

Safety Data Sheet

Fre-Sil RTV 60 Part A (Base)

Section 1 Identification

Product identifiers

Fre-Sil RTV 60 Silicone Rubber Part A (Base)

Relevant identified uses

Two component, room temperature vulcanizing (RTV) silicone rubber compound designed specifically for mold making. For industrial and professional use only.

Details of the supplier of the Safety Data Sheet

Freeman Manufacturing & Supply Company
1101 Moore Road, Avon, OH 44011-4043 USA
Telephone: +1 (440) 934-1902
Email: contactus@freemansupply.com

24-Hour Emergency Number:
CHEMTREC +1 (800) 424-9300

Section 2 Hazards Identification

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

Not classified

Label elements

None required

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

None known

Additional information

This product contains crystalline silica which is hazardous if it is inhaled. However, in this product, the silica is wetted out with various polyorganosiloxanes to where it is no longer in powder form, meaning it is incapable of becoming airborne under normal use conditions. Because the product is a mixture, the majority of the data used was transferred from the safety data sheets of the product's hazardous ingredients, whose manufacturer identity we wish to remain anonymous for competitive reasons.

Section 3 Composition/Information on Ingredients

Mixture

Ingredient Name	CAS Number	Concentration (% by weight)
Quartz	14808-60-7	30-40

Quartz or crystalline silica is considered to be a nuisance dust. All hazards associated with the substance are only applicable when the substance is in its respirable form. However, crystalline silica is not expected to be hazardous when compounded into a liquid polymer like its current state in this product because it is no longer respirable under normal conditions. Therefore, all hazards associated with respirable quartz are not listed.

Section 4 First-Aid Measures

Inhalation: Under normal conditions of intended use, material is not expected to be an inhalation hazard. Remove to fresh air.

Skin Contact: Remove contaminated clothing immediately and dispose of safely. When in contact with the skin, clean with soap and water. Seek medical attention if irritation develops.

Eye Contact: Immediately rinse thoroughly with clean, cool water for at least 15 minutes. Seek medical attention if irritation develops or persists or if visual changes occur.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly. Get medical attention.

Section 5 Fire-Fighting Measures**Suitable Extinguishing Media**

Use dry chemical, alcohol resistant foam, carbon dioxide.

Specific hazards arising from the chemical

Fire will form hazardous combustion gases of carbon dioxide (CO₂), carbon monoxide (CO), SiO₂, and oxides of nitrogen (NO_x). Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150°C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard

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**

Safety glasses and gloves are suggested to prevent eye and skin contact. Provide good ventilation. Prevent further leakage or spillage if safe to do so. 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. Scrape 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.

Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry and cool place. Keep away from oxidizing materials.

Section 8 Exposure Controls/Personal Protection**Components with workplace control parameters**

Quartz (CAS 14808-60-7) For respirable dust – TWA: 0.025 mg/m³ (ACGIH), 0.3 mg/m³ (OSHA)

Appropriate engineering controls

None available

Individual protection measures, such as personal protective equipment

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 or goggles.

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	Flowable paste
Odor	Odorless
Odor threshold	No data available
pH	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash point	>205°F (>96°C) (Seta)
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability	No data available
Vapor pressure	<0.1 mbar at 68°F
Vapor density	No data available
Density	1.36 g/mL
Water solubility	Insoluble
Coefficient: n-octanol/ water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	>302°F (>150°C)
Viscosity	53,000 cP

Section 10 Stability and Reactivity

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 acids, alkalis, and oxidizers

Hazardous decomposition products: Carbon dioxide (CO₂), carbon monoxide (CO), silicon dioxide (SiO₂), and oxides of nitrogen (NO_x). Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150°C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard

Section 11 Toxicological Information

Acute Toxicity: Oral – LD50(Rat): 8186 mg/kg (calculated from known toxicities)

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: Quartz as a respirable dust is listed by IARC and NTP to cause cancer in humans

Reproductive Toxicity: No data available

Specific Target Organ Toxicity - Single Exposure: No data available

Specific Target Organ Toxicity - Repeated Exposure: No data available

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

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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.

Section 14 Transport Information

DOT / IATA / IMDG: Not regulated.

Section 15 Regulatory Information

US Federal Regulations

Toxic Substances Control Act (TSCA) Inventory Status: Listed
Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 Extremely Hazardous Substance: None present or none present in regulated quantities.
SARA 313 (TRI Reporting): None present or none present in regulated quantities.

Section 16 Other Information

HMIS: Health = 1, Fire = 0, Reactive = 0

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.

Initial release date: April 30, 2025

Date of previous revision: Not applicable

Current revision date: April 30, 2025

Safety Data Sheet

Fre-Sil RTV 60 Part B (Catalyst)

Section 1 Identification

Product identifiers

Fre-Sil RTV 60 Silicone Rubber Part B (Catalyst)

Relevant identified uses

Curing agent for two component, room temperature vulcanizing (RTV) silicone rubber compound designed specifically for mold making. For industrial and professional use only.

Details of the supplier of the Safety Data Sheet

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Section 2 Hazards Identification

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

Not classified

Label elements

None required

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

None known

Additional information

None known

Section 3 Composition/Information on Ingredients

Mixture

Ingredient Name	CAS Number	Concentration (% by weight)
No hazardous ingredients	N/A	N/A

Section 4 First-Aid Measures

Inhalation: Under normal conditions of intended use, material is not expected to be an inhalation hazard. Remove to fresh air.

Skin Contact: Remove contaminated clothing immediately and dispose of safely. When in contact with the skin, clean with soap and water. Seek medical attention if irritation develops.

Eye Contact: Immediately rinse thoroughly with clean, cool water for at least 15 minutes. Seek medical attention if irritation develops or persists or if visual changes occur.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly. Get medical attention.

Section 5 Fire-Fighting Measures

Suitable Extinguishing Media

Use dry chemical, alcohol resistant foam, carbon dioxide.

Specific hazards arising from the chemical

Fire will form hazardous combustion gases of carbon dioxide (CO₂), carbon monoxide (CO), SiO₂, and oxides of nitrogen (NO_x). Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150°C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard

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Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Safety glasses and gloves are suggested to prevent eye and skin contact. Provide good ventilation. Prevent further leakage or spillage if safe to do so. 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. Scrape 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.

Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry and cool place. Keep away from oxidizing materials.

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

None

Appropriate engineering controls

None available

Individual protection measures, such as personal protective equipment

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 or goggles.

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	Liquid
Odor	Odorless
Odor threshold	No data available
pH	Not applicable
Freezing point	No data available

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Section 9 Physical and Chemical Properties

Boiling point	No data available
Flash point	>205°F (>96°C) (Seta)
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability	No data available
Vapor pressure	<0.1 mbar at 68°F
Vapor density	No data available
Density	1.0 g/mL
Water solubility	Insoluble
Coefficient: n-octanol/ water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	>302°F (>150°C)
Viscosity	3,300 cP

Section 10 Stability and Reactivity

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 acids, alkalis, and oxidizers

Hazardous decomposition products: Carbon dioxide (CO₂), carbon monoxide (CO), silicon dioxide (SiO₂), and oxides of nitrogen (NO_x). Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150°C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard

Section 11 Toxicological Information

Acute Toxicity: 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

Carcinogenicity: No data available

Reproductive Toxicity: No data available

Specific Target Organ Toxicity - Single Exposure: No data available

Specific Target Organ Toxicity - Repeated Exposure: No data available

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

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