

# MATERIAL SAFETY DATA SHEET

24 HR. EMERGENCY PHONE # CHEM-TREC 1-800-424-9300

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## SECTION 1 Product Identification

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**CHEMICAL NAME:** Samarium fluoride  
**CAS #:** 13765-24-7  
**FORMULA:** SmF<sub>3</sub>

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## SECTION 2 Composition and Information on Ingredients

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INGREDIENT:	CAS #	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	13765-24-7	100	2.5mg/m <sup>3</sup> (as F)	2.5mg/m <sup>3</sup> (as F)

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## SECTION 3 Hazards Identification

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**EMERGENCY OVERVIEW:** If inhaled or swallowed, this compound may, to the extent that it may form water soluble fluoride, cause fluoride poisoning. Early symptoms include nausea, vomiting, diarrhea, and weakness

**PRIMARY ROUTES OF EXPOSURE:** Contact with skin and eyes. Inhalation of dust.

**EYE CONTACT:** May cause irritation and serious eye damage. Effects may not immediately appear.

**SKIN CONTACT:** Causes irritation with redness and pain. Soluble fluoride may be corrosive. Effects may not appear immediately

**INHALATION:** Inhalation of dust may cause severe irritation to the respiratory tract, causing coughing, sore throat, and labored breathing.

**INGESTION:** May cause salivation, nausea, vomiting, diarrhea, and abdominal pain.

**CHRONIC HEALTH EFFECTS:** Prolonged exposure to hydrolysable fluorine compounds can cause deterioration of bone and tooth structure.

**ACUTE HEALTH EFFECTS:** Fluoride poisoning may cause nausea, vomiting, diarrhea, weakness, coma, respiratory failure and cardiovascular collapse.

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## SECTION 4 First Aid Measures

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**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

**SKIN EXPOSURE:** Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

**INHALATION:** Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

**INGESTION:** Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.