

## SAFETY DATA SHEET

### 1. IDENTIFICATION

Product name: Strontium Carbonate

CAS No. : 1633-05-2

Brand: Macklin

Company: Shanghai Macklin Biochemical Co.,Ltd.

Address: Shanghai Pudong Zhangjiang High-tech Park; 1st Building, 68 Huatuo Road; SHANGHAI CHINA

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### 2. HAZARDS IDENTIFICATION

GHS classification

PHYSICAL HAZARDS

no data available

HEALTH HAZARDS

no data available

ENVIRONMENTAL HAZARDS

no data available

GHS label elements, including precautionary statements

Pictograms or hazard symbols

Signal word

No signal word

Hazard statements

no data available

Precautionary statements

Prevention

no data available

Response

no data available

Storage

no data available

Disposal

no data available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components:Strontium Carbonate

CAS No.:1633-05-2

Chemical Formula:SrCO<sub>3</sub>

### 4. FIRST AID MEASURES

4.1

Description of necessaryIf inhaled

Fresh air, rest.  
Following skin contact  
Rinse and then wash skin with water and soap.  
Following eye contact  
Rinse with plenty of water for several minutes (remove contact lenses if easily possible).  
Following ingestion  
Rinse mouth. Give one or two glasses of water to drink.  
4.2  
Most important symptoms/effects, acute and delayed  
no data available  
4.3  
Indication of immediate medical attention and special treatment needed, if necessary  
no data available

## 5. FIRE-FIGHTING MEASURES

5.1  
Suitable extinguishing media  
Use dry chemical, carbon dioxide or alcohol-resistant foam.  
5.2  
Specific hazards arising from the chemical  
Not combustible.  
5.3  
Special protective actions for fire-fighters  
In case of fire in the surroundings, use appropriate extinguishing media.

## 6. ACCIDENTAL RELEASE MEASURES

6.1  
Personal precautions, protective equipment and emergency procedures  
Personal protection: particulate filter respirator adapted to the airborne concentration of the substance. Sweep spilled substance into covered containers. If appropriate, moisten first to prevent dusting.  
6.2  
Environmental precautions  
Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.  
6.3  
Methods and materials for containment and cleaning up  
Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

### Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container closed and store in a dry and ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure limit values

no data available

Biological limit values

no data available

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

Personal protective equipment

Eye/face protection  
Wear safety goggles.  
Skin protection  
Protective gloves.  
Respiratory protection  
Avoid inhalation of dust.  
Thermal hazards  
no data available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance and properties shape: Powder

Color: light grey

b) No data on odor

c) No data for odor threshold

d) No data for pH value

e) No data on melting point / freezing point

f) No data for initial boiling point and boiling range

g) Flash point not applicable

h) No data on evaporation rate

i) No data for flammability (solid, gas)

j) High / low flammability or explosion

Sexual limit

No data

k) No data for vapor pressure

l) No data for vapor density

m) Density / relative density 3.7 g / ml at 25 ° C

n) No data on water solubility

o) No data for partition coefficient of n-octanol / water

p) No data for Autoignition Temperature

q) No data for decomposition temperature

r) Viscosity without data

s) No data for explosion characteristics

t) No data on oxidizability

## 10. STABILITY AND REACTIVITY

10.1

Reactivity  
Stable under proper conditions  
10.2  
Chemical stability  
no data available  
10.3  
Possibility of hazardous reactions  
Reacts with acids.  
10.4  
Conditions to avoid  
no data available  
10.5  
Incompatible materials  
no data available  
10.6  
Hazardous decomposition products  
no data available

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity  
Oral: LD50 - rat (female) - > 2 000 mg/kg bw.  
Inhalation: LC50 - rat (male/female) - > 4.5 mg/l water (analytical).  
Dermal: no data available  
Skin corrosion/irritation  
no data available  
Serious eye damage/irritation  
no data available  
Respiratory or skin sensitization  
no data available  
Germ cell mutagenicity  
no data available  
Carcinogenicity  
no data available  
Reproductive toxicity  
no data available  
STOT-single exposure  
May cause mechanical irritation to the eyes and respiratory tract.  
STOT-repeated exposure  
See Notes.  
Aspiration hazard  
A nuisance-causing concentration of airborne particles can be reached quickly.

## 12. ECOLOGICAL INFORMATION

12.1  
Toxicity  
Toxicity to fish: LC50 - *Morone saxatilis* - > 92.8 mg/L - 96 h.  
Toxicity to daphnia and other aquatic invertebrates: LC50 - *Daphnia magna* - 125 000 µg/L - 48 h.  
Remarks: Metal ion -based.  
Toxicity to algae: EC50 - *Pseudokirchneriella subcapitata* (previous names: *Raphidocelis subcapitata*, *Selenastrum capricornutum*) - > 43.3 mg/L - 72 h.  
Toxicity to microorganisms: EC50 - activated sludge of a predominantly domestic sewage - > 100 mg/L - 3 h. Remarks: Respiration rate.  
12.2  
Persistence and degradability  
no data available  
12.3  
Bioaccumulative potential  
no data available

12.4

Mobility in soil

no data available

12.5

Other adverse effects

no data available

## 13. DISPOSAL CONSIDERATIONS

Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

## 14. TRANSPORT INFORMATION

14.1 UN Number

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA-DGR: Not dangerous goods.

14.2 UN Proper Shipping Name

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA-DGR: Not dangerous goods.

14.3 Transport hazard class(es)

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA-DGR: Not dangerous goods.

14.4 Packing group, if applicable

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA-DGR: Not dangerous goods.

14.5 Environmental hazards

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA-DGR: Not dangerous goods.

14.6 Special precautions for user

Not dangerous goods.

14.2266 Incompatible materials

Not dangerous goods.

## 15. REGULATORY INFORMATION

15.1

Safety, health and environmental regulations specific for the product in question

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European Inventory of Existing Commercial Chemical Substances (EINECS)

Not Listed.

EC Inventory

Not Listed.

United States Toxic Substances Control Act (TSCA) Inventory

Not Listed.

China Catalog of Hazardous chemicals 2015

Not Listed.

New Zealand Inventory of Chemicals (NZIoC)

Not Listed.

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

Not Listed.  
Vietnam National Chemical Inventory  
Not Listed.  
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)  
Not Listed.  
Korea Existing Chemicals List (KECL)  
Not Listed.

## 16. OTHER INFORMATION

This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.