

## **MATERIAL SAFETY DATA SHEET**

### **STRONTIUM FLUORIDE 99% Extra Pure** **CAS NO. : 7783-48-4**

#### **Section 1: Chemical Product and Company Identification**

##### **Section 1: Chemical Product**

**Product Name:** STRONTIUM FLUORIDE 99% Extra Pure

**CAS#:** 7783-48-4

**C.I. No.:** Not available.

**Synonym:** Not available.

**Chemical Name:** STRONTIUM FLUORIDE 99% Extra Pure

**Chemical Formula:** F2Sr

**Brand:** OXFORD

##### **Details Of The Supplier Of The Safety Data Sheet:**

**Company identification:**      **OXFORD LAB FINE CHEM LLP**  
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,  
Navghar, Vasai (East). Palghar - 401 210.  
Mumbai, Maharashtra, INDIA.  
Tel: 91-250-2390989  
Tel/Fax: 91-250-2390032

#### **Section 2: Composition and Information on Ingredients**

##### **Substances**

**Formula:** F2Sr

**Molecular weight:** 125.62

**CAS-No.:** 7783-48-4

**Hazardous ingredients according to Regulation (EC) No 1272/2008**

<b>Component</b>	<b>CAS No.</b>	<b>Concentration</b>
Strontium fluoride	7783-48-4	<=100%

## Section 3: Hazards Identification

### Classification of the substance or mixture

**Classification of the substance according to Regulation (EC) No 1272/2008:**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**Other hazards** : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Strong hydrogen fluoride-releaser.

## Section 4: First Aid Measures

### Description of first aid measures

#### **General advice**

Hydrofluoric (HF) acid burns require immediate and specialized first aid a hours depending on the concentration of HF. After decontamination with wa penetration/absorption of the fluoride ion. Treatment should be directed exposure. Skin exposures can be treated with a 2.5% calcium gluconate gel exposures may require subcutaneous calcium gluconate except for digital a technique, due to the potential for tissue injury from increased pressure and should be considered when undergoing decontamination. Prevention of a obtained by giving milk, chewable calcium carbonate tablets or Milk of Ma hypocalcemia, hypomagnesemia and cardiac arrhythmias should be monitored.

#### **If inhaled**

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

#### **In case of skin contact**

First treatment with calcium gluconate paste. 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. Consult a physician.

### Indication of any immediate medical attention and special treatment needed

No data available

## Section 5: Fire and Explosion Data

### Extinguishing media

#### Suitable extinguishing media

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

#### Special hazards arising from the substance or mixture

Hydrogen fluoride, Strontium oxides

#### Advice for firefighters

Wear self contained breathing apparatus for fire-fighting if necessary.

#### Further information

No data available

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

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

### Environmental precautions

No special environmental precautions required

### Methods and materials for containment and cleaning up

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

## Section 7: Handling and Storage

### Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed

### Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Do not store in glass

Storage class (TRGS 510): Combustible Solids

## Section 8: Exposure Controls/Personal Protection

### Control parameters

#### Exposure controls

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).

## **Section 8: Exposure Controls/Personal Protection (Continued)**

### **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.**

#### **Full contact**

**Material:** Nitrile rubber

**Minimum layer thickness:**0.11 mm

**Break through time:** 480 min

**Material tested:**Dermatril® (KCL 740 / Aldrich Z677272, Size M)

#### **Splash contact**

**Material:** Nitrile rubber

**Minimum layer thickness:**0.11 mm

**Break through time:** 480 min

**Material tested:**Dermatril®(KCL 740 / Aldrich Z677272, Size M)

**data source:** KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de,

**test method:** EN374

**If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industria situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.**

**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 le (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:** No special environmental precautions required

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

a) Appearance Form	: Solid.
b) Odour	: No data available.
c) Odour threshold	: No data available.
d) pH	: No data available..
e) Melting point/range	: > 1,400 °C-lit.
f) Initial boiling point and boiling range	: 2,489 °C-lit
g) Autoignition temperature	: No data available.
h) Flammability (solid, gas)	: No data available.
i) Upper/lower flammability or explosive limits	: No data available.
j) Flash point [°C]	: No data available.
k) Evaporation rate	: No data available.
l) Vapour pressure	: No data available
m) Vapour density	: No data available.
n) Relative density,	: 4.24 g/mL at 25 °C
o) Solubility in water	: No data available.
p) Viscosity	: No data available.
q) Explosive properties	: No data available.
r) Oxidising properties	: No data available.
s) Decomposition temperature	: No data available.
t) Autoignition temperature	: No data available.
u) Molecular Weight	: 125.62

## Section 10: Stability and Reactivity Data

**Reactivity** : No data available.

**Chemical stability** : Stable under recommended storage conditions.

**Possibility of hazardous reactions** : Reacts dangerously with glass

**Conditions to avoid** : Heat, flames and sparks.

**Incompatible materials** : Glass.

**Hazardous decomposition products**

## Section 10: Stability and Reactivity Data (Continued)

**Other decomposition products - Hazardous decomposition products formed under fire conditions.-**  
Hydrogen fluoride, Strontium oxides  
Other decomposition products-No data available.

## Section 11: Toxicological Information

### Information on toxicological effects

#### Acute toxicity

LD50 Oral-Rat-10,600 mg/kg (Strontium fluoride)

Remarks: Behavioral: Somnolence (general depressed activity). Behavioral:Ataxia. Respiratory disorder

#### Skin corrosion/irritation

No data available

#### Serious eye damage/eye irritation

No data available

#### Respiratory or skin sensitization

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

IARC: 3-Group 3: Not classifiable as to its carcinogenicity to humans(Strontium fluoride)

#### Reproductive toxicity

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

#### Additional Information

RTECS: WK8925000

Fluoride ion can reduce serum calcium levels possibly causing fatal hypocalcemia. Salivation, Nausea, Vomiting, Fever, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. (Strontium fluoride)

## Section 12: Ecological Information

**Toxicity:** No data available.

**Persistence - degradability :** No data available.

**Bioaccumulative potential :** Not established.

**Mobility in soil :** Not established.

**Results of PBT and vPvB assessment :** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Other adverse effects :**  
No data available.

## Section 13: Disposal Considerations

### Waste treatment methods

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company

**Contaminated packaging:** Dispose of as unused product.

## Section 14: Transport Information

### Land transport (ADR-RID)

**Proper shipping name :** Not dangerous goods

UN N° : -

ADR - Class : -

### Sea transport (IMDG) [English only]

**Proper shipping name :** Not dangerous goods

UN N° : -

IMO-IMDG - Class or division : -

IMO-IMDG - Packing group : -



## Section 14: Transport Information (Continued)

### Air transport (ICAO-IATA) [English only]

Proper shipping name : Not dangerous goods  
UN N° : -  
IATA - Class or division : -  
IATA - Packing group : -

## Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture  
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

## Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

### *Disclaimer:*

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