



# 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:** MS Sealant

**Brand Name:** BLD

**Model Number:** BLD-688

**Revision Date:** 30/06/2024

**Supersedes:** 30/06/2024

**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%
Fumed silica	112945-52-5	13%
Silane-modified polyether resins	63148-62-9	46%
Dioctyl phthalate	93952-13-7	40%
Silane coupling agent	2530-85-0	1%

## Section 3 - Hazards Identification

### Health Effects

**Acute-Swallowed:** May cause irritation of the gastrointestinal system. Symptoms may include nausea, vomiting and diarrhea.

**Acute-Eye:** Irritating to eyes. Symptoms may include redness, excessive tearing, stinging and swelling.

**Acute-Skin:** Irritating to skin. Symptoms may include redness and itchiness. Repeated or prolonged skin contact may lead to dermatitis. May cause sensitization by skin contact.

**Acute-Inhaled:** May cause irritation to respiratory system. Symptoms may include headache, nausea and dizziness.

**Chronic Hazards:** Possible risk of irreversible effects. Male rodents exposed to MEKO vapor throughout their lifetime developed liver cancer. Additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable.

The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or expert review of the product.

## Section 4-First Aid Measures

**First Aid-Eye Contact:** In case of contact, immediately flush eyes with large quantities of water for at least 15 minutes until irritation subsides. Get medical attention immediately.

**First Aid-Skin Contact:** Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical aid if symptoms persist. Remove and wash contaminated clothing.

**First Aid-Inhalation:** If inhaled, remove to fresh air. If breathing is difficult, leave the area to obtain fresh air. If continued breathing difficulty is experienced, get medical attention immediately.

**First Aid-Ingestion:** If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately. If ingested, drink 2 glasses of water. Immediately see a physician. Never give anything by mouth to an unconscious person.

**Note to Physician:** No Information.

**COMMENTS:** Call medical Emergency at if any irritation or complication arises from any of the above routes of entry.

## Section 5-Fire Fighting Measures

**Fire/Explos, Hazard:** Product is non-flammable.

**Hazardous Combustion:** Combustion products include oxides of metal, oxides of carbon, silicon dioxide, nitrogen oxides and formaldehyde.

**Hazardous decomposition or Byproducts:** Oxides of metal, oxides of carbon, silicon dioxide, nitrogen oxides and formaldehyde.

**Fire Fighting Precautions:** Fire fighters should wear full protective clothing and self-contained breathing apparatus.

**Extinguishing Media:** Use dry chemical, carbon dioxide, foam or water spray to extinguish fire. Use water spray to cool storage tanks, pipelines and fire-exposed surfaces.

**Hazchem Code:** None Allocated.

## Section 6-Accidental Release Measures

**Steps To Be Taken If Material Is Released or Spilled:** Wear appropriate personal protective equipment and clothing to minimize exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible, contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable

labeled container for subsequent disposal. Dispose of waste according to the Environmental Protective Authority (EPA), federal, state and local regulations. If large quantities of this material enter the waterways contact the EPA, or your local Waste Management Authority.

**Disposal Consideration:** Dispose of waste according to Environmental Protection Authority, federal, state and local regulations.

## Section 7-Handling and Storage

**Handling:** Open containers cautiously as contents may be under pressure. Use only in a well-ventilated area. DO NOT store in confined space. Do not enter checked. Keep tank covered and containers sealed when not in use. Build up mists. DO not use near welding or other ignition sources and avoid sparks. Do not smoke. When dealing with large quantities, repeated or prolonged exposure without protection should be prevented in order to lessen the possibility of disorders. It is essential that all who come into contact with this material, maintain high standards of personal hygiene i.e., Washing hands prior to eating, drinking, smoking or using toilet facilities.

**Storage:** Store in a cool, dry, well-ventilated area away from sources of ignition, oxidizing agents, foodstuffs, clothing and out of direct sunlight. Protect from moisture. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharge. Use proper grounding procedures. Do Not pressurize, cut, heat or weld containers as they may contain hazardous residues.

## Section 8-Exposure Control/Personal Protection

**Precautionary Measures:** No Information.

**Exposure Limits:** No Value assigned for this specific material by the Australian National Occupational Health and Safety Commission (NOHSC) or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labor. As with all chemicals, exposure should be kept to the lowest possible levels.

**Engineering Controls:** Provide sufficient ventilation. Where vapors or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment. A NIOSH approved air purifying respirator with an organic vapor cartridge or canister may be necessary under certain circumstances where airborne concentrations are expected to exceed exposure limits. A respiratory protection program that meets the OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Eye Protection:** Safety glasses with side shields or face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e., Methods of handling or engineering controls and according to risk assessments undertaken.

**Glove Type:** Impervious gloves recommended. Final choice of appropriate gloves will vary according to individual circumstances i.e., methods of handling or according to risk assessments undertaken.

**Clothing:** Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

**Other Information:** No biological limit allocated.

**Hygienic Practices:** Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.

## Section 9-Physical and Chemical Properties

**Appearance:** Transparent paste

**Tack-Free Time(min):** 9

**Curing Speed (mm/d):** 5mm

**Odor:** Not odor

**Melting Point:** Not available

**Extrusion:** 400ml / min

**Hardness (Shore A):** 42

**Physical State:** Paste

## Section 10-Stability and Reactivity

**Conditions to Avoid:** Extremes of temperature and direct sunlight.

**Hazardous Reaction:** Hazardous reaction with oxidizing agents.

**Hazardous Decomposition Products:** Oxides of metal, oxides of carbon, silicon dioxide, nitrogen oxides and formaldehyde.

**Stability:** Stable under normal conditions of storage and handling.

## Section 11-Toxicological Information

**Toxicology:** No toxicity data is available for this product.

**Reproductive Toxicity:** Octamethylcyclotetrasiloxane.

**Mutagenicity:** None known.

**Carcinogenicity:** None known.

**Risk Statement:**

R43 May cause sensitization by skin contact.

R40(3) Possible risk of irreversible effects.

R36/38 Irritating to eyes and skin.

**Safety Statement:**

S45 In case of accident or if you feel unwell seeks medical advice immediately

S24/25 Avoid contact with skin and eyes.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

**Bioaccumulation:** No data available for this specific material.

**Ecotoxicity:** NO data available for this specific material.

**Persistence/Degradability:** No data available for this specific material.

**Mobility:** NO data available for this specific material

## Section 12-Ecological Information

**Ecological Information:** Do not allow product to enter drains, waterways or sewers.

## 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

**Hazard Category:** Harmful, Irritant.

IECSC: All ingredients listed or exempt.

KECL: All ingredients listed, exempt or notified.

MITI: All components are listed on ENCS or its exempt rule.

**TSCA(USA):** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**AICS(Australia):** All ingredients listed or exempt.

**DSL(Canada):** All chemical substances in this material are included on or exempted from the DSL.

**PICCS(Philippines):** All ingredients listed or exempt.

**EINECS/ELINCS(EC):** EINECS: All ingredients listed or exempt.

## **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:** 30/06/2024