



Haochuang Material

Shandong Haochuang Material co. ,ltd

South Street,Economic development zone,Dezhou city ,Shandong Province

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## MATERIAL SAFETY DATA SHEET

### SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** FUMED SILICA HCSIL 153, HCSIL203,HCSIL 383

**Chemical Name:** Silicon Dioxide treated with HMDS (HexaMethyDiSilazane)

**PRODUCT NAME:** Hydrophobic silicon dioxide,( Silicon Dioxide, Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-,reaction products with silica )

**COMPANY IDENTIFICATION:**

SHANDONG HAOCHUANG MATERIAL CO. ,LTD

ADDRESS:ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, DEZHOU CITY, SHANDONG PROVINCE, CHINA

TEL.:0086 534-8899001

FAX: 0086 534-8899001

**24-HOUR EMERGENCY TELEPHONE NUMBERS:** 0086 13361531916

### SECTION2 COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms:** Synthetic Amorphous Silica, Pyrogenic Silica, Hydrophobic Fumed silica

CAS No.	Chemical name	Weight %	EU Classification
68909-20-6	Silicon Dioxide treated with HexaMethyDiSilazane	100%	None

### 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 15minutes. 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.

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

## **SECTION 5 FIRE FIGHTING MEASURES**

**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.



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## SECTION 8 EXPOSURE CONTROL/PPE

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**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.

**Exposure Limits:**

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

## SECTION 9 PHYSICAL /CHEMICAL PROPERTIES

**A. Appearance**

Description : Solid

Color : White

**B. Odor :** Odorless

**C.pH 5.5 - 7.5 (40 g / l) (20 °C) Medium:** water / methanol 1: 1 in suspension

**D. Vapor density :** Not available

**E. Melting point/freezing point :** Not available

**F. Initial boiling point and boiling range :** Not available

**G. Flash point :** > 279 °C

**H. Evaporation rate :** Not available

**I. Flammability (solid, gas) :** Not available

**J. Upper/lower flammability or explosive limits :** Not available

**K. Vapor pressure :** Not available

**L. Solubility (ies) :** Not available

## 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.

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**Hazardous Decomposition Products:** Silicon oxide, Silicon dioxide.

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#### 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 of 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 combustibile 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.

**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

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## **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, 2018**

**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.**

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