

MATERIAL SAFETY DATA SHEET

Manufacturer: ProChem Inc.
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Rockford IL 61109

CUSTOMER SERVICE: (800) 795-8788
CHEMTREC (EMERGENCY ONLY): (800) 424-9300
POISON CENTER: (800) 562-8236

SECTION 1 Product Identification

CHEMICAL NAME: Vanadium (V) trifluoride oxide, 99%

CAS REGISTRY NUMBER: 13709-31-4

FORMULA: VOF₃

EINECS NUMBER: 237-250-7

CHEMICAL FAMILY: metal oxyhalide

SYNONYM: Vanadium (V) oxyfluoride

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	13709-31-4	100	2.5mg/m ³ (as F)	2.5mg/m ³ (as F)

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Hydrofluoric acid may form upon contact with moisture, causing delayed, deep, slow healing, painful burns. If inhaled or swallowed, this compound may cause fluoride poisoning.

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

EYE CONTACT: Causes burning of the eyes and blindness.

SKIN CONTACT: Prolonged contact with skin causes delayed deep slow healing painful burns.

INHALATION: (As dust) causes chemical burns to the respiratory tract.

INGESTION: If ingested, severe burns to the gastrointestinal tract may occur.

ACUTE HEALTH EFFECTS: Burns to eyes and skin. Dust: Fluoride poisoning may cause nausea, vomiting, diarrhea, weakness, coma, respiratory failure and cardiovascular collapse.

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

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. Apply calcium gluconate jelly or water soluble calcium salts as antidote. Seek medical assistance.

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 water (only if conscious). Induce vomiting only if directed by medical personnel.