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Freeman Jewel-Sil Part A (Base)

Section 1 Identification

Product identi	fiers			
	t names: Freeman Jewel-	Sil Clear Silicone R	ubber Part A (Base)	
Relevant ident			TV) cilicono mulhor compound	
	mponent, room temperated specifically for mold m	0 (RTV) silicone rubber compound,	
	supplier of the Safety Da			
	n Manufacturing & Suppl			
	oore Road, Avon, OH 440)11		
	(440) 934-1902		24 Hour Emergency Phone N	umber:
Email C	ontactus@freemansuppl	y.com	(800) 424-9300	
		Section 2 Haza	ards Identification	
GHS Classificat	tion in accordance with	29 CFR 1910.12(00 (OSHA HCS)	
	Reproduction, Category			
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	ent: H361f: Suspected of	i uamaging fertility	у.	
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Freeman Jewel-Sil Part A (Base)

Section 5 Fire-Fighting Measures

Suitable Extinguishing Media

Suitable: Use dry chemical, alcohol resistant foam, carbon dioxide, dry sand, or water spray. **Unsuitable:** Do not use water jet. Do not use alkaline powders.

Specific hazards arising from the chemical

Product will burn under fire conditions. This product may generate hydrogen gas. Vapors may form explosive mixtures with air. Thermal decomposition or combustion may liberate oxides of carbon and silica, and other toxic gases or vapors.

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

Follow safe handling advice and personal protective equipment recommendations. Provide good ventilation. Prevent further leakage or spillage if safe to do so. Avoid contact with alkalis and caustic products. Caution: Contaminated surfaces may be slippery.

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up

Absorb with sand or other inert absorbent. Shovel up and place in a container for salvage or disposal. Dispose of residue in accordance with regulations in force.

Section 7 Handling and Storage

Precautions for safe handling

No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the SDS for additional personal protection advice when handling this product. In case of spills, beware of slippery floors and surfaces. 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.

Conditions for safe storage, including any incompatibilities

Store in accordance with local/regional/national regulations. Store in tightly closed original container in a dry and cool place.

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters: None defined

Appropriate Engineering Controls

Use engineering controls to reduce air contamination to permissible exposure level. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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.



Freeman Jewel-Sil Part A (Base)

Section 8 Exposure Controls/Personal Protection

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			
рН	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			
Density	Approximately 1.08 kg/dm³at 68°F (20°C)			
Water Solubility	Insoluble (hydrophobic)			
Coefficient: n-octanol/ water	No data available			
Auto-ignition temperature	No data available			
Decomposition temperature	No data available			
Viscosity	Approximately 4,000 cP at 77°F (25°C)			
Oxidizing Properties	Not considered as oxidizing			
Sect	ion 10 Stability and Reactivity			
D				
Reactivity:	No data available.			
Chemical stability:	Material is stable under normal conditions.			
Possibility of hazardous reactions:	Will not occur.			
Conditions to avoid:	No other information noted.			
Incompatible materials:	Strong oxidizers			
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 toxicological effects:				
Acute Toxicity:	Not classified for acute toxicity based on available data.			
Chronic Exposure:	No data available			
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			



Freeman Jewel-Sil Part A (Base)

	Freeman Jewel-Sil Part A (Base)
Secti	on 11 Toxicological Information
Carcinogenicity:	No component of this product at levels greater than or equal to
Carcinogenicity.	0.1% is identified as a carcinogen or potential carcinogen by IARC,
	NTP, or OSHA.
Reproductive Toxicity:	Suspected of damaging unborn child.
Reproductive romenty:	OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
	Fertility study 2 generations: NOAEL (parent): 3.64 mg/l; NOAEL (F1):
	3.64 mg/l ; NOAEL (F2): None. (Rat ; Female, Male ; Inhalation) ; Methods
	Similar to OECD 416 ; Effects on fertility
Specific Target Organ Toxicity	
-Single Exposure:	No data available
Specific Target Organ Toxicity	
-Repeated Exposure:	No data available
Aspiration Hazard:	No data available
Sec	tion 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	No data available
Sect	ion 13 Disposal Considerations
	reatment and disposal facility in accordance with applicable laws ceristics at time of disposal. Waste of this material should not be
Sec	tion 14 Transport Information
DOT, IATA or IMDG/IMO	
Not regulated.	
Sort	tion 15 Regulatory Information
360	
nventory Status	
	On or in compliance with the inventory.
Canada DSL Inventory List: On or in co	
China Inv. Existing Chemical Substanc	
Japan (ENCS) List: On or in complianc	
	On or in compliance with the inventory.
	On or in compliance with the inventory.
Philippines PICCS: On or in complianc	
	<i>y</i> : On or in compliance with the inventory.
US TSCA Inventory: On or in complian	
	: On or in compliance with the inventory.
EINECS, ELINCS or NLP: On or in com	



Freeman Jewel-Sil Part A (Base)

Section 15 Regulatory Information

US Federal Regulations 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): Reactive 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: Reproductive toxicity **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 Rl Right-to-Know Law present. **Section 16 Other Information**

NFPA:



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.

Date of Previous Revision: November 15, 2018



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Freeman Jewel-Sil Part B (Catalyst)

Section 1 Identification

Product identifiers	Cil Clean Cilianna D	when any Dout D (Catalant)		
Product names: Freeman Jewel- Relevant identified uses	SII Clear Silicone R	ubber Part B (Catalyst)		
Two component, room tempera	ture vulcanizing (R	TV) silicone rubber compound,		
designed specifically for mold m				
Details of the supplier of the Safety D				
Freeman Manufacturing & Supp				
1101 Moore Road, Avon, OH 44	011	24 Hours Freedrace as Dhou	n o Nuumb ou	
Phone (440) 934-1902 Email contactus@freemansuppl	v com	24 Hour Emergency Pho (800) 424-9300	ne Number:	
Linan contactus@nccmansupp	ly.com	(000) 121 9300		
	Section 2 Haza	rds Identification		
GHS Classification in accordance with		0 (OSHA HCS)		
Toxic to Reproduction, Category				
GHS Label elements, including precau	itionary statemen	ts		
Danger				
Danger	ugo fortility Suspect	red of damaging the unbern child	4	
Hazard Statement: H360Fd: May dama	ige fertility. Suspect	ed of damaging the unborn child	1.	
Hazard Statement: H360Fd: May dama Precautionary Statements			1.	
Hazard Statement: H360Fd: May dama Precautionary Statements Prevention: P281: Use personal	protective equipm	ent as required.	1.	
Hazard Statement: H360Fd: May dama Precautionary Statements Prevention: P281: Use personal Response: P308+P313: If expos	protective equipm ed or concerned: Ge	ent as required. et medical advice/attention.	d.	
Hazard Statement: H360Fd: May dama Precautionary Statements Prevention: P281: Use personal Response: P308+P313: If expos Hazards not otherwise classified (HN	protective equipmed or concerned: Ge	ent as required. et medical advice/attention. d by GHS		
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Hazard Statement: H360Fd: May dama Precautionary Statements Prevention: P281: Use personal Response: P308+P313: If expose Hazards not otherwise classified (HN Chemical compounds containin hydrogen gas. For further infor	protective equipmed or concerned: Ge OC) or not covere g silicon - hydroge rmation, refer to Se	ent as required. et medical advice/attention. d by GHS en bonds (SiH). This product m ection 10: "Stability and Reactiv	ay generate	
Hazard Statement: H360Fd: May dama Precautionary Statements Prevention: P281: Use personal Response: P308+P313: If expose Hazards not otherwise classified (HN Chemical compounds containin hydrogen gas. For further infor	protective equipmed or concerned: Ge OC) or not covere g silicon - hydroge rmation, refer to Se	ent as required. et medical advice/attention. d by GHS en bonds (SiH).This product m	ay generate	
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Hazard Statement: H360Fd: May dama Precautionary Statements Prevention: P281: Use personal Response: P308+P313: If expose Hazards not otherwise classified (HN Chemical compounds containin hydrogen gas. For further infor Section	protective equipmed ed or concerned: Ge OC) or not covere g silicon - hydroge rmation, refer to Se n 3 Composition/I	ent as required. et medical advice/attention. d by GHS en bonds (SiH). This product m ection 10: "Stability and Reactive Information on Ingredients	ay generate vity". Concentration	
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Freeman Jewel-Sil Part B (Catalyst)

Section 5 Fire-Fighting Measures

Suitable Extinguishing Media

Suitable: Use dry chemical, alcohol resistant foam, carbon dioxide, dry sand, or water spray. **Unsuitable:** Do not use water jet. Do not use alkaline powders.

Specific hazards arising from the chemical

Product will burn under fire conditions. This product may generate hydrogen gas. Vapors may form explosive mixtures with air. Thermal decomposition or combustion may liberate oxides of carbon and silica, and other toxic gases or vapors.

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

Follow safe handling advice and personal protective equipment recommendations. Provide good ventilation. Remove all possible sources of ignition in the surrounding area. Prevent further leakage or spillage if safe to do so. Avoid contact with alkalis and caustic products. Caution: Contaminated surfaces may be slippery.

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up

Absorb with sand or other inert absorbent. Materials in contact with water, moisture, acids or bases have the potential to generate hydrogen gas. Use clean non-sparking tools to collect absorbed material. Shovel up and place in a container for salvage or disposal. Recovered material should be stored in a vented container. Dispose of residue in accordance with regulations in force.

Section 7 Handling and Storage

Precautions for safe handling

Precautions: This product may generate hydrogen gas. Keep away from ignition source. Empty container after use should be stored in separate area, and be disposed after degassing completely. Handle and open container with care. Take precautionary measures against static discharges. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Avoid inhalation of vapors/aerosols/dusts and contact with skin and eyes. Use mechanical ventilation in case of handling which causes formation of vapors. If ventilation is insufficient, suitable respiratory protection must be provided. See Section 8 of the SDS for Personal Protective Equipment. Do not mix with incompatible materials. For further information, refer to section 10: "Stability and Reactivity". Take care to prevent spills, waste and minimize release to the environment. In case of spills, beware of slippery floors and surfaces. Contact Elkem Silicones for additional publications on the safe handling of SiH Product.

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.



Freeman Jewel-Sil Part B (Catalyst)

Section 7 Handling and Storage continued

flames, and high temperatures. Fo original tightly closed container, e flammable hydrogen gas which ca flammability limits and exposure g build up. Take care to always ensu transportation, handling or storag	any incompatibilities gional/national regulations. Avoid discharge into drains, water courses or onto ce with adequate ventilation. Keep away from incompatible materials, open r further information, refer to section 10: "Stability and Reactivity". Store in quipped with a degassing device. Product may evolve minute quantities of n accumulate. Adequately ventilate to maintain vapors well below guidelines. Do not repackage. Clogged container vents may increase pressure ire that drums are kept in their upright position at any time during e since laid down drums could result in clogged exhaust valves. Keep in ect against physical damage and/or friction.
Section	8 Exposure Controls/Personal Protection
been established, maintain airborn Individual protection measures, such General information: Provide s Respiratory Protection: No prot adequate ventilation. Hand Protection: Protective glow Eye Protection: Wear approved s Other Protective Clothing/Equ Hygiene measures Always observe good personal hy eating, drinking, and/or smoking contaminants.	e air contamination to permissible exposure level. If exposure limits have not ne levels to an acceptable level. as personal protective equipment ufficient ventilation during operations which cause vapor formation. tection is ordinarily required under normal conditions of use and with res are recommended. safety glasses. ipment: Wear suitable protective clothing. ygiene measures, such as washing after handling the material and before g. Routinely wash work clothing and protective equipment to remove
Secti	on 9 Physical and Chemical Properties
Appearance Odor	Colorless slightly viscous liquid Slight No data available



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Section 10 Stability and Reactivity		
Reactivity: Chemical stability : Possibility of hazardous reactions:	No data available. Material is stable under normal conditions. This product may generate hydrogen.	
Conditions to avoid: Incompatible materials:	Avoid heat, sparks, open flames and other ignition sources. 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	
Hazardous decomposition products:	presence of metal salts and complexes. 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) <43	
Sectio	on 11 Toxicological Information	
Information on toxicological effects:		
Acute Toxicity: Chronic Exposure:	Not classified for acute toxicity based on available data. 24,6,8-TETRAMETHYL-2,4,6,8-TETRAVINYLCYCLOTETRASILOXANE (2554- 06-5): NOAEL: 15 mg/kg; LOAEL: 150 mg/kg; (Rat; Female, Male; 13 Weeks; Gavage (Oral)); Target Organ(s): ovaries ; Method: OECD 408	
Skin Corrosion/Irritation: Serious Eye Damage/Irritation: Respiratory/Skin Sensitization: Germ Cell Mutagenicity:	Based on available data, classification criteria are not met. Based on available data, classification criteria are not met. Based on available data, classification criteria are not met. 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:	May damage fertility. Suspected of damaging unborn child. 24,6,8-TETRAMETHYL-2,4,6,8-TETRAVINYLCYCLOTETRASILOXANE (2554- 06-5): Reproduction/developmental toxicity screening test: NOAEL (parent): 15 mg/kg; NOAEL (F1): 150 mg/kg; NOAEL (F2): None. (Rat; Gavage (Oral)); Method: OECD 421; Effects on fertility NOAEL (terato): 100 mg/kg; NOAEL (mater): 100 mg/kg (Rat; Gavage (Oral)); Method: OECD 414; Embryo-foeto / Teratogenic effects have been observed.	
Specific Target Organ Toxicity - Single Exposure: Specific Target Organ Toxicity	Not classified	
- Repeated Exposure: Aspiration Hazard:	Not classified Not classified	
Sec	tion 12 Ecological Information	
Ecotoxicity	No data available	
Persistence and degradability	No data available	
Bioaccumulative potential	No data available	
Mobility in soil Other adverse effects	No data available	
	No data available	



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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

DOT, IATA or IMDG/IMO

Not regulated.

Special precautions for user

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

Section 15 Regulatory Information

Inventory Status

Australia Industrial Chem. Act (AIIC): On or in compliance with the inventory.

Canada DSL Inventory List: On or in compliance with the inventory.

China Inv. Existing Chemical Substances:

Japan (ENCS) List: On or in compliance with the inventory.

Korea Existing Chemicals Inv. (KECI): On or in compliance with the inventory.

New Zealand Inventory of Chemicals: On or in compliance with the inventory.

Philippines PICCS: On or in compliance with the inventory.

Taiwan Chemical Substance Inventory: On or in compliance with the inventory.

US TSCA Inventory: On or in compliance with the inventory.

Vietnam National Chemical Inventory: On or in compliance with the inventory.

EINECS, ELINCS or NLP: On or in compliance with the inventory.

US Federal Regulations

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): Reactive

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: Reproductive toxicity

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 Rl Right-to-Know Law present.



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Section 16 Other Information

NFPA:



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.

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