

MSDS Report

Samples

CHINA CLAY

Client Unit

TOPCOD FOSHANSHUNDE INDUSTRY
LTD.

Client Address

The First One Industry Area, Jibei, Longjiang
Town, Shunde District, Foshan City, Guangdong,
China.

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name: CHINA CLAY

Manufacture: TOPCOD FOSHANSHUNDE INDUSTRY LTD.

Address: The First One Industry Area, Jibei, Longjiang Town, Shunde District,
Foshan City, Guangdong, China.

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Section 2 - Composition/Information on Ingredient

Chemical Name	Formula	CAS No.	In % By Weight
Silicon dioxide	SiO ₂	7631-86-9	65.7
Titanium dioxide	TiO ₂	13463-67-7	0.3
Alumina	Al ₂ O ₃	1344-28-1	17.3
Iron oxide	Fe ₂ O ₃	1309-37-1	2.8
Manganese oxide	MnO	1344-43-0	3.2
Calcium oxide	CaO	1305-78-8	0.04
Magnesium oxide	MgO	1309-48-4	3.6
Potassium oxide	K ₂ O	12136-45-7	0.3

Section 3 - Hazards Identification

Eye

May cause eyes irritation.

Skin

May cause skin irritation, drying. May be absorbed through the skin.

Inhalation

May cause irritating to the respiratory tract. May cause pneumoconiosis, Pulmonary fibrosis, and silicosis. May be harmful if inhaled.

Ingestion

May be harmful if ingested.

Section 4 - First Aid Measures

Eye

Immediately rinse thoroughly with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical advice if need.

Skin

Immediately flush skin with plenty of water at least 15 minutes. Remove contaminated clothing/shoes. Follow by washing with soap and water. If irritation persists, get medical attention. Do not reuse clothing until cleaned.

Inhalation

Remove victim to fresh air. If not breathing, give artificial breathing. If breathing is difficult, give oxygen. Consult a physician.

Ingestion

Do not induce vomiting. Consult a physician.

Section 5 - Fire Fighting Measures

Flammability

Non-flammable.

Extinguishing Media

Substances is noncombustible. Use agent most appropriate to extinguishing

surrounding fire, such as carbon dioxide, dry chemical powder, foam.

Firefighting

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

Special Fire or Explosion Hazard

Magnesium oxide reacts violently or ignites with interhalogens such as chlorine trifluoride or bromine pentafluoride, and incandescently with phosphorus pentachloride.

Hazardous Combustible Products

Emits toxic fumes under fire condition.

Section 6 - Accidental Release Measures

Steps to be taken in case material is spilled or released

Ventilate and evacuate area. Wear appropriate personal protective equipment as specified in Section 8. Wet sweep up and containerize for reclamation or disposal, using a method that does not generate dust. Collect as much of the spilled material as possible, placed the spilled material into a suitable disposal container. Keep spilled material out of sewers, ditches and bodies of water.

Waste Disposal Method

Use Waste Disposal Methods in accordance with local rules and regulations.

Section 7 - Handling and Storage

Handling Procedures

Keep containers closed when not in use. Minimize dust generation and accumulation. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Wash skin with soap and water after contact. Empty containers may contain product residue. Do not reuse and damage empty container.

Storage Requirements

Store in a cool, dry and well-ventilated place. Consumption of food and beverage should be avoided in work areas. Wash hands with soap and water before eating, drinking. Keep away incompatible substances, such as strong oxidizing agents, strong acid, strong basis, hydrofluoric acid, fluorine, oxygen

difluoride, chlorine trifluoride, manganese trioxide, interhalogens, ethylene oxide, sodium nitrate.

Section 8 - Exposure Controls, Personal Protection

Respiratory Protection

Appropriate vapor canister, self-contained breathing apparatus or supplied-air hose mask, if needed.

Ventilation

Sufficient, in volume and pattern, to keep workroom concentration below current applicable OSHA safety and health requirements.

Personal Protection

Safety glasses, protective gloves, and lab coat, eye washer and safety shower if needed.

Exposure Limits

Silicon dioxide

ACGIH TLV 10mg/m³ (Total; TWA)

OSHA PEL 10mg/m³(Total; TWA)

Titanium dioxide

OSHA PEL 15mg/m³ (Total); 5mg/m³ (Respirable)

ACGIH TLV 10mg/m³ (Total-TWA); 5mg/m³ (Respirable)

Alumina

ACGIH TWA 10mg/m³.

OSHA PEL 15mg/m³ TWA (Total dust) ; 5mg/m³ TWA (Respirable fraction).

Iron oxide

OSHA PEL 10mg/m³ (Fume).

ACGIH TLV 5mg/m³ (Fume).

Calcium oxide

ACGIH TLV 2mg/m³.

OSHA PEL 5mg/m³/ 8 hours (TWA).

NIOSH TWA 2mg/m³.

Magnesium oxide

OSHA PEL 15mg/m³ (TWA); 5mg/m³ (TWA) respirable fraction.

ACGIH TLV 10mg/m³ (TWA) inhalable fraction; NIOSH TWA 5mg/m³.

Section 9 - Physical and Chemical Properties

Flammability: Non-Flammable.

Solubility: Be difficult to soluble in water.

Appearance characters: Gray-brown with odorless solid particle.

Chemical uses: Desiccant.

Section 10 - Stability and Reactivity

Storage Stability

Stable under recommended storage conditions.

Incompatibilities

Humidity, air, excess dust generation, strong oxidizing agents, strong acid, strong basis, hydrofluoric acid, fluorine, oxygen difluoride, chlorine trifluoride, manganese trioxide, interhalogens, ethylene oxide, sodium nitrate.

Hazardous Combustible Products

Emits toxic fumes under fire condition.

Hazardous Polymerization

Will not occur.

Section 11 - Toxicological Information

Silicon dioxide

Oral LD50 for Rat: >10000mg/kg.

Dermal LD50 for Rabbit: >5000mg/kg.

Titanium dioxide

Oral LD50 for Rats: >7500mg/kg

Iron oxide

Oral LD50 for Rat: \geq 5000mg/kg.

Section 12 - Ecological Information

Report spills as required to appropriate authorities. U.S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks.

Section 13 - Disposal Considerations

All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded, may be a regulated waste. Refer to state and local regulations. If regulated solvents are used to clean up spilled material, the resulting waste mixture may be regulated. Department of Transportation (DOT) regulations may apply for transporting this material when spilled.

Section 14 - Transport Information

Not a hazard material or hazard goods for transportation.

Transport Fashion: By road.

Section 15 - Regulatory Information

Law Information

<<Technical Instructions for the Safe Transport of Dangerous Goods>>

<<Dangerous Goods Regulation>> (IATA)

<<International Maritime Dangerous Goods>>

OSHA Hazards

TSCA Status

DSL Status

SARA 302/311/312/313

In accordance with all Federal, State and Local laws.

Section 16 - Additional Information

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

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