Shandong Baolongda Industry Group Co., Ltd.

Material Safety Data Sheet

IMPORTANT: Provide this information to employees, customers, and users of this product. Read this MSDS before handling or disposing of this product. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirement of this standard. All abbreviated terms used in this MSDS are further described in Section 16.

Section 1 - Chemical Product/Company Information

Product Name: Silicone Sealant

Brand Name: BLD

Model Number: BLD-333

Revision Date: 30/06/2020

Supercedes: 30/06/2020

Manufacture: Shandong Baolongda Industry Group Co., Ltd.
NO.008 Yinglong Road, Longshan High-tech Industrial Park, Linqu County, Shandong Province, 262618, China.
+86 (536) 3350888(non-emergency matters)

Section 2 - Composition/Information on Ingredients

Chemical Name	CAS No	WT%
Cyclohexane	110-82-7	5%
Kaolin	1332-58-7	20%-30%
Heptane	426260-76-6	5%-10%
limestone	1317-65-3	10%-20%

Section 3 - Hazards Identification

Primary routes of exposure: Inhalation, Skin contact, Eye contact;
Ingestion
Effects of overexposure
Inhalation: Irritating to respiratory tract. Prolonged inhalation may
Cause loss of appetite, fatigue, drowsiness, dizziness and/or lightheadedness, headache, incoordination, nausea, vomiting, diarrhea, coughing, central nervous system depression, poisoning, narcotic effects or anesthesia, breathing difficulties, convulsions, pneumoconiosis, unconsciousness, suffocation.
Skin contact: Irritating to skin. May cause skin irritation. Prolonged or repeated contact may cause dermatitis, defatting, severe skin irritation or burns.
Eye contact: Irritating to eyes. Prolonged or repeated contact may cause conjunctivitis, blurred vision, tearing of eyes, red eyes, severe eye irritation, severe eye irritation or burns.
Ingestion: Ingestion may cause damage from lung inflammation

Aspiration of material into the lungs, fatigue, drowsiness, dizziness

and/or dizziness, headache, incoordination, nausea, vomiting, diarrhea, gastrointestinal disturbances, abdominal pain, central nervous system depression, respiratory problems,

poisoning, difficulty breathing, pulmonary edema, convulsions, loss of consciousness.

Medical conditions aggravated by exposure:

Eyes, skin, respiratory disorders, lung disorders,

Heart disorders, respiratory disorders, skin disorders

Section 4-First Aid Measures

Inhalation: Remove to fresh air. Restore and support continued breathing. Go to emergency medical attention. Administer oxygen as necessary by trained personnel. Get medical attention if breathing is difficult.
Skin Contact: Wash thoroughly with soap and water. If any product
remains, gently rub petrolatum, vegetable or mineral/baby
OILONTO skin. Repeated applications may be necessary. Take off contaminated clothing. Wash contaminated clothing before reuse.
Eye Contact: Rinse immediately with plenty of water, especially under eyelids for at least 15 minutes. Get medical attention if irritation or other effects persist.
Ingestion: If swallowed, get medical attention immediately.

Section 5-Fire Fighting Measures

Flash Point (set): 1F/-17C, Lower Explosion Limit: 1.2%
Upper Explosion Limit: 6.7%
Extinguishing Agents: Dry Powder or Foam, Water Mist, Carbon Dioxide

Unusual Fire and Explosion Hazards
Closed containers exposed to extreme heat or fire may explode. Vapors may explode at ambient temperatures. Vapors are heavier than air and can travel a long distance to reach the ignition source and reflect back. Vapors at elevated temperatures can form explosive mixtures in air.
Closed containers may rupture if exposed to extreme heat or fire. May
Decompose under fire conditions, releasing irritating and/or toxic gases.
Firefighting Procedures
Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing, goggles, and self-contained breathing apparatus.
Hazardous Decomposition or Combustion Products
Carbon Monoxide, Carbon Dioxide, Acrolein, Methane, Aldehydes, Toxic Gases, Calcium Oxides, Ketones
Revision Date: 20/2/20 SDS Number: LKJNJ/SDS-002

Section 6-Accidental Release Measures

Actions to be taken in case of leakage or spillage of material
Observe all applicable health and environmental regulations. Eliminate all sources of ignition. Ventilate area with explosion-proof equipment. Spills may be collected with absorbent material. Use non-sparking tools. Evacuate all unnecessary personnel. Place collected material in appropriate containers. Wet spills with water. Complete personal protective equipment must be used when cleaning up.
Large Spills: Close leak if safe to do so. Dike and control leak. Pump into storage or salvage vessel. Pick up excess residue with absorbent. Keep recyclable material and flush water from sewers and waterways.

Small Spills: Pick up residue with absorbent and dispose of properly.

Section 7-Handling and Storage

Store below 80 degrees F. Keep away from heat, sparks and open flame. Other Precautions
Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes and avoid breathing vapors. Wash hands thoroughly after handling, especially before eating or smoking. Keep container tightly closed and upright when not in use. Avoid environments that generate respirable particles such as spraying or grinding (sanding) painted surfaces. If these conditions cannot be avoided, use appropriate respiratory protection as directed under Exposure Controls/Personal Protection. Empty containers may contain hazardous residues. Ground equipment during handling to prevent static buildup.

Section 8-Exposure Control/Personal Protection

Common name: Cyclohexane
Cas number: 110-82-7
Acgih (twa): 100ppm osha (twa): 300ppm
Common name: Limestone
Cas number: 1317-65-3
Acgih (twa): 10 mg / m3 osha (twa): 5 mg / m3
Common name: Clay
Cas number: 1332-58-7
Acgih (twa): 2mg / m3 osha (twa): 5mg / m3
Common name: Titanium dioxide
Cas number: 13463-67-7
Acgih (twa): 10 mg / m3 osha (twa): 10 mg / m3
Common name: Heptane
Cas number: 142-82-5
Acgih (twa): 400ppm osha (twa): 500ppm
Sulfuric acid: 500ppm
Common name: crystalline silica, quartz
Cas number: 14464-46-1
Acgih (twa): 0.025 mg / m3 osha (twa): 0.05 mg / m3
Common name: quartz
Cas number: 14808-60-7
Acgih (twa): 0.025 mg / m3 osha (twa): 0.1 mg / m3
Common name: light aliphatic solvent naphtha (petroleum)
Cas number: 64742-89-8
Osha (twa): 300 PPM
Common name: hydrotreated light distillates
Cas number: 68410-97-9
Osha (twa): 500ppm

Respiratory protection
Control environmental concentrations below applicable exposure levels
Standards for use of this material. When respiratory protection is
determined to be necessary, use a NIOSH/MSHA (Canada Z94.4) approved
elastomeric-sealing facepiece respirator equipped with
organic vapor cartridge and paint spray (dust/mist) prefilter.
Determine proper level of protection by delivering appropriate air
monitoring. Consult 29 CFR1910. 134 regarding respirator selection (Canada Z94.4).

Ventilation

Provide dilution ventilation or local exhaust to prevent vapor accumulation. Use explosion-proof equipment. Use non-sparking equipment.

Personal Protective Equipment

Eyewash solution, safety shower, safety glasses or goggles;

Impermeable gloves, impermeable clothing, face shield

Section 9-Physical and Chemical Properties

Appearance: Paste

Melting Point: Not available

Boiling Point: (f / c): 182-220/ 83- 104

Specific Gravity: 1.22

Solubility in Water: Not available

PH: Not available

Volatility Percent by Volume: 56.23

Explosive Property: Not available

Section 10-Stability and Reactivity

Under normal conditions: Stable (see Section 5 Firefighting measures)

Material to avoid: Oxidizing agents, acids, halogens, ammonium salts, peroxides, styrene monomer

Conditions to avoid: High temperatures, contact with oxidizing agents, sparks, open flames, ignition sources

Hazardous polymerization: Will not occur

Section 11-Toxicological Information

Common Name: Cyclohexane
Cas Number: 110-82-7
National Toxicology Program Number
Ld50: > 180.00 gm / kg SKN RBT No osha No acgih
Ld50: 12.70 gm / kg Rat
Lc50: 70 ppm
Common Name: Limestone
Cas Number: 1317-65-3
National Toxicology Program Number
Ld50: 6450.00 mg / kg World Rat No osha No acgih No
Common Name: Clay
Cas Number: 1332-58-7
National Toxicology Program Number
Common Name: Titanium Dioxide iarc No osha No acgih No
Cas Number: 13463-67-7
Carcinogenicity: National Toxicology Program (NTP) Yes 2b iarc Yes 2b osha No acgih No
Ld50: 24.00 gm / kg rat
Lc50: 6820.00 mg / m3 / 4hr rat
Common name: heptane
Cas number: 142-82-5
National Toxicology Program listed carcinogenicity: no iarc, no osha, no acgih
Ld50: 222.00 mg / kg ivn mou
Common name: crystalline silica, quartz
Cas number: 14464-46-1
National Toxicology Program listed carcinogenicity is iarc is 1 osha is not acgih is a2
Common name: quartz

Cas number: 14808-60-7

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National Toxicology Program listed carcinogenicity is iarc is 1 OSHA is not ACGIH is A2
Common Names: Heptane, Branched Alkanes, Cycloalkanes and Linear Alkanes
Cas Number: 426260-76-6
National Toxicology Program Listed Carcinogenicity: No IARC, No OSHA, No ACGIH
Common Name: Light Aliphatic Solvent Naphtha (Petroleum)
Cas Number: 64742-89-8
National Toxicology Program Number
Ld50: > 3.16 gm/kg SKN RBT
Ld50: > 5.00 gm/kg kg rat
Common Name: Resin
Cas Number: 68131-89-5
National Toxicology Program Number
Common Name: Hydrotreated Light Distillates
Cas Number: 68410-97-9
Carcinogenicity: National Toxicology Program Number iarc Number
Common Name: Styrene-Butadiene Polymer
OSHA No
Worker No
Worker No
Worker No
Cas Number: 9003-55-8

National Toxicology Program Number

Supplemental Health Information
Contains chemicals that can be absorbed through the skin.
Caution: Reports indicate that repeated and prolonged occupational overexposure to solvents is associated with permanent brain and nervous system damage. Intentional misuse through intentional concentration and inhalation of contents may be harmful or fatal. Other effects of overexposure may include toxicity to the central nervous system.
Carcinogenicity: Contains crystalline silica, which is considered an
inhalation hazard. Iarc classifies crystalline silica as
carcinogenic to humans (Group 1). Crystalline silica is also a known cause of silicosis, a noncancerous lung disease. The National Toxicology Program (NTP) has classified crystalline silica as a known human carcinogen. In a lifetime inhalation study, exposure to 250 mg/m3 titanium dioxide caused the development of lung tumors in rats. These tumors occurred only when dust levels exceeded the animals' lung clearance mechanisms and were different in type and location from common human lung tumors. The relevance of these findings to humans is unclear but is questionable. The International Agency for Research on Cancer (IARC) has classified titanium dioxide as a possible human carcinogen (Group 2B) because of insufficient evidence of carcinogenicity and sufficient evidence of carcinogenicity in humans and experimental animals.
Reproductive Effects: No reproductive effects are expected

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Mutagenicity: No mutagenic effects are expected

Teratogenicity: No teratogenic effects are expected

Section 12-Ecological Information

12.1 **Environmental Fate and Distribution**

Solid material, insoluble in water. No adverse effects affects are predicted.

12.2 **Environmental Effects**

No adverse effects on aquatic organisms are predicted.

Bioaccumulation: No bioaccumulation potential

12.3 **Fate and Effect in Waste Water Treatment Plants**

No adverse effects on bacteria are predicted.

Section 13-Disposal Information

Disposal Information: Dispose of material in accordance with all federal, state and local regulations. State and Local regulations/restrictions is complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste.

Section 14-Transportation Information

Sea Transport (IMDG): Not subject to IMDG code. Air.

Transport (IATA): Not subject to IATA regulations.

Special Requirements and Additional Information: None.

Section 15-Regulatory Information

15.1 **Toxic Chemicals:**

No subject chemicals

15.2 **Observational Chemicals:**

No subject chemicals

15.3 **Prohibited Chemicals:**

No subject chemicals

Section 16-Other Information

IMPORTANT ADVICE: This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Shandong Baolongda Industry Group Co., Ltd. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

Company Name: Shandong Baolongda Industry Group Co.,Ltd.
Date: 30/06/2020