



## Foshan Tian Bao Li Silicon Engineering Technology Co., Ltd

## TBL-6237 Material Safety Data Sheet

**1.CHEMICALS AND COMPANY IDENTIFICATION**

<b>1.1 Product Name:</b>	Liquid silicone rubber
<b>1.2 Product Type:</b>	TBL-6237
<b>1.3 Manufacturer Name:</b>	Foshan Tian Bao Li Silicon Engineering Technology Co., Ltd
<b>1.4 Address:</b>	No.8, Leqiang Road, Leping Town, Sanshui District, Foshan City, Guangdong Province,China
<b>1.5 Tel:</b>	0757-87653811
<b>1.6 Fax:</b>	0757-87652266
<b>1.7 Contact Person:</b>	Technical Service Engineer

**2.COMPOSITION/MAIN INFORMATION**

<b>2.1 Chemical Classification:</b>	Mixture	
<b>2.2 Product use:</b>	Materials for bonding and sealing	
<b>2.3 Component:</b>		
<b>Chemical Name:</b>	<b>CAS NO.</b>	<b>Contain% (w/w)</b>
Polysiloxane	63148-62-9	45-50
Functional Filler	471-34-1	20-45
Functional Filler	7631-86-9	10-15
Coupling Agent	919-30-2	1-5

**3.HAZARDS IDENTIFICATION**

<b>3.1 Hazards Classification:</b>	Non hazardous chemicals.
<b>3.2 Invasion Approach</b>	Skin, Eye contact, Inhalation.
<b>3.3 Environmental Hazards</b>	It may cause pollution to the soil and water environment, but it can not predict harmful effects on aquatic and terrestrial organisms.
<b>3.4 Explosion Hazard:</b>	No
<b>3.5 Health Hazards</b>	Contact with skin may cause slight irritation; Contains substances that are irritating to the eyes and may cause blurred vision, burning pain and tears; Steam may cause respiratory irritation.People with allergic skin and lung diseases are easily caused to allergic reactions.
<b>3.6 Emergency Review:</b>	Irritation after physical contact should be rinsed immediately with flowing water for more than 15 minutes,then seek medical advice as soon as possible.



<b>4.FIRST AID MEASURES</b>	
<b>4.1 Eye Contact:</b>	Open your eyelids, rinse thoroughly for more than 15 minutes, and seek medical advice if necessary.
<b>4.2 Skin Contact:</b>	Remove the contaminated clothing, clean up contamination with the rag or paper, and wash the basic skin area thoroughly, then wash with soapy water, seek medical treatment if necessary. Wash contaminated clothing before reuse.
<b>4.3 Inhalation:</b>	Transfer to fresh air immediately, and supply oxygen if breathing is difficult. Respiratory arrest artificial respiration should be given immediately.
<b>4.4 Ingestion:</b>	Immediately transferred to the fresh air, breathing difficulties should supply oxygen, respiratory arrest should immediately be given artificial respiration, immediately sent to the doctor.
<b>4.5 Main symptoms and hazards:</b>	Don't urge vomiting. Keep calm and get timely medical treatment. Cause eye irritation and skin hypersensitivity.

<b>5.FIREFIGHTING MEASURES</b>	
<b>5.1 Fire fighting methods:</b>	The fire lifeguard shall wear full set of protective equipment such as positive pressure type comprehensive respiratory protective device, face mask, protective clothing, etc. Set up isolation belt to put out the fire from a safe distance.
<b>5.2 Applicable extinguishing medium:</b>	Use water gun, carbon dioxide, foam or dry powder fire extinguisher.
<b>5.3 Hazardous characteristics:</b>	Combustion and decomposition products of SiO <sub>2</sub> , metal oxides and other potentially harmful organic compounds. In case of fire, closed high-pressure containers may explode.
<b>5.4 Hazardous Combustion Products:</b>	Carbon dioxide, oxides of nitrogen, oxides of phosphorus, oxides of sulfur and irritant organic gases.

<b>6.ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1 Protective measures for operators:</b>	The emergency treatment personnel shall wear self-contained breathing apparatus to avoid contact with skin and eyes and wear eye protection.
<b>6.2 Emergency Treatment:</b>	1. Cut off the fire source, isolation leakage polluted area, the rapidly evacuate people to a safe area and restrict access. 2. Find and cut off the leakage source to prevent the leakage from entering the restricted area such as the sewer.
<b>6.3 Storage and removal</b>	1. Small leakage: Collect the overflow liquid into the covered

**Methods of leaked chemicals:**

container as much as possible, absorb residual liquid with sand or other inert materials. It can also be washed with emulsion or soapy water and detergent made from non-combustible dispersion. The used lotion shall be diluted and discharged into the waste water treatment system. The used adsorbent must be disposed by the unit with corresponding treatment qualification in accordance with relevant laws and regulations..

2. Large leakage: Build dike or dig pit to collect, reduce steam disaster, spray water cooling and dilution steam to protect on-site personnel. The leaked collection should be handled by relevant units with appropriate qualifications according to relevant laws and regulations.

**7. SAFE HANDLING AND STORAGE**

7.1

**Operation precautions:**

1. Substance/product operators must undergo special safety training and strictly abide by operating rules and relevant regulations.
2. Keep away from fire and heat sources, fast, smoke and drink on site, shower and change clothes after work, and carry out regular physical examination before, during and after employment.
3. Pay attention to light loading and unloading during handling to prevent damage to packaging and containers.
4. Ensure good ventilation at work place and storage. When using the product, there must be a proper exhaust ventilation device
5. The site shall be equipped with corresponding types and quantities of fire-fighting equipment and leakage emergency treatment equipment.

7.2

**Precautions for storage:**

1. Store in a dry, cool, ventilated and clean warehouse with no smoking signs to prevent direct sunlight.
2. Keep away from fire, heat source, warehouse temperature should be between 8-28 °C, and relative humidity should not exceed 80%
3. The packaging shall be sealed and shall not be mixed with oxidant, acid, alkali and edible chemicals. Sufficient fire-fighting equipment shall be provided in the warehouse.
4. Keep the packaging in good condition. Each carton of products shall not be stacked higher than five layers, and fire inspection channel shall be reserved.

**8.EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>8.1 Monitoring method:</b>	Fumed chromatography.
<b>8.2 Engineering Controls:</b>	Airtight production process, strengthen ventilation, provide safety shower and eyewash equipment.
<b>8.3 Respiratory protection:</b>	Wear filter type gas mask (half mask) when contacting with steam. Self contained breathing apparatus shall be worn during emergency rescue or evacuation.
<b>8.4 Eye protection:</b>	Wear safety glasses.
<b>8.5 Hand protection:</b>	Wear dipped gloves.
<b>8.6 Skin and body protection:</b>	working cloths.
<b>8.7 Other:</b>	Smoking, eating and drinking are prohibited at the work site, and the work shall be thoroughly cleaned after completion.

**9.PHYSICAL AND CHEMICAL PROPERTIES**

<b>9.1 Physical state:</b>	Refer to product specification.
<b>9.2 Color:</b>	Refer to product specification.
<b>9.3 Odor</b>	Refer to product specification.
<b>9.4 pH:</b>	No data available.
<b>9.5 Solubility:</b>	No data available.
<b>9.6 Freezing point:</b>	No data available.
<b>9.7 Boiling point:</b>	No data available.
<b>9.8 Flash point:</b>	No data available.
<b>9.9 Decomposition temperature</b>	No data available.
<b>9.10 Explosive property:</b>	No data available.
<b>9.11 Oxidizability:</b>	No data available.
<b>9.12 Special Gravity:</b>	Refer to product specification.
<b>9.13 Octanol/ water partition coefficient:</b>	No data available.
<b>9.14 Relative vapor pressure (Air = 1)</b>	No data available.
<b>9.15 Viscosity/mPa*s:</b>	Refer to product specification.

**10.STABILITY AND REACTIVITY**

<b>10.1 Conditions to avoid:</b>	Avoid heat and UV light and other high-energy light.
<b>10.2 Substances to avoid:</b>	High temperature, Fire, Water.
<b>10.3 Polymerization hazards:</b>	Harmless.
<b>10.4 Taboo Substance:</b>	Strong oxidant、 Strong alkali、 Strong acid.
<b>10.5 Stability:</b>	The product is stable under normal conditions.

**11.TOXICOLOGICAL INFORMATION**

11.1	<b>Health Hazard</b>	It may cause eye irritation and skin allergy, avoid ingestion.
11.2	<b>Acute toxicity:</b>	No
11.3	<b>Inhalation:</b>	Long term excessive inhalation may cause dizziness.
11.4	<b>Skin Contact:</b>	There is no obvious stimulation in short-term contact, and long-term contact may cause allergic reaction.
11.5	<b>Ingestion:</b>	Long term massive ingestion may damage the internal system or organs of the body.
11.6	<b>Teratogenicity</b>	No
11.7	<b>Carcinogenicity:</b>	No
11.8	<b>Gene Mutagenicity:</b>	No

**12.ECOLOGICAL INFORMATION**

12.1	<b>Environmental impact and its distribution:</b>	Liquid substance,insoluble in water. Not expected to be hazardous.
12.2	<b>Environmental impact:</b>	No harmful effect on biological organism.
12.3	<b>Impact on waste water treatment plant:</b>	It can not predict harmful effects on bacteria.
12.4	<b>Bio-accumulation:</b>	No accumulation ability.

**13.DISPOSAL CONSIDERATIONS**

13.1	<b>Disposal methods of products:</b>	Do not drain into the sewer or ground,dispose of waste in accordance with local regulations.
13.2	<b>Packaging waste disposal method:</b>	Dispose of waste in accordance with local regulations.

**14.TRANSPORT INFORMATION**

14.1	<b>Road and Rail Transportation:</b>	Unrestricted.
14.2	<b>Sea Transportation (IMDG) :</b>	Not IMDG Code.
14.3	<b>Air Transportation (IATA) :</b>	Not IATA Regulation.

**15.REGULATORY INFORMATION**

<b>15.1</b>	<b>Applicable laws and regulations:</b>	Regulations on the safe use of chemicals in the workplace [(1996) LBF No. 423] have made corresponding regulations on the safe use, production, storage, transportation, loading and unloading of hazardous chemicals.
		<b>Chemical Inventory:</b>
	<b>IECSC:</b>	All components are listed or exempted.
	<b>KECL:</b>	All components are listed, exempted or announced..
	<b>EINECS:</b>	All components are listed or exempted.
<b>15.2</b>	<b>TSCA:</b>	All chemical components in this article are listed in the TSCA chemical substances catalogue or exempted from the TSCA chemical substances catalogue.
	<b>MITI:</b>	All ingredients are listed in ENCS or its exemption.
	<b>DSL:</b>	All chemical components in this article are listed in the DSL chemical substances catalogue or exempted from the DSL chemical substances catalogue.
	<b>AICS:</b>	All components are listed or exempted.
	<b>PICCS:</b>	One or more ingredients are not listed or exempted.

**16.OTHER INFORMATION****16.1 Reference Documents**

Relevant laws and regulations; Application of organosilicon products; Analysis and Test technology

**16.2 Tabulation Department**

Technology Department of Foshan Tian Bao Li Silicon Engineering Technology Co., Ltd