

MSDS - Material Safety Data Sheet**Product Name: Liquid Silicone Positive Compound****MSDS No.: LSP001****I. Basic Information:****Manufacturer:** Sirchie Finger Print Laboratories**Address:** 100 Hunter Place**City, ST Zip:** Youngsville, NC 27596**Emergency Contact:** ChemTrec**Emergency Telephone Number:** 800-424-9300**Contact:** Tech Support**Information Telephone Number:** 919-554-2244**Last Update:** 01/27/2011**Expiration Date:****Chemical State:** Liquid Gas Solid**Chemical Type:** Pure Mixture

1	Health
1	Flammability
0	Reactivity
G	Pers. Protection

II. Ingredients: Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
21645512	Alumina hydrate	22.5-45							5 mg/m3	10 mg/m3	
70131678	Dimethyl siloxane, hydroxy-terminated	30-52.5							NE	NE	
63148629	Polydimethylsiloxane	>15							NE	NE	213.98 F
14808607	Quartz dust	<3.75							0.1 mg/m3	0.1 mg/m3	
68855549	Silica, amorphous, diatomaceous earth	11.25-30							.05 mg/m3	.05 mg/m3	
14464461	Silica, crystalline cristobalite	<22.5							.05 mg/m3	.05 mg/m3	
682019	Tetrapropyl orthosilicate	2.25-5.25							200 ppm	200 ppm	

III. Hazardous Identification:**Hazard Category:**
 Acute Chronic Fire Pressure Reactive
Hazardous Identification Information:

Respiratory tract irritant. Swallowing large amounts may cause gastrointestinal discomfort. May irritate skin with prolonged contact. Eye irritant.

IV. First Aid Measures:**Route(s) of Entry:**

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):**Signs and Symptoms:**

Eyes: Redness

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Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory diseases

Emergency and First Aid Procedures:

Inhalation: No first aid should be needed.

Ingestion: No first aid should be needed.

Skin: No first aid should be needed.

Eyes: Rinse with plenty of water for 15 minutes and seek medical attention.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: >212 F

Lower Explosive Limit: NE

Upper Explosive Limit: NE

F.P. Method:

Fire Extinguishing Media: Water spray, carbon dioxide, dry chemical, foam

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing. Water may be used to cool fire-exposed containers.

Unusual Fire and Explosion:

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Wear vapor respirator, safety goggles, and rubber gloves. Remove sources of ignition (i.e. open flames, sparks). Dike if needed. Soak up with inert absorbent material (do not use flammable substances such as sawdust). Ventilate and wash spill site after collection since some silicone materials may present a slip hazard. Final cleaning may require use of steam, solvents, or detergents. Dispose according to local, state, and federal regulations.

VII. Handling and Storage:

Precautions to be Taken:

Keep in closed container. Protect from moisture. Avoid incompatible materials. Use only in well-ventilated areas. Avoid contact with eyes. Wash thoroughly after handling.

Other Precautions:

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, vapor respirator

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IX. Physical and Chemical Properties:

Boiling Point: NE

Melting Point: N/A

Evaporation Rate (Butyl Acetate = 1): NE

Vapor Pressure (mm Hg.): NE

Specific Gravity (H₂O = 1):

Vapor Density (AIR = 1): NE

Solubility In Water: Not established

Appearance and Odor: Thick off-white liquid; slight odor

Other Information:

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Oxidizers, water, moisture, humid air, ignition sources (heat, open flame, spark)

Decomposition/By Products:

n-Propanol, carbon oxides, other carbon compounds, silicon dioxide, formaldehyde (carcinogen), metal oxides, quartz

Hazardous Polymerization:

Will not occur.

XI. Toxicological Information:

When heated to temperatures above 150 C in the presence of air, product can form formaldehyde, which is a potential cancer hazard.

Carcinogenicity

Silica, crystalline cristobalite

NTP--Group 2: Substances, or groups of substances, and medical treatments which may reasonably be anticipated to be carcinogens

IARC--Group 2A: Probably carcinogenic to humans

Quartz dust

NTP--Group 2: Substances, or groups of substances, and medical treatments which may reasonably be anticipated to be carcinogens

IARC--Group 2A: Probably carcinogenic to humans

California--Carcinogen

XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life.

XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

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XIV. Transport Information:

Keep in closed container. Protect from moisture. Avoid incompatible materials. Avoid contact with eyes. Wash thoroughly after handling.

XV. Regulatory Information:

All ingredients are listed on or exempted from the TSCA inventory.

Contents of this MSDS comply with OSHA Hazard Communication Standard 29 CFR 1910.1200.

California Proposition 65: This product contains chemical(s) known to the State of California to cause cancer (quartz dust).

XVI. Other Information:

Using this product under normal, properly instructed procedures should not be hazardous.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.