

# SAFETY DATA SHEET



Date issued : 06/29/2011  
 SDS number : SC-5004 SILICONE PRIMER  
 Date revised : 10/13/2023  
 Revision number : 5

## SC-5004 SILICONE PRIMER

### 1. Identification

**Product identifier:** SC-5004 SILICONE PRIMER

**Relevant identified uses:** Primer

**Manufacturer / Supplier**

BJB Enterprises, Inc.  
 14791 Franklin Avenue  
 Tustin, CA 92780  
**Emergency Phone:** (714) 734-8450

**Emergency telephone number (24 hour)**

**CHEMTREC (USA & Canada):** (800) 424-9300  
 or (703) 527-3887 CCN# 2820

### 2. Hazard identification

**Classification of the substance or mixture**

**Health hazards:**

Acute Toxicity (Inhalation), Category 4  
 Skin Irritation, Category 2  
 Serious Eye Damage, Category 1  
 Germ Cell Mutagenicity, Category 1  
 Carcinogenicity, Category 1  
 Reproductive Toxicity, Category 2  
 Target Organ Toxicity (Single exposure), Category 3  
 Target Organ Toxicity (Repeated exposure), Category 2  
 Aspiration Hazard, Category 1

**Environmental hazards:**

Chronic Hazards to the Aquatic Environment, Category 3

**Physical hazards:**

Flammable Liquids, Category 3

**Label elements**



Flame



Corrosion



Health hazard

**Signal word:** DANGER

**Hazard statement(s)**

H226: Flammable liquid and vapour.  
 H332: Harmful if inhaled.  
 H315: Causes skin irritation.  
 H318: Causes serious eye damage.  
 H340: May cause genetic defects.  
 H350: May cause cancer.  
 H361: Suspected of damaging fertility or the unborn child.  
 H335: May cause respiratory irritation.  
 H373: May cause damage to organs through prolonged or repeated exposure.  
 H304: May be fatal if swallowed and enters airways.  
 H412: Harmful to aquatic life with long lasting effects.

**SC-5004 SILICONE PRIMER****Precautionary statement(s)****Prevention:**

- P201: Obtain special instructions before use.  
 P202: Do not handle until all safety precautions have been read and understood.  
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233: Keep container tightly closed.  
 P240: Ground and bond container and receiving equipment.  
 P241: Use explosion-proof electrical/ventilating/lighting/material-handling equipment.  
 P242: Use non-sparking tools.  
 P243: Take action to prevent static discharges.  
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
 P271: Use only outdoors or in a well-ventilated area.  
 P264: Wash thoroughly after handling.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P273: Avoid release to the environment.

**Response:**

- P370+P378: In case of fire: Use carbon dioxide, dry chemical, or alcohol-resistant foam for extinction.  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312: Call a POISON CENTER/doctor/physician if you feel unwell.  
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P332+P313: If skin irritation occurs: Get medical advice/attention.  
 P362+P364: Take off contaminated clothing and wash it before reuse.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310: Immediately call a POISON CENTER/doctor/physician.  
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.  
 P331: Do NOT induce vomiting.  
 P308+P313: IF exposed or concerned: Get medical advice/ attention.

**Storage:**

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
 P235: Keep cool.  
 P405: Store locked up.

**Disposal:**

- P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

**3. Composition/information on ingredients**

Chemical name	% w/w	CAS No.
Solvent naphtha (petroleum), medium aliphatic	40 - 70	64742-88-7
Tetraethyl silicate	15 - 40	78-10-4
Titanium tetrabutanolat	5 - 10	5593-70-4
Trimethylbenzene	5 - 10	25551-13-7
Xylene	3 - 7	1330-20-7
n-Hexane	1 - 5	110-54-3
Toluene	1 - 5	108-88-3
Ethylbenzene	1 - 5	100-41-4
n-Butanol	1 - 5	71-36-3
Benzene	0.5 - 1.5	71-43-2

**4. First-aid measures**

**Eye:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get

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medical advice/attention.

**Skin:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical advice/attention if irritation or rash develops. Wash clothing before reuse.

**Ingestion:** Do not induce vomiting. Aspiration into the lungs can cause serious damage. Seek medical attention immediately. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Do not induce vomiting unless instructed by a physician.

**Inhalation:** Remove to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get immediate medical attention.

**Indication of immediate medical attention and special treatment needed, if necessary:** Symptomatic and supportive therapy as needed.

Following severe exposure medical follow-up should be monitored for at least 48 hours.

**5. Fire-fighting measures**

**Suitable extinguishing media:** Carbon dioxide, dry chemical, or alcohol-resistant foam.

**Hazardous combustion products:** Carbon monoxide and carbon dioxide.

**Explosion hazards:** Vapors may cause a flash fire or ignite explosively. Vapors may travel along the ground and reach remote ignition sources causing a flashback fire danger.

**Fire fighting procedures:** Cool fire exposed containers with water spray. Remove containers from the fire area if possible. Do not release runoff from fire control methods to sewers or waterways.

**Fire fighting equipment:** Firefighters should wear positive pressure self-contained breathing apparatus (SCBA) and consider use of unmanned hose holders or monitor nozzles for fighting large fires.

**6. Accidental release measures**

**Small spill:** Evacuate unnecessary personnel from the spill area. Wear necessary personal protective equipment (PPE) as specified in the SDS or the site emergency response plan. Eliminate all sources of ignition. Ensure adequate ventilation. Dike and contain spill. Prevent product from entering drains or waterways. Absorb with non-combustible material (such as sand, earth, diatomaceous earth, or vermiculite) and transfer to a container for disposal according to local/national regulations.

**Environmental precautions**

**Water spill:** Do not discharge into drains, surface waters, or groundwater.

**General procedures:** Refer to section 8 of SDS for personal protection details.

**Release notes:** Composition and extent of any spill should be evaluated against local regulations and reported to the proper agencies, if necessary.

**7. Handling and storage**

**Precautions for safe handling:** Keep away from sources of ignition. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Do not breathe vapors, mists, or dust. Use appropriate personal protective equipment (PPE) as specified in Section 8. Use in a well-ventilated area. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

**Conditions for safe storage:** Store in a dry and well-ventilated place, away from excessive heat in the original or similar container. Avoid sources of ignition and incompatible materials. Protect from freezing. Containers should be tightly sealed to prevent contamination with foreign materials. Avoid unnecessary contact.

**Storage temperature:** 65-80°F (18-27°C)

**Shelf life:** 12 months from date of shipment under manufacturers recommended storage conditions.

**8. Exposure controls/personal protection****Exposure controls**

Control parameters			
Occupational exposure limit values			
Chemical name	Type	ppm	mg/m <sup>3</sup>
OSHA PEL	TWA	100	850
	STEL	-	-

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Tetraethyl silicate	ACGIH TLV	TWA	10	-
		STEL	-	-
	NIOSH REL	TWA	10	85
		STEL	-	-
Trimethylbenzene	OSHA PEL	TWA	-	-
		STEL	-	-
	ACGIH TLV	TWA	25	-
		STEL	-	-
	NIOSH REL	TWA	25	125
		STEL	-	-
Xylene	OSHA PEL	TWA	100	435
		STEL	-	-
	ACGIH TLV	TWA	100	-
		STEL	150	-
	NIOSH REL	TWA	100	435
		STEL	150	655
n-Hexane	OSHA PEL	TWA	500	1800
		STEL	-	-
	ACGIH TLV	TWA	50	-
		STEL	-	-
	NIOSH REL	TWA	50	180
		STEL	-	-
Toluene	OSHA PEL	TWA	200	-
		STEL	-	-
		C	300	-
	ACGIH TLV	TWA	-	-
		STEL	-	-
	NIOSH REL	TWA	100	375
STEL		150	560	
Ethylbenzene	OSHA PEL	TWA	100	435
		STEL	-	-
	ACGIH TLV	TWA	20	-
		STEL	-	-
	NIOSH REL	TWA	100	435
		STEL	125	545
	OSHA PEL	TWA	100	300
		STEL	-	-

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n-Butanol	ACGIH TLV	TWA	20	-
		STEL	-	-
	NIOSH REL	TWA	-	-
		STEL	-	-
		C	50 <sup>[1]</sup>	150 <sup>[1]</sup>
Benzene	OSHA PEL	TWA	1	-
		STEL	5	-
	ACGIH TLV	TWA	0.5	-
		STEL	2.5	-
	NIOSH REL	TWA	0.1	-
		STEL	1	-

**Footnotes:**

1. Skin

**Appropriate engineering controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**Individual protection measures, such as personal protective equipment**

**Eye / face protection:** Safety goggles or glasses are recommended. Plastic face shields should be used for complete face protection to protect against possible splashing or spraying of material. ANSI Z87.1 or approved equivalent.

**Skin protection - hand protection:** Chemical-resistant gloves and chemical goggles, face-shield, and synthetic apron or coveralls should be used to prevent contact with eyes, skin, or clothing. Wear nitrile or neoprene gloves. Chemical resistant gloves lined with polyethylene offer maximum protection.

**Respiratory protection:** Exhaust ventilation recommended. An organic vapor cartridge or fresh air supplied respirator (NIOSH approved) may be necessary for certain applications. Consider the type of application, environmental concentrations, and other materials being used concurrently when determining respirator use and selection. Observe OSHA regulations for respirator use (29 CFR 1910.134).

**Skin protection - other:** Protective clothing should be selected and used in accordance with "Guidelines for the Selection of Chemical Protective Clothing" published by ACGIH.

**Occupational hygiene practices:** Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited. Wash hands before eating.

**Other use precautions:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Training is important. Follow all label precautions.

**9. Physical and chemical properties**

**Physical state:** Liquid

**Color:** Colorless

**Odor:** Petroleum

**pH:** Not Applicable

**Initial boiling point and boiling range:** 116.1°C (241°F)

**Flash point:** 28.9°C (84°F) Closed Cup

**Evaporation rate (n-butyl acetate = 1):** < 1 (n-BuAc=1)

**Lower explosion limit / flammability limit:** 1.1% (V)

**Upper explosion limit / flammability limit:** 25% (V)

**Vapor pressure:** 8 hPa at 20°C (68°F)

**Relative vapor density:** No data available

**Relative density:** 0.83 (water=1) at 25°C (77°F)

**Solubility:** Partially soluble

**Auto-ignition temperature:** ~ 172.8°C (343°F)

**SC-5004 SILICONE PRIMER****Viscosity:** No data available**Percent volatiles:** 85**VOC content:** < 705.5 g/l Calculated. Theoretical VOC minus water and exempt solvents.**10. Stability and reactivity****Reactivity:** Hazardous reactions will not occur under normal transport or storage conditions.**Chemical stability:** This product is stable under the recommended storage conditions.**Conditions to avoid:** Avoid heat, sparks, open flames and other ignition sources.**Possibility of hazardous reactions:** No data available**Hazardous decomposition products:** Carbon monoxide and carbon dioxide.**Incompatible materials:** Strong acids, strong bases, and strong oxidizing agents.**11. Toxicological information****Acute toxicity**

Chemical name	LD <sub>50</sub> (oral) mg/kg(rat)	LD <sub>50</sub> (dermal) mg/kg(rabbit)	LC <sub>50</sub> (inhalation) mg/l
Solvent naphtha (petroleum), medium aliphatic	No data available	No data available	No data available
Tetraethyl silicate	> 2500 mg/kg Rat	5878 mg/kg Rabbit	No data available
Titanium tetrabutanolatate	No data available	No data available	No data available
Trimethylbenzene	8970 mg/kg Rat	No data available	No data available
Xylene	3523 mg/kg Rat	12126 mg/kg Rabbit	5000 ppm Rat (4 h)
n-Hexane	16000 mg/kg Rat	> 2000 mg/kg Rabbit	172 mg/l Rat (4 h)
Toluene	> 5580 mg/kg Rat	12124 mg/kg Rabbit	25.7 mg/l Rat (4 h)
Ethylbenzene	3500 mg/kg Rat	15433 mg/kg Rabbit	No data available
n-Butanol	790 mg/kg Rat	3400 mg/kg Rabbit	> 18 mg/m3 Rat (4 h)
Benzene	> 5960 mg/kg Rat	8263 mg/kg Rabbit	43.7 mg/l Rat (4 h)

**Skin corrosion / irritation:** Causes skin irritation.**Serious eye damage / irritation:** Causes serious eye damage.**Respiratory or skin sensitization:** No data available**Germ cell mutagenicity:** May cause genetic defects.**Carcinogenicity**

Chemical name	NTP	IARC
Xylene		3
Toluene		3
Ethylbenzene		2B
Benzene	1	1

**Reproductive toxicity:** Suspected of damaging fertility or the unborn child.**Specific Target Organ Toxicity - single exposure:** May cause respiratory irritation.**Specific Target Organ Toxicity - repeated exposure:** May cause damage to organs through prolonged or repeated exposure.**Aspiration hazard:** May be fatal if swallowed and enters airways.**12. Ecological information****Ecotoxicological information:** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Avoid release to the environment.

**SC-5004 SILICONE PRIMER****Persistence and degradability:** No data available**Bioaccumulative potential:** No data available**Environmental data:** This product may cause risk of hazardous effects to the environment.**Mobility in soil:** No data available**13. Disposal considerations**

**Disposal methods:** The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protections and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Empty container:** Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.**

**14. Transport information****USA Department of Transport Regulations (DOT)****UN proper shipping name:** Flammable liquids, n.o.s.**Technical name:** (naptha, tetraethyl silicate)**UN number:** UN1993**Transport hazard class(es):** 3**Packing group:** III**NAERG:** 128**Hazard label:** Flammable liquid**ICAO / IATA - air****UN proper shipping name:** Flammable liquids, n.o.s.**Technical name:** (naptha, tetraethyl silicate)**UN number:** UN1993**Transport hazard class(es):** 3**Packing group:** III**ERG:** 3L**Hazard label:** Flammable liquid**IMO / IMDG - sea****UN proper shipping name:** Flammable liquids, n.o.s.**Technical name:** (naptha, tetraethyl silicate)**UN number:** UN1993**Transport hazard class(es):** 3**Packing group:** III**Hazard label:** Flammable liquid**Special provisions:** EmS: F-E, S-E**15. Regulatory information****UNITED STATES****SARA Section 311/312 Hazard Categories****311/312 Health hazards:** Refer to Section 2 for hazard classification.**313 reportable ingredients:** This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

**SC-5004 SILICONE PRIMER****EPCRA Section 313 Toxic Chemicals**

Chemical name	% w/w	CAS No.
Xylene	3 - 7	1330-20-7
n-Hexane	1 - 5	110-54-3
Toluene	1 - 5	108-88-3
Ethylbenzene	1 - 5	100-41-4
n-Butanol	1 - 5	71-36-3
Benzene	0.5 - 1.5	71-43-2

**CERCLA regulatory:** This product contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

**CERCLA Hazardous Substances and Reportable Quantities (RQ)**

Chemical name	% w/w	CERCLA rq
Xylene	3 - 7	100 lbs.
n-Hexane	1 - 5	5,000 lbs.
Toluene	1 - 5	1,000 lbs.
Ethylbenzene	1 - 5	1,000 lbs.
n-Butanol	1 - 5	5,000 lbs.
Benzene	0.5 - 1.5	10 lbs.


**TSCA (The Toxic Substances Control Act)**

**TSCA regulatory:** This product does not contain any substances subject to TSCA Section 12(b) export notification.

**TSCA Status:** This product or its components are listed in or exempt from the TSCA inventory requirements.

**Occupational safety and health administration (osha)**

**29 cfr 1910.119--process safety management of highly hazardous chemicals:** None of the chemicals in this product are considered highly hazardous by OSHA.

**California Proposition 65:**  **WARNING:** This product can expose you to chemicals including [see table below], which is [are] known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical name	% w/w	Listed
n-Hexane	1 - 5	● Male Reproductive
Toluene	1 - 5	● Developmental Toxicity
Ethylbenzene	1 - 5	● Cancer
Benzene	0.5 - 1.5	● Cancer ● Developmental Toxicity ● Male Reproductive

**USA OSHA Hazard Communication Standard (29CFR 1910.1200):** The contents of the SDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**CANADA**

**WHMIS Regulatory Status:** This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):** All components in this product are listed in or exempted from the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL).

**16. Other information**

**Reason for issue:** Revision

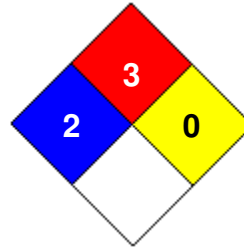
**SC-5004 SILICONE PRIMER**

Date revised: 10/13/2023

Revision summary: This SDS replaces the 04/02/2020 SDS.

**HMIS rating**

Health	*	2
Flammability		3
Physical hazard		0
Personal protection	X	

**NFPA codes****HMIS ratings notes:** Personal Protection: See Section 8

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