

## 1. Identification of the substance/preparation and of the company/undertaking

### Identification of the product

Product name: Zinc chloride

### Manufacturer/supplier identification

Company: Guangdong Guanghua Sci-Tech Co.,Ltd

Address: No.295 Daxue Road,Shantou

PostCode:515000

E-mail: [export@jinhuada.com](mailto:export@jinhuada.com)

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Fax No.: +86-754-88221999

## 2. Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Skin corrosion (Category 1B)

Aquatic acute (Category 1)

Aquatic chronic(Category 1)

Acute toxic (Category 4)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Causes burns.

Harmful if swallowed.

Very toxic to aquatic organisms, may cause long-term adverse effects in aquatic environment.

Label elements

Pictogram



Signal word	Warning
Hazard statement(s)	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statement(s)	P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P303+P361+P353 IF ON SKIN(or hair): Remove/Take off immediately all contaminate clothing.Rinse skin with water/shower P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P405 Store locked up. P501 Dispose of contents/ container to an approved
Supplemental Hazard Statements	none

## 3. Composition/information on ingredients



## Material Safety Data Sheet

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### *Synonyms*

Zinc chloride

CAS-No.: 7646-85-7

*M*: 136.28 g/mol

Molecular formula:  $\text{ZnCl}_2$

### 4. First aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

### 5. Fire-fighting measures

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Special protective equipment for fire-fighters

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 6. Accidental release measures

Personal precautions

Avoid dust formation. Avoid breathing vapors, mist or gas.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 7. Handling and storage

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### 8. Exposure controls/personal protection

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.



## Material Safety Data Sheet

### Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Control of environmental exposure

Do not let product enter drains.

## 9. Physical and chemical properties

Form: Crystalline

Colour: White

Odour: not available

pH value: not available

Melting point: 318°C

Boiling point: 730°C

Ignition temperature: not available

Flash point: not available

Autoignition temperature: not available

Explosion limits

lower: not available

upper: not available

Density (25 °C) : ~2.9 g/mL

Bulk density: not available

Solubility in

water (20 °C) : not available

diluted acids (20 °C) : not available

Thermal decomposition: not available

## 10. Stability and reactivity

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

no data available

Materials to avoid

Store away from water.

Hazardous decomposition products

Other decomposition products - no data available

## 11. Toxicological information

Acute toxicity

LD50 Oral - rat - 350 mg/kg

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity



## Material Safety Data Sheet

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no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

### 12. Ecological information

Toxicity

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

Very toxic for fish.

### 13. Disposal considerations

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

### 14. Transport information

ADR/RID

UN-Number: 2331 Class: 8 Packing group: III

Proper shipping name: ZINC CHLORIDE, ANHYDROUS

IMDG

UN-Number: 2331 Class: 8 Packing group: III

Proper shipping name: ZINC CHLORIDE, ANHYDROUS

Marine pollutant: no

IATA

UN-Number: 2331 Class: 8 Packing group: III

Proper shipping name: ZINC CHLORIDE, ANHYDROUS

### 15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### 16. Other information

General update.



## Material Safety Data Sheet

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*Regional representation:*

This information is given on the authorised Safety Data Sheet for your country.