

Print-Sil 40 Pad Printing Silicone Part A (Base)

**Section 1 Identification**

**Product identifiers**

Print-Sil 40 Pad Printing Silicone Part A (Base)

**Relevant identified uses and restrictions**

Base resin of a two-part silicone rubber compound designed specifically for pad printing.  
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 US  
Telephone: +1 800 321-8511  
Email: contactus@freemansupply.com

**24-Hour Emergency Number:**  
**CHEMTREC: 1 800 424-9300**  
**International: +1 703 741-5500**

**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

**Section 3 Composition/Information on Ingredients**

**Mixture**

Hazardous Components	CAS Number	Concentration (% by weight)
None	N/A	N/A

**Section 4 First-Aid Measures**

**Inhalation:** Remove to fresh air if irritation occurs and seek medical attention. Provide oxygen or artificial respiration if needed.

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

**Eye Contact:** Immediately rinse eyes 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 (CO<sub>2</sub>), and carbon monoxide (CO). 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.

## Print-Sil 40 Pad Printing Silicone Part A (Base)

### Section 6 Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Wear safety glasses and gloves to prevent eye and skin contact. Provide sufficient ventilation. Prevent further leakage or spillage if safe to do so. Caution: Contaminated surfaces may be slippery.

**Environmental precautions:** Do not allow product to enter drains, sewers, or watercourses.

**Methods and material for containment and cleaning up:** Absorb with dry sand, clay, or other inert absorbent. Scrape up into containers, and dispose of in accordance with applicable laws and regulations.

### Section 7 Handling and Storage

**Precautions for safe handling:** Wear protective equipment; Avoid contact with skin and eyes. Follow good hygiene practices. See Section 8 of the SDS for additional information.

**Conditions for safe storage, including any incompatibilities:** Store in the original unopened containers at temperatures below 80°F (27°C). Store 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:** Provide local exhaust or general room ventilation.

**Respiratory protection:** Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black cartridge) respirator.

**Hand protection:** Wear protective gloves, Neoprene or nitrile rubber gloves are recommended.

**Eye protection:** Wear approved safety glasses or goggles. Face shield if situation requires.

**Other protective clothing/equipment:** Wear suitable protective clothing. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**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

<b>Appearance</b>	Translucent flowable paste
<b>Odor</b>	Odorless
<b>Odor threshold</b>	No data available
<b>pH</b>	Not applicable
<b>Freezing point</b>	No data available
<b>Boiling point</b>	No data available
<b>Flash point</b>	>205°F (>96°C) (Seta)
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/lower flammability</b>	No data available
<b>Vapor pressure</b>	<0.1 mbar at 68°F
<b>Vapor density</b>	No data available
<b>Density</b>	1.1 g/mL
<b>Water solubility</b>	Insoluble
<b>Coefficient: n-octanol/ water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	>302°F (>150°C)
<b>Viscosity</b>	No data available

Print-Sil 40 Pad Printing Silicone Part A (Base)

**Section 10 Stability and Reactivity**

**Reactivity:** Product is designed to react with a silicone hydride curing agent in the presence of a platinum catalyst.

**Chemical stability:** Material is stable under normal conditions in the absence of contamination.

**Hazardous reactions:** None

**Conditions to avoid:** No information noted.

**Incompatible materials:** Strong acids, alkalis, and oxidizers

**Hazardous decomposition products:** Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), silicon dioxide (SiO<sub>2</sub>). 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:** Not classified

**Serious Eye Damage/Irritation:** Not classified

**Respiratory/Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Contains no known carcinogens above the reportable 0.1% threshold

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (STOT)- Single Exposure:** Not classified

**Specific Target Organ Toxicity (STOT)- Repeated Exposure:** Not classified

**Aspiration Hazard:** Not classified

**Section 12 Ecological Information**

**Ecotoxicity:** Do not allow to enter soil, waterways or wastewater. Do not allow release into sewers/sewage treatment plants. Ecological data is not available.

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**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. Do not dispose of waste into sewer. Waste of this material should not be mixed with other waste. Avoid release to the environment.

**Section 14 Transport Information**

**DOT / IATA / IMDG:** Not regulated.

**Section 15 Regulatory Information**

**Toxic Substances Control Act (TSCA) Inventory Status:** These materials or all of their contents are 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.

**Canadian DSL/NDSL:** The components of this product are on the DSL or NDSL Inventories.

Print-Sil 40 Pad Printing Silicone Part A (Base)

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: January 30, 2026

Date of previous revision: Not applicable

Current revision date: January 30, 2026

**Print-Sil 40 Pad Printing Silicone Part B (Catalyst)**

**Section 1 Identification**

**Product identifiers**

Print-Sil 40 Pad Printing Silicone Part B (Catalyst)

**Relevant identified uses**

Catalyst of a two-part silicone rubber compound designed specifically for pad printing.  
 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 US  
 Telephone: +1 800 321-8511  
 Email: contactus@freemansupply.com

**24-Hour Emergency Number:**  
**CHEMTREC: 1 800 424-9300**  
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**Section 2 Hazards Identification**

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

Acute toxicity, oral – Category 4  
 Reproductive toxicity – Category 2

**Label elements**



Warning

**Hazard Statements**

H302 Harmful if swallowed.  
 H361 Suspected of damaging fertility or the unborn child.

**Precautionary Statements**

P203 Obtain, read and follow all safety instructions before use.  
 P264 Wash thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P280 Wear protective gloves/protective clothing/eye protection.  
 P301+P317 IF SWALLOWED: Get medical help.  
 P330 Rinse mouth.  
 P318 if exposed or concerned, get medical advice.  
 P405 Store locked up.  
 P501 Dispose of contents/container through a waste management company authorized by the local government.

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

None known

**Section 3 Composition/Information on Ingredients**

**Mixture**

Hazardous Components	CAS Number	Concentration (% by weight)
Hydride terminated polydimethylsiloxane (PDMS)	70900-21-9	3-5
Octamethylcyclotetrasiloxane	556-67-2	0.1-0.3

## Print-Sil 40 Pad Printing Silicone Part B (Catalyst)

**Section 4 First-Aid Measures**

**Inhalation:** Remove to fresh air if irritation occurs and seek medical attention. Provide oxygen or artificial respiration if needed.

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

**Eye Contact:** Immediately rinse eyes 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 (CO<sub>2</sub>), and carbon monoxide (CO). 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:** Wear safety glasses and gloves to prevent eye and skin contact. Provide sufficient ventilation. Prevent further leakage or spillage if safe to do so. Caution: Contaminated surfaces may be slippery.

**Environmental precautions:** Do not allow product to enter drains, sewers, or watercourses.

**Methods and material for containment and cleaning up:** Absorb with dry sand, clay, or other inert absorbent. Scrape up into containers, and dispose of in accordance with applicable laws and regulations.

**Section 7 Handling and Storage**

**Precautions for safe handling:** Wear protective equipment; Avoid contact with skin and eyes. Follow good hygiene practices. See Section 8 of the SDS for additional information.

**Conditions for safe storage, including any incompatibilities:** Store in the original unopened containers at temperatures below 80°F (27°C). Store in a dry and cool place. Keep away from oxidizing materials.

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

Occupational Exposure Limit (AIHA): Octamethylcyclotetrasiloxane (556-57-2) WEEL TWA = 10 ppm

**Appropriate engineering controls:** Provide local exhaust or general room ventilation.

**Respiratory protection:** Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black cartridge) respirator.

**Hand protection:** Wear protective gloves, Neoprene or nitrile rubber gloves are recommended.

**Eye protection:** Wear approved safety glasses or goggles.

**Other protective clothing/equipment:** Wear suitable protective clothing. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**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.

Print-Sil 40 Pad Printing Silicone Part B (Catalyst)

**Section 9 Physical and Chemical Properties**

Appearance	Translucent liquid
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	1.0 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	10,000 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 (CO<sub>2</sub>), carbon monoxide (CO), silicon dioxide (SiO<sub>2</sub>), and oxides of nitrogen (NO<sub>x</sub>). 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:** Not classified

Hazardous Component	LD50 Oral - Rat	LD50 Dermal - Rat	LC50 Inhalation - Rat
Octamethylcyclotetrasiloxane (556-57-2)	1540 mg/kg	2400 mg/kg	36 mg/l

**Skin Corrosion/Irritation:** Not classified  
**Serious Eye Damage/Irritation:** Not classified  
**Respiratory/Skin Sensitization:** Not classified  
**Germ Cell Mutagenicity:** Not classified  
**Carcinogenicity:** Contains no known carcinogens above the reportable 0.1% threshold  
**Reproductive Toxicity:** Suspected of damaging fertility or the unborn child.  
**Specific Target Organ Toxicity (STOT)- Single Exposure:** Not classified  
**Specific Target Organ Toxicity (STOT)- Repeated Exposure:** Not classified  
**Aspiration Hazard:** Not classified

Print-Sil 40 Pad Printing Silicone Part B (Catalyst)

**Section 12 Ecological Information**

**Ecotoxicity:** Do not allow to enter soil, waterways or wastewater. Do not allow release into sewers/sewage treatment plants.

Hazardous Component	LC50 - Fish	EC50 - Crustacea	LC50 - Fish
Octamethylcyclotetrasiloxane (556-57-2)	> 500 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)	> 15 µg/l Test organisms (species): Daphnia magna	> 1000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No information on product

Hazardous Component	Partition coefficient n-octanol/water (Log Pow)
Hydride terminated polydimethylsiloxane (PDMS) (70900-21-9)	4.84
Octamethylcyclotetrasiloxane (556-57-2)	5.1

**Mobility in soil:** No data available

**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. Do not dispose of waste into sewer. Waste of this material should not be mixed with other waste. Avoid release to the environment.

**Section 14 Transport Information**

**DOT / IATA / IMDG:** Not regulated.

**Section 15 Regulatory Information**

**Toxic Substances Control Act (TSCA) Inventory Status:** These materials or all of their contents are listed Contains chemical subject to TSCA 12b export notification if product is shipped outside the U.S:

Octamethylcyclotetrasiloxane (556-67-2)

**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.

**Canadian DSL/NDSL:** The components of this product are on the DSL or NDSL Inventories.

**Section 16 Other Information**

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

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**Section 16 Other Information**

Initial release date: January 30, 2026  
Date of previous revision: Not applicable  
Current revision date: January 30, 2026