

大连福昌化学有限公司

DALIAN FUCHANG CHEMICAL CO., LTD.

Add:R419,#570,Changjiang Rd, Dalian City, Liaoning Province, China

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SILICON DIOXIDE

COMPANY IDENTIFICATION:

DALIAN FUCHANG CHEMICAL CO., LTD.

ADDRESS: R419,#570,Changjiang Rd, Dalian City, Liaoning Province, China

TEL: 0086 411 83607405-601

FAX: 0086 411 83607405-606

24-HOUR EMERGENCY TELEPHONE NUMBERS: 0086 411 83675840

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Product name: Silicon Dioxide

Ingredient	Concentration	CAS No.	EC No.
Silicon Dioxide	≥98%	7631-86-9	231-545-4

SECTION 3 HAZARDS IDENTIFICATION

Hazards Identification: This substance is considered to be non-hazardous for transport.

EMERGENCY OVERVIEW: Irritating to eyes and respiratory system.

SECTION 4 FIRST-AID MEASURES

Skin Exposure: In case of contact, immediately wash skin with soap and copious amounts of water. If irritation persists, call a physician.

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Inhalation Exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Oral Exposure: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

SECTION 5 FIRE FIGHTING MEASURES

大连福昌化学有限公司

DALIAN FUCHANG CHEMICAL CO., LTD.

Add:R419,#570,Changjiang Rd, Dalian City, Liaoning Province, China

Extinguishing Media:

Suitable: water spray, Dry chemical powder, Carbon dioxide or appropriate foam.

Firefighting:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific hazards: Emit toxic fumes under fire conditions.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Procedures of Personal precautions:

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

Methods for cleaning up:

Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust.

Ventilate area and wash spill site after material pickup is completed.

SECTION 7 HANDLING AND STORAGE

Handling:

Wear appropriate protective clothing and chemical safety gloves. Avoid breathing dust. Avoid contact with eyes, skin. Mechanical exhaust required. Keep away from ignition sources, heat and flame.

Incompatibilities: strong oxidizing agents, strong acids, strong bases, hydrogen fluoride and foods. No smoking at working site.

Storage:

Store in a cool, well-ventilated area. Keep away from ignition sources, heat and flame. Store in tightly closed container. Incompatibility: strong oxidizing agents, strong acids, strong bases, hydrogen fluoride and foods.

SECTION 8 EXPOSURE CONTROL/PPE

Engineering Controls: Use ventilation equipment if available. Safety shower and eye bath. Personal Protective Equipment:

Respiratory: Government approved respirator. Eye: Wear chemical safety goggles.

Clothing: Wear appropriate protective clothing.

Hand: Wear appropriate protective gloves.

Other Protect: No smoking, drinking and eating at working site. Wash thoroughly after handling.

大连福昌化学有限公司

DALIAN FUCHANG CHEMICAL CO., LTD.

Add:R419,#570,Changjiang Rd, Dalian City, Liaoning Province, China

Exposure Limits:

Country	Source	Type	Value
USA	MSHA(Standard-dust)	TWA	20MPPCF

SECTION 9 PHYSICAL /CHEMICAL PROPERTIES

Appearance and odor; White powder, odorless

Melting point: >300°C

pH: 6-7

Solubility: Slightly soluble in water

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable under normal temperatures and pressures. Conditions to Avoid: Moisture.

Materials to Avoid: Strong oxidizing agents, strong acids, strong bases, hydrogen fluoride.

Hazardous Polymerization: will not occur.

Hazardous Decomposition Products: Silicon oxide, Silicon dioxide.

SECTION 11 TOXICOLOGICAL

INFORMATION Toxicity Data: Oral Rat

LD503160mg/kg.

Irritation Data: Irritating to eyes and respiratory system.

Target Organ(s) or System(s): Lungs.

IARC Carcinogen List: Rating Group 3

SECTION 12 ECOLOGICAL INFORMATION

No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

Appropriate Method of Disposal of substance:

Spent or discarded material is not belong to hazardous waste. Contact s licenced professional waste diaposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environment regulations.

SECTION 14 TRANSPORT INFORMATION

DOT

Non- Hazardous for Transport: This substance is considered to be non-hazardous for transport.

大连福昌化学有限公司

DALIAN FUCHANG CHEMICAL CO., LTD.

Add:R419,#570,Changjiang Rd, Dalian City, Liaoning Province, China

ADR / RID Class: None

Non-Hazardous for transport: This substance is considered to be non-hazardous for transport.

IATA

Non- Hazardous for Air Transport: Non-hazardous for air transport.

IMO

Non- hazardous for Sea Transport: Non- hazardous for sea transport.

UN Number: None

SECTION 15 REGULATORY INFORMATION

EU Additional Classification:

Hazard symbols: Xi

R: 36/37

Risk Statements: Irritating to eyes and respiratory system. S:

26 37/39

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective gloves and eye/face protection.

SECTION 16 OTHER INFORMATION

Date: July 22, 2008

Department: Shanghai Research Institute of Chemical Industry Testing Center

Shanghai Classification and Testing Center of Dangerous Chemical for State Work Safety

Tel(Fax): 8621-52815377/52800971/52807275/52811034

Revision: 0

Other Information

The MSDS is prepared in accordance with ISO 11014-1: 1994.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.