

# SAFETY DATA SHEETS

According to Globally Harmonized System of Classification and Labelling of Chemicals (GHS) - Sixth revised edition

Version: 1.0

Creation Date: Aug 16, 2017

Revision Date: Aug 16, 2017

## 1. Identification

### 1.1 GHS Product identifier

Product name Strontium fluoride

### 1.2 Other means of identification

Product number –

Other names strontium, difluoride

### 1.3 Recommended use of the chemical and restrictions on use

Identified uses For industry use only.

Uses advised against no data available

### 1.4 Supplier's details

Company chemicalbook

Address 珠江摩尔大厦 3 号楼

Telephone 400-158-6606

Fax 86-10-69703845

### 1.5 Emergency phone number

Emergency phone number

Service hours Monday to Friday, 9am-5pm (Standard time zone: UTC/GMT +8 hours).

## 2. Hazard identification

### 2.1 Classification of the substance or mixture

Skin irritation, Category 2

Eye irritation, Category 2

Specific target organ toxicity – single exposure, Category 3

### 2.2 GHS label elements, including precautionary statements

Pictogram(s)

Signal word Warning

Hazard statement(s) H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary

statement(s)

Prevention

P264 Wash ... thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

Response

P302+P352 IF ON SKIN: Wash with plenty of water/...

P321 Specific treatment (see ... on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor/...if you feel unwell.

Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Disposal

P501 Dispose of contents/container to ...

#### 2.3 Other hazards which do not result in classification

none

#### 3. Composition/information on ingredients

##### 3.1 Substances

Chemical name	Common names and synonyms	CAS number	EC number	Concentration
Strontium fluoride	Strontium fluoride	7783-48-4	none	100%

#### 4. First-aid measures

##### 4.1 Description of necessary first-aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled**

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

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

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

**4.2Most important symptoms/effects, acute and delayed**

no data available

**4.3Indication of immediate medical attention and special treatment needed, if necessary**

no data available

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**5.Fire-fighting measures**

**5.1Extinguishing media**

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2Specific hazards arising from the chemical**

no data available

**5.3Special protective actions for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary.

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**6.Accidental release measures**

**6.1Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

**6.2Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**6.3Methods and materials for containment and cleaning up**

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

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**7.Handling and storage**

**7.1Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

**7.2Conditions for safe storage, including any incompatibilities**

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

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**8.Exposure controls/personal protection**

**8.1Control parameters**

Occupational Exposure limit values

no data available

#### Biological limit values

no data available

### 8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. 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.

#### Respiratory protection

Wear dust mask when handling large quantities.

#### Thermal hazards

no data available

### 9. Physical and chemical properties

Physical state	White powder
Colour	no data available
Odour	no data available
Melting point/ freezing point	1463° C
Boiling point or initial boiling point and boiling range	2489° C(lit.)
Flammability	no data available
Lower and upper explosion limit / flammability limit	no data available
Flash point	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
pH	no data available
Kinematic viscosity	no data available
Solubility	no data available
Partition coefficient	no data available

n-octanol/water  
(log value)

Vapour pressure      no data available

Density and/or  
relative density      4.24g/mL at 25° C (lit.)

Relative vapour  
density      no data available

Particle      no data available

characteristics

#### 10. Stability and reactivity

##### 10.1 Reactivity

no data available

##### 10.2 Chemical stability

Stable under recommended storage conditions.

##### 10.3 Possibility of hazardous reactions

no data available

##### 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: no data available
- Inhalation: no data available
- 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
no data available
STOT-repeated exposure
no data available
Aspiration hazard
no data available
<b>12.Ecological information</b>
<b>12.1Toxicity</b>
<ul style="list-style-type: none"> <li>● Toxicity to fish: no data available</li> <li>● Toxicity to daphnia and other aquatic invertebrates: no data available</li> <li>● Toxicity to algae: no data available</li> <li>● Toxicity to microorganisms: no data available</li> </ul>
<b>12.2Persistence and degradability</b>
no data available
<b>12.3Bioaccumulative potential</b>
no data available
<b>12.4Mobility in soil</b>
no data available
<b>12.5Other adverse effects</b>
no data available
<b>13.Disposal considerations</b>
<b>13.1Disposal methods</b>
<p><b>Product</b></p> <p>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.</p> <p><b>Contaminated packaging</b></p> <p>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.</p>
<b>14.Transport information</b>
<b>14.1UN Number</b>
ADR/RID: Not dangerousIMDG: Not dangerous IATA: Not dangerous goods. goods. goods.
<b>14.2UN Proper Shipping Name</b>
ADR/RID: unknown
IMDG: unknown
IATA: unknown
<b>14.3Transport hazard class(es)</b>
ADR/RID: Not dangerousIMDG: Not dangerous IATA: Not dangerous goods. goods. goods.
<b>14.4Packing group, if applicable</b>
ADR/RID: Not dangerousIMDG: Not dangerous IATA: Not dangerous

goods.

goods.

goods.

#### 14.5 Environmental hazards

ADR/RID: no

IMDG: no

IATA: no

#### 14.6 Special precautions for user

no data available

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no data available

### 15. Regulatory information

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

Chemical name	Common names and synonyms	CAS number	EC number
Strontium fluoride	Strontium fluoride	7783-48-4	none
European Inventory of Existing Commercial Chemical Substances (EINECS)			Listed.
EC Inventory			Listed.
United States Toxic Substances Control Act (TSCA) Inventory			Listed.
China Catalog of Hazardous chemicals 2015			Not Listed.
New Zealand Inventory of Chemicals (NZIoC)			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)			Listed.

### 16. Other information

#### Information on revision

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#### Abbreviations and acronyms

- CAS: Chemical Abstracts Service
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- RID: Regulation concerning the International Carriage of Dangerous Goods by Rail
- IMDG: International Maritime Dangerous Goods
- IATA: International Air Transportation Association
- TWA: Time Weighted Average
- STEL: Short term exposure limit
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- EC50: Effective Concentration 50%

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