



MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT:

PRODUCT NAME: CHINCHEX

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Product name: Chinchex

Ingredient	Concentration	CAS No.	EC No.
Amorphous silica gel (4types)	≥99%	7631-86-9	231-545-4

SECTION 3 HAZARDS IDENTIFICATION

Hazards Identification: This substance is considered to be non-hazardous according to

GHS. This substance is not classified as dangerous according to Directive 67/548/EEC.

EMERGENCY OVERVIEW: Irritating to eyes and respiratory system.

SECTION 4 FIRST-AID MEASURES

Skin Exposure: Repeated exposure may cause skin dryness or cracking.

Eye Exposure: May cause mechanical irritation. Irritating, but will not permanent. Low hazard for usual industrial or commercial handling.

Inhalation Exposure: Dust may be irritating to respiratory tract. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Ingestion: Health injuries are not known or expected under normal use. Low hazard for usual industrial or commercial handling. However, as a precaution, if swallowed, wash out mouth with water.

Carcinogenic Effects: Does not contain any substances greater than 0.1% listed by IARC, NTP, OSHA, ACGIH or EU.

Target Organ Effects; Lungs.

Medical Conditions Aggravated by Exposure; Asthma, Respiratory disorder



Potential Environmental Effects: No special environmental precautions required.

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.



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.

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 LD50 3160mg/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 to be classified as hazardous waste. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental 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



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, 2013

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.