

MATERIAL SAFETY DATA SHEET

Chemical Product

Product Name: Zinc Fluoride
 CAS#: 7783-49-5
 Synonym: Not Available.
 Chemical Name: Dysprosium Chloride AR
 Chemical Formula: Cl3Dy

Composition and Information on Ingredients

Substances :

Formula: F2Zn
 Molecular Weight: 103,39 g/mol
 CAS-No.: 7783-49-5
 EC-No.: 232-001-9

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

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

Hazardous ingredients according to Directive 1999/45/EC

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

Name	S.K.U	% by Weight
Zinc Fluoride	GCS-9671	100

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

First Aid Measures

Description of 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.

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

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

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.

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.

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

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).

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.

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:	Me
Boiling point/range: 872 °C Initial boiling point and boiling:	ran
Flash point:	not
Flash point: applicable	ge no data available
Evaporation rate:	no data available
Flammability (solid, gas):	no data available Upper/lower flammability
Vapour density:	no data available
Relative density:	4,950 g/cm ³
Water solubility:	no data available

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

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 irritat

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

Ecological Information

Toxicity: Not available.

Persistence and degradability: no data available

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

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.

Transformation Information

Land transport (ADR-RID)
General information: Not regulated.

Sea transport (IMDG) [English only]
General information: Not regulated.

Air transport (ICAO-IATA) [English only]
General information: Not regulated.

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



Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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