguishing Media

Use dry chemical, alcohol resistant foam, water spray, or carbon dioxide.

Unsuitable extinguishing media

None known

Specific hazards arising from the chemical

Product will burn under fire conditions. Hazardous Decomposition Products: formaldehyde, oxides of carbon and silica.

Special Fire-Fighting Procedures

Use water spray to cool fire-exposed surfaces and to protect personnel. Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool and disperse vapors.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up

Absorb with inert material. Scrape up and place in appropriate closed container.

Notification Procedures:

Caution: Contaminated surfaces may be slippery.

Section 7 Handling and Storage

Precautions for safe handling

No specific precautions. See Section 8 of the SDS for Personal Protective Equipment.

Conditions for safe storage, including any incompatibilities

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well ventilated place.

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

None defined

Appropriate Engineering Controls

No specific recommendations.

Individual protection measures, such as personal protective equipment

General information

Provide sufficient ventilation during operations which cause vapor formation. This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air.

Respiratory Protection

No protection is ordinarily required under normal conditions of use and with adequate ventilation.

Section 8 Exposure Controls/Personal Protection continued

Hand Protection

Protective gloves are recommended.

Eye Protection

Wear approved safety glasses.

Other Protective Clothing/Equipment

Wear suitable protective clothing.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9 Physical and Chemical Properties

Appearance	Colorless viscous liquid
Odor	Odorless
Odor threshold	No data available
pH	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash Point	397°F (203°C) (Pensky-Martens Closed Cup)
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.08 at 68°F (20°C) Approximate
Water Solubility	Insoluble
Coefficient: n-octanol/ water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Oxidizing Properties	Not considered as oxidizing

Section 10 Stability and Reactivity

Reactivity:	No data available.
Chemical stability:	Stable.
Possibility of hazardous reactions:	Will not occur.
Conditions to avoid:	None known
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	This product can form formaldehyde vapors when heated to temperatures above 150°C. Thermal decomposition or combustion may liberate carbon oxides, other toxic gases or vapors and amorphous silica.

Section 11 Toxicological Information

Information on likely routes of exposure

Ingestion: No effects expected (assessment based on ingredients).
 Inhalation: No effects expected (assessment based on ingredients).
 Skin Contact: No effects expected (assessment based on ingredients).
 Eye contact: No effects expected (assessment based on ingredients).

Information on toxicological effects:

Skin Corrosion/Irritation: No effects expected (assessment based on ingredients).
 Serious Eye Damage/Irritation: No effects expected (assessment based on ingredients).
 Respiratory/Skin Sensitization: No effects expected (assessment based on ingredients).
 Germ Cell Mutagenicity: No effects expected (assessment based on ingredients).
 Carcinogenicity: No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, NTP, or OSHA.
 Reproductive Toxicity: No effects expected (assessment based on ingredients).
 Specific Target Organ Toxicity
 - Single Exposure: No effects expected (assessment based on ingredients).
 Specific Target Organ Toxicity
 - Repeated Exposure: No effects expected (assessment based on ingredients).
 Aspiration Hazard: No effects expected (assessment based on ingredients).
 Acute Toxicity: No effects expected (assessment based on ingredients).
 Chronic Exposure: No effects expected (assessment based on ingredients).
 Other Potential Health Effects: None known

Section 12 Ecological Information

Ecotoxicity No effects expected (assessment based on ingredients).
Persistence and degradability This product is not readily biodegradable.
Bioaccumulative potential This product is not bioaccumulating
Mobility in soil No data available
Other adverse effects None known

Section 13 Disposal Considerations

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Contaminated packages should be as empty as possible.

Section 14 Transport Information

Not regulated by DOT, IATA or IMDG
 UN Number: none
 UN Proper Shipping Name: none
 Transport Hazard Class(es): not applicable
 Packing Group: not applicable
 Environmental hazards: none known
 Special precautions for user: none known

Section 15 Regulatory Information

US Federal Regulations

TSCA Inventory: On or in compliance with the inventory.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpart D): None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA): None

SARA 302 Extremely Hazardous Substance: None present or none present in regulated quantities.

SARA 313 (TRI Reporting): None present or none present in regulated quantities.

SARA 311/312 Hazards: None present or none present in regulated quantities.

US State Regulations

California Proposition 65: No ingredient regulated by CA Prop 65 present.

New Jersey Worker and Community Right-to-Know Act: No ingredient regulated by NJ Right-to-Know Law present.

Massachusetts RTK - Substance List: No ingredient regulated by MA Right-to-Know Law present.

Pennsylvania RTK - Hazardous Substances: No ingredient regulated by PA Right-to-Know Law present.

Rhode Island RTK: No ingredient regulated by RI Right-to-Know Law present.

Section 16 Other Information

Disclaimer

The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.

Section 1 Identification

Product identifiers

Product names: Freeman Jewel-Sil Catalyst

Relevant identified uses

Catalyst

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

HMIS	
H	1
F	1
R	1
PPE	
Sec. 8	

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

Section 2 Hazards Identification

Hazard Classification

Health Hazards

Reproductive Toxicity, Category 2

Label Elements

Hazard Symbol



Signal word: Warning

Hazard Statement

Suspected of damaging fertility.

Precautionary Statements

Prevention: Use personal protective equipment as required.
 Response: If exposed or concerned: Get medical advice/attention.

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

Chemical compounds containing silicon - hydrogen bonds (SiH). This product may generate hydrogen gas. For further information, refer to Section 10: "Stability and Reactivity".

Section 3 Composition/Information on Ingredients

Chemical Identity	CAS number	Content in percent (%)*
Octamethylcyclotetrasiloxane	556-67-2	0.1 - 1%

Composition Comments: Mixture of Polyorganosiloxanes, fillers, additives.

Section 4 First-Aid Measures

If inhaled	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
In case of skin contact	Wash skin with plenty of soap and water. Seek medical attention if irritation develops or persists.
In case of eye contact	In case of contact, rinse thoroughly with clean water for at least 15 minutes. Seek medical attention if irritation develops or persists or if visual changes occur.
If swallowed	Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if symptoms occur.

Section 5 Fire-Fighting Measures

Suitable Extinguishing Media	Use dry chemical, alcohol resistant foam, or carbon dioxide.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire. Do not use alkaline powders.
Specific hazards arising from the chemical	This product may generate hydrogen gas. Vapors may form explosive mixtures with air. For further information, refer to Section 10: "Stability and Reactivity". Hazardous Decomposition Products: formaldehyde, oxides of carbon and silica.
Special Fire-Fighting Procedures	Use water spray to cool fire-exposed surfaces and to protect personnel. Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool and disperse vapors.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Avoid contact with alkalis and caustic products. Eliminate all sources of ignition.
Environmental precautions	Do not allow to enter drains, sewers or watercourses. Mechanically ventilate the spillage area, in order to avoid the formation of explosive concentrations.
Methods and material for containment and cleaning up	Avoid contact with alkalis and caustic products. Use non-sparking tools. Absorb with inert material. Scrape up and place in appropriate closed container.
Notification Procedures:	Caution: Contaminated surfaces may be slippery.

Section 7 Handling and Storage

Precautions for safe handling	Provide sufficient ventilation during operations which may form vapors. Do not mix with incompatible materials. For further information, refer to Section 10.
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Section 7 Handling and Storage continued

Conditions for safe storage, including any incompatibilities

Store in original vented container. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

None defined

Appropriate Engineering Controls

No specific recommendations.

Individual protection measures, such as personal protective equipment

General information: Provide sufficient ventilation during operations which cause vapor formation.

Respiratory Protection: No protection is ordinarily required under normal conditions of use and with adequate ventilation.

Hand Protection: Protective gloves are recommended.

Eye Protection: Wear approved safety glasses.

Other Protective Clothing/Equipment: Wear suitable protective clothing.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9 Physical and Chemical Properties

Appearance	Colorless slightly viscous liquid
Odor	Slight odor
Odor threshold	No data available
pH	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash Point	>392°F (200°C) (Pensky-Martens Closed Cup)
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability	74%(V) Hydrogen/4%(V) Hydrogen
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.04 at 68°F (20°C)
Water Solubility	Insoluble
Coefficient: n-octanol/ water	No data available
Auto-ignition temperature	932°F (500°C) Hydrogen
Decomposition temperature	No data available
Viscosity	Approximately 4,000 cP at 77°F (25°C)
Oxidizing Properties	Not considered as oxidizing

Section 10 Stability and Reactivity

Reactivity:	No data available.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	This product may generate hydrogen.
Conditions to avoid:	Avoid heat, sparks, open flames and other ignition sources.
Incompatible materials:	A fire or explosion hazard arises because highly flammable gas (hydrogen) is released when it is in contact with: Strong oxidizers, strong bases and chemical compounds with mobile hydrogen, in the presence of metal salts and complexes.
Hazardous decomposition products:	This product can form formaldehyde vapors when heated to temperatures above 150°C. Thermal decomposition or combustion may liberate carbon oxides, other toxic gases or vapors and amorphous silica. Quantity of hydrogen potentially released (l/kg of product): ~38

Section 11 Toxicological Information

Information on likely routes of exposure	
Ingestion:	No data available
Inhalation:	No data available
Skin Contact:	No data available
Eye contact:	No data available
Information on toxicological effects:	
Skin Corrosion/Irritation:	No data available
Serious Eye Damage/Irritation:	No data available
Respiratory/Skin Sensitization:	No data available
Germ Cell Mutagenicity:	No data available
Carcinogenicity:	No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, NTP, or OSHA.
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
Acute Toxicity:	No data available
Chronic Exposure:	No data available
Other Potential Health Effects:	None known

Section 12 Ecological Information

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	None known

Section 13 Disposal Considerations

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Waste of this material should not be mixed with other waste. Provide measures such as vented bungs to ensure pressure relief in the waste container.

Section 14 Transport Information

Not regulated by DOT, IATA or IMDG
UN Number: none
UN Proper Shipping Name: none
Transport Hazard Class(es): not applicable
Packing Group: not applicable
Environmental hazards: none known

Special precautions for user:

Packaging with a breathing/venting bung are FORBIDDEN for transport by air.

Section 15 Regulatory Information

US Federal Regulations

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