

# SAFETY DATA SHEET



Date Prepared : 06/29/2011  
 SDS No : SC-5004 SILICONE PRIMER  
 Date Revised : 05/24/2016  
 Revision No : 2

## SC-5004 SILICONE PRIMER

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SC-5004 SILICONE PRIMER  
**GENERAL USE:** Primer

#### MANUFACTURER

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

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

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

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

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

##### Environmental:

Chronic Hazards to the Aquatic Environment, Category 2

##### Physical:

Flammable Liquids, Category 3

#### GHS LABEL



Flame



Corrosion



Health hazard



Environment

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

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.  
 H336: May cause drowsiness or dizziness.

**SC-5004 SILICONE PRIMER**

H373: May cause damage to organs through prolonged or repeated exposure.

H304: May be fatal if swallowed and enters airways.

H411: Toxic to aquatic life with long lasting effects.

**PRECAUTIONARY STATEMENTS****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/...] 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.

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.

P391: Collect spillage.

**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**

**SC-5004 SILICONE PRIMER**

Chemical Name	Wt.%	CAS
Solvent naphtha (petroleum), medium aliphatic	40 - 70	64742-88-7
Tetraethyl silicate	15 - 40	78-10-4
Titanium tetrabutanolate	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**

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

**SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical 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.

**NOTES TO PHYSICIAN:** Symptomatic and supportive therapy as needed. Following severe exposure medical follow-up should be monitored for at least 48 hours.

**5. FIRE FIGHTING MEASURES**

**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: Eliminate sources of ignition.** Evacuate the area. Clean-up should only be performed by trained personnel. People dealing with a major spill should wear full protective clothing including appropriate respiratory protection. Prevent product spill from entering sewers or waterways. Neutralize small spills with a decontaminant.

**LARGE SPILL:** Contain and absorb large spills onto an inert, non-flammable adsorbent carrier (such as earth or sand). Do not use combustible materials such as saw dust. Use only spark resistant and explosion proof recovery devices. Shovel into open-top drums or plastic bags for further decontamination, if necessary. Wash the spill area clean with a liquid decontaminant. Remove and properly dispose of residues. Notify applicable government authorities if release is reportable. (See CERCLA in Section 15).

**ENVIRONMENTAL PRECAUTIONS**

**WATER SPILL:** Do not discharge into drains or rivers.

**SC-5004 SILICONE PRIMER**

**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**

**GENERAL PROCEDURES:** Keep away from sources of ignition. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Avoid breathing vapor over open containers. Avoid open container exposure to damp air. Avoid breathing aerosols, mists, and vapors.

**HANDLING:** Use in a well ventilated area. Avoid heat, sparks, and open flames. Avoid breathing vapor and contact with eyes, skin, and clothing. Use appropriate personal protective equipment as specified in Section 8. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

**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.

**ELECTROSTATIC ACCUMULATION HAZARD:** This material can accumulate static charges which can cause an incendiary electrical discharge. Use proper bonding and/or grounding procedure.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	Type	EXPOSURE LIMITS		
		ppm	mg/m <sup>3</sup>	
Solvent naphtha (petroleum), medium aliphatic	OSHA PEL	TWA	NE	NE
		STEL	NE	NE
	ACGIH TLV	TWA	NE	NE
		STEL	NE	NE
	Supplier OEL	TWA	NE	NE
		STEL	NE	NE
Tetraethyl silicate	OSHA PEL	TWA	100	850
		STEL	NE	NE
	ACGIH TLV	TWA	10	85
		STEL	NE	NE
	Supplier OEL	TWA	NE	NE
		STEL	NE	NE
Titanium tetrabutanolate	OSHA PEL	TWA	NE	NE
		STEL	NE	NE
		TWA	NE	NE
	ACGIH TLV	STEL	NE	NE
	Supplier OEL	TWA	NE	NE
		STEL	NE	NE

## SC-5004 SILICONE PRIMER

Trimethylbenzene	OSHA PEL	TWA	NE	NE
		STEL	NE	NE
	ACGIH TLV	TWA	25	125
		STEL	NE	NE
	Supplier OEL	TWA	NE	NE
		STEL	NE	NE
Xylene	OSHA PEL	TWA	100	435
		STEL	NE	NE
	ACGIH TLV	TWA	100	434
		STEL	150	651
	Supplier OEL	TWA	NE	NE
		STEL	NE	NE
n-Hexane	OSHA PEL	TWA	500	1800
		STEL	NE	NE
	ACGIH TLV	TWA	50	180
		STEL	NE	NE
	Supplier OEL	TWA	NE	NE
		STEL	NE	NE
Toluene	OSHA PEL	TWA	200	NE
		STEL	300	NE
	ACGIH TLV	TWA	50	188
		STEL	NE	NE
	Supplier OEL	TWA	100 <sup>[1]</sup>	375 <sup>[1]</sup>
		STEL	150 <sup>[1]</sup>	560 <sup>[1]</sup>
Ethylbenzene	OSHA PEL	TWA	100	435
		STEL	NE	NE
	ACGIH TLV	TWA	100	434
		STEL	125	543
	Supplier OEL	TWA	100 <sup>[1]</sup>	435 <sup>[1]</sup>
		STEL	125 <sup>[1]</sup>	545 <sup>[1]</sup>
n-Butanol	OSHA PEL	TWA	100	300
		STEL	NE	NE
	ACGIH TLV	TWA	20	NE
		STEL	NE	NE
	Supplier OEL	TWA	NE	NE
		STEL	NE	NE
	OSHA PEL	TWA	1	NE

**SC-5004 SILICONE PRIMER**

Benzene	<b>OSHA PEL</b>	<b>STEL</b>	5	NE
	<b>ACGIH TLV</b>	<b>TWA</b>	0.5	NE
		<b>STEL</b>	2.5	NE
	<b>Supplier OEL</b>	<b>TWA</b>	NE	NE
<b>STEL</b>		NE	NE	
<b>Footnotes:</b>				
1. NIOSH REL				

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

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** 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:** 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:** 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).

**PROTECTIVE CLOTHING:** Protective clothing should be selected and used in accordance with 'Guidelines for the Selection of Chemical Protective Clothing' published by ACGIH.

**WORK HYGIENIC 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

**ODOR:** Petroleum

**COLOR:** Colorless

**pH:** Not Applicable

**PERCENT VOLATILE:** 85

**FLASH POINT AND METHOD:** 28.9°C (84°F) Closed Cup

**FLAMMABLE LIMITS:** 1.1% (V) to 25% (V)

**AUTOIGNITION TEMPERATURE:** ~ 17.82°C (343°F)

**VAPOR PRESSURE:** 8 hPa at 20°C (68°F)

**VAPOR DENSITY:** Lighter than air

**BOILING POINT:** 116.1°C (241°F)

**SOLUBILITY IN WATER:** Partially soluble

**EVAPORATION RATE:** 3.6 (n-BuAc=1)

**SPECIFIC GRAVITY:** 0.83 (water=1) at 25°C (77°F)

**(VOC):** < 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.

**STABILITY:** This product is stable under the recommended storage conditions.

**CONDITIONS TO AVOID:** Avoid heat, sparks, open flames and other ignition sources.

**SC-5004 SILICONE PRIMER****POSSIBILITY OF HAZARDOUS REACTIONS:** None Known**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	ORAL LD <sub>50</sub>	DERMAL LD <sub>50</sub>	INHALATION LC <sub>50</sub>
Solvent naphtha (petroleum), medium aliphatic	Not Established	Not Established	Not Established
Tetraethyl silicate	Not Established	Not Established	Not Established
Titanium tetrabutanolate	Not Established	Not Established	Not Established
Trimethylbenzene	Not Established	Not Established	Not Established
Xylene	4300 mg/kg	14100 uL/kg	4550 ppm (4 h)
n-Hexane	25000 mg/kg	Not Established	48000 ppm (4 h)
Toluene	636 mg/kg	2 to 14 g/kg	26700 ppm (1h)
Ethylbenzene	3500 mg/kg	17800 uL/kg	Not Established
n-Butanol	790 mg/kg	3400 mg/kg	8000 ppm (4 h)
Benzene	> 1800 mg/kg	8263 mg/kg	43.7 mg/l (4 h)

**SKIN CORROSION/IRRITATION:** Causes skin irritation.**SERIOUS EYE DAMAGE/IRRITATION:** Causes serious eye damage.**RESPIRATORY OR SKIN SENSITISATION:** No data available.**GERM CELL MUTAGENICITY:** May cause genetic defects.**CARCINOGENICITY**

Chemical Name	NTP Status	IARC Status
Toluene		3
Ethylbenzene		2B
Benzene	1	1

**REPRODUCTIVE TOXICITY:** Suspected of damaging fertility or the unborn child.**STOT-SINGLE EXPOSURE:** May cause drowsiness or dizziness.**STOT-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****ENVIRONMENTAL DATA:** This product may cause risk of hazardous effects to the environment.**ECOTOXICOLOGICAL INFORMATION:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Avoid release to the environment.**BIOACCUMULATION/ACCUMULATION:** No data available.**DISTRIBUTION:** No data available.**CHEMICAL FATE INFORMATION:** No data available.**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHOD:** 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

**SC-5004 SILICONE PRIMER**

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****DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Flammable liquid, n.o.s.

**TECHNICAL NAME:** (contains naphtha)

**PRIMARY HAZARD CLASS/DIVISION:** 3

**UN/NA NUMBER:** UN1993

**PACKING GROUP:** III

**NAERG:** 128

**LABEL:** Flammable liquid

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Flammable liquid, n.o.s.

**TECHNICAL NAME:** (contains naphtha)

**UN/NA NUMBER:** UN1993

**PRIMARY HAZARD CLASS/DIVISION:** 3

**PACKING GROUP:** III

**ERG:** 3L

**LABEL:** Flammable liquid

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Flammable liquid, n.o.s.

**TECHNICAL NAME:** (contains naphtha)

**UN/NA NUMBER:** UN1993

**PRIMARY HAZARD CLASS/DIVISION:** 3

**PACKING GROUP:** III

**LABEL:** Flammable liquid

**SPECIAL PROVISIONS:** EmS: F-E, S-E

**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Acute Health Hazard, Chronic Health Hazard, Fire Hazard

**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 SUPPLIER NOTIFICATION**

Chemical Name	Wt. %	CAS
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 (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** For this/these chemicals, release of more than the Reportable Quantity to the environment in a 24-hour period requires notification to the National Response Center (800-424-8802 or 202-426-2675):

Chemical Name	Wt. %	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 (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** This product does not contain any chemicals 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:** This product contains chemical(s) which are known to the State of California to cause cancer, birth defects or other reproductive harm, and may be subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5):

Chemical Name	Wt. %	Listed
Toluene	1 - 5	<ul style="list-style-type: none"> <li>● Cancer</li> <li>● Developmental Toxicity</li> </ul>
Ethylbenzene	1 - 5	Cancer
Benzene	0.5 - 1.5	<ul style="list-style-type: none"> <li>● Cancer</li> <li>● Developmental Toxicity</li> <li>● Male Reproductive</li> </ul>

**OSHA HAZARD COMM. RULE:** The contents of the SDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**CANADA**

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

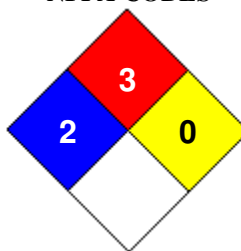
**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components in this product are listed in or exempted from the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL).

**GENERAL COMMENTS:** No data available.

**16. OTHER INFORMATION**

**SC-5004 SILICONE PRIMER****REASON FOR ISSUE:** Revision**Date Revised:** 05/24/2016**REVISION SUMMARY:** This SDS replaces the 01/09/2013 SDS.**HMIS RATING**

<b>HEALTH</b>	*	<b>2</b>
<b>FLAMMABILITY</b>		<b>3</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>X</b>	

**NFPA CODES****HMIS RATINGS NOTES:** Personal Protection: See Section 8**MANUFACTURER DISCLAIMER:** This information is furnished without warranty, expressed or implied, except that is accurate to the best knowledge of BJB Enterprises, Inc. The data on this sheet relates only to the specific material designated herein. BJB Enterprises, Inc. assumes no legal responsibility for use or reliance upon this data.