

24 HR. EMERGENCY PHONE NO. CHEM-TREC 1-800-424-9300

MATERIAL SAFETY DATA SHEET

Manufacturer:

PROCHEM, INC.
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SECTION 1 Product Identification

CHEMICAL NAME: Barium fluoride

CAS REGISTRY NUMBER: 7787-32-8

FORMULA: BaF₂

EINECS NUMBER: 232-108-0

CHEMICAL FAMILY: metal halide

SYNONYM: Barium difluoride

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	7787-32-8	100	0.5mg/m ³ (as Ba) 2.5mg/m ³ (as F)	0.5mg/m ³ (as Ba) 2.5mg/m ³ (as F)

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Early symptoms of fluoride poisoning include nausea, vomiting, diarrhea, and weakness. Water soluble barium compounds are generally poisonous when taken by mouth.

PRIMARY ROUTES OF EXPOSURE: Ingestion, inhalation, skin, eyes

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: Fluorides may cause salivation, vomiting, diarrhea, and abdominal pain; barium, irregular heartbeat, and convulsions.

ACUTE HEALTH EFFECTS: Fluoride poisoning may cause nausea, vomiting, diarrhea, weakness, coma, and respiratory paralysis. Barium forms a protein adduct in serum and is deposited in bone.

CHRONIC HEALTH EFFECTS: Prolonged exposure to soluble fluorine compounds can cause deterioration of bone and tooth structure, and kidney damage.

NTP: No

IARC: No

OSHA: No

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need assistance in keeping their eye lids open. Get immediate medical attention.

SKIN EXPOSURE: Wash the 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 attention immediately. Keep the victim calm. Give the victim a sodium sulfate solution as antidote as directed by medical personnel.