

PRMI

MATERIAL SAFETY DATA SHEET

24 Hr. Emergency Phone No: Chem-Trec 1-800-424-9300

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SECTION 1 Product Identification

CHEMICAL NAME: VANADIUM TRICHLORIDE

CAS#: 7718-98-1

FORMULA: VCl₃

SYNONYM: Vanadium (III) chloride

CHEMICAL FAMILY: Vanadium Salts

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Vanadium chloride	7718-98-1	95.00-98.00	NA	NA
Vanadium oxides		2.00-5.00	NA	NA

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: DANGER! CAUSES SEVERE BURNS TO SKIN AND EYES. HARMFUL IF SWALLOWED. MAY CAUSE SEVERE RESPIRATORY TRACT IRRITATION. CONTACT WITH WATER OR MOIST AIR LIBERATES HYDROGEN CHLORIDE. CONTENTS UNDER PRESSURE. This product is not defined as flammable or combustible. However, the product will decompose under fire conditions to give off toxic fumes of hydrochloric acid and vanadium decomposition products. The product reacts violently and exothermically with water to generate hydrochloric and vanadic acid. The acids generated can react with most metals to evolve hydrogen gas which is flammable and explosive.

HEALTH EFFECTS: Skin or eye contact and inhalation of vapor or mists are the principal routes of exposure to this product. Inhalation of dust may cause severe irritation or burns of the nose, throat and upper respiratory system. Skin contact may cause severe irritation, redness, pain or severe burns. Direct eye contact with this material will cause immediate severe burns. If not removed quickly by thorough irrigation with water, prolonged or permanent visual impairment may result. Ingestion will result in burning of the mouth, throat and any part of the gastrointestinal system with which the material comes in contact. Nausea and vomiting may occur.

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush eyes with large quantities of running water for a minimum of 15 minutes. If the victim is wearing contact lenses, remove them. Take care not to contaminate the victim's healthy skin and eyes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids. DO NOT let victim rub eye(s). Do not attempt to neutralize with chemical agents. Get medical attention immediately. Oils or ointments should not be used at this time. Continue flushing for an additional 15 minutes if a physician is not immediately available.

SKIN EXPOSURE: Immediately flush skin with water while removing contaminated clothing and shoes. Continue