

MATERIAL SAFETY DATA SHEET

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SECTION 1 Product Identification

CHEMICAL NAME: NIOBIUM HYDRIDE
PRODUCT NO: 2755
CAS REGISTRY NUMBER: 13981-86-7
FORMULA: NbH

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	13981-86-7	100	No data	No data

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: **Pyrophoric.** Fumes can combine with air to form an explosive mixture. **Flammable Solid. Water and Moisture Reactive. Reacts violently with water to liberate highly flammable/explosive gases (Hydrogen) Powder may ignite in air.** Harmful if inhaled, ingested. Harmful by skin contact. CAUSES BURNS. TOXIC

PRIMARY ROUTES OF EXPOSURE: Ingestion, inhalation (dust or fume), skin absorption.

EYE CONTACT: Causes irritation, burns of the eyes.

SKIN CONTACT: Causes irritation, burns of the skin.

INHALATION: EXTREMELY HARMFUL! Causes irritation, burns to nasal cavity and respiratory tract. (See Acute effects)

INGESTION: No Data

ACUTE EFFECTS: Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin. Inhalation may be fatal as a result of spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

CHRONIC EFFECTS: No Data

SECTION 4 First Aid Measures

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

SKIN EXPOSURE: Wash affected area with soap and copious amounts of water. Remove contaminated clothes if necessary. Seek medical assistance immediately if irritation, redness persist, or if burns develop.

INHALATION: Remove victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. Give oxygen if necessary. Give CPR if not breathing. Seek immediate medical care.

INGESTION: Seek medical assistance immediately. Keep victim calm.