

MATERIAL SAFETY DATA SHEET

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

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SECTION 1 Product Identification

CHEMICAL NAME: Gadolinium fluoride
CAS#: 13765-26-9
FORMULA: GdF₃

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	13765-26-9	100	2.5mg/m ³ (as F)	2.5mg/m ³ (as F)

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Dust may cause irritation to the respiratory tract. Ingestion of large amounts may cause fluoride poisoning.

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

EYE CONTACT: May cause irritation of the eyes.

SKIN CONTACT: May cause mild irritation and redness.

INHALATION: May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.

INGESTION: Toxicity reduced to the extent that this compound is relatively insoluble. In large amounts may cause vomiting, abdominal pain and diarrhea.

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

ACUTE HEALTH EFFECTS: Ingestion of large amounts may cause fluoride poisoning. Symptoms include nausea, vomiting, diarrhea, weakness, coma, and cardiovascular collapse.

SECTION 4 First Aid Measures

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.