

Print-Sil 20 Pad Printing Silicone Part A (Base)

Section 1 Identification

Product identifiers

Print-Sil 20 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 (CO₂), 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 20 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

Occupational Exposure Limit: Not established

Appropriate engineering controls

Provide local exhaust or general room ventilation.

Individual protection measures, such as personal protective equipment

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.

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	1.1 g/mL
Water solubility	Insoluble
Coefficient: n-octanol/ water	No data available

Print-Sil 20 Pad Printing Silicone Part A (Base)

Section 9 Physical and Chemical Properties

Auto-ignition temperature	No data available
Decomposition temperature	>302°F (>150°C)
Viscosity	Approximately 53,000 cP

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 (CO₂), carbon monoxide (CO), silicon dioxide (SiO₂). 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

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.

Print-Sil 20 Pad Printing Silicone Part A (Base)

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.
California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986): None
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

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 20 Pad Printing Silicone Part B (Catalyst)

Section 1 Identification

Product identifiers

Print-Sil 20 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
International: +1 703 741-5500

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 20 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 (CO₂), 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.

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.

Individual protection measures, such as personal protective equipment

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.

Print-Sil 20 Pad Printing Silicone Part B (Catalyst)

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	Blue 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	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: 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

Print-Sil 20 Pad Printing Silicone Part B (Catalyst)

Section 11 Toxicological Information

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

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.

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)
Octamethylcyclotetrasiloxane (556-57-2)	5.1
Hydride terminated polydimethylsiloxane (PDMS) (70900-21-9)	4.84

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

US Federal Regulations

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.
California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986): None
Canadian DSL/NDSL: The components of this product are on the DSL or NDSL Inventories.

Print-Sil 20 Pad Printing Silicone Part B (Catalyst)**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