

## **MATERIAL SAFETY DATA SHEET**

### **ZINC FLUORIDE** **MSDS CAS: 7783-49-5**

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

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

**Product Name:** Zinc Fluoride

**CAS#:** 7783-49-5

**Synonym:**

**Chemical Name:**

**Chemical Formula:**

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

##### **Substances :**

**Formula:**

**F2Zn**

**Molecular Weight:**

**103,39 g/mol**

**CAS-No.:**

**7783-49-5**

**EC-No.:**

**232-001-9**

## Section 2: Composition and Information on Ingredients (Continued)

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

Component	Classification	Concentration
Zinc fluoride		
CAS-No. 7783-49-5 EC-No. 232-001-9	Skin Irrit. 2; Eye Dam. 1; STOT SE 3; H315, H318, H335	<= 100 %

### Hazardous ingredients according to Directive 1999/45/EC

Component	Classification	Concentration
Zinc fluoride		
CAS-No. 7783-49-5 EC-No. 232-001-9	Xi, R37/38 - R41	<= 100 %

## Section 3: Hazards Identification

### Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Skin irritation (Category 2), H315 Serious eye damage (Category 1), H318 Specific target organ toxicity - single exposure (Category 3), H335 For the full text of the H-Statements mentioned in this Section

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

Xi Irritant R37/38, R41

For the full text of the R-phrases mentioned in this Section, see Section 16.

### Label elements

#### Labelling according Regulation (EC) No 1272/2008

Signal word: Danger

## Section 4: First Aid Measures

### Description of first aid measures

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

## Section 4: First Aid Measures (Continued)

**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.

### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling

### 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, Zinc/zinc 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

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

### Environmental precautions

Do not let product enter drains.

## Section 6: Accidental Release Measures (Continued)

### Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### Reference to other sections

For disposal see section 13.

## Section 7: Handling and Storage

### Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

### Conditions for safe storage, including any incompatibilities

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

### Specific end use(s)

A part from the uses mentioned in section 1.2 no other specific uses are stipulated

## Section 8: Exposure Controls/Personal Protection

### Control parameters

Components with workplace control parameters

### Exposure controls

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

### Personal protective equipment:

#### Eye/face protection:

Face shield and safety glasses 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.

### Body Protection:

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. 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.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

Appearance Form:	powder
Colour:	white
Odour:	no data available
Odour:	Threshold no data available
pH:	no data available
Melting point/freezing point:	Melting point/range: 872 °C
Initial boiling point and boiling:	range no data available
Flash point:	not applicable
Evaporation rate:	no data available
Flammability (solid, gas):	no data available
Upper/lower flammability or explosive limits:	no data available
Vapour pressure:	1 hPa at 970 °C
Vapour density:	no data available
Relative density:	4,950 g/cm <sup>3</sup>
Water solubility:	no data available

## Section 10: Stability and Reactivity Data

Reactivity:	no data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	no data available
Conditions to avoid:	no data available
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	Other decomposition products - no data available

## Section 11: Toxicological Information

### Information on toxicological effects

Acute toxicity:	no data available
Inhalation:	no data available
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:

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. 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.

Reproductive toxicity:	no data available
Specific target organ toxicity - single exposure:	Inhalation - May cause respiratory irritation.
Specific target organ toxicity - repeated exposure:	no data available
Aspiration hazard:	no data available

### Additional Information

RTECS: Not available Salivation, Nausea, Vomiting, Fever, Cough, Shortness of breath, Headache

## Section 12: Ecological Information

Toxicity: Not available.

Persistence and degradability: no data available

## Section 12: Ecological Information (Continued)

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

**Results of PBT and vPvB assessment:**

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

**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. 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.

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

## Section 14: Transport Information

**Land transport (ADR-RID)**

**General information :** Unregulated.

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

**General information :** Unregulated..

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

**General information :** Unregulated.

## Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture  
no data available

### 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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