

SREENIVASA INDUSTRIES

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME : NICKEL CHLORIDE, HEXAHYDRATE

CHEMICAL NAME & SYNONYMS

Nickel Chloride, Hexahydrate

DOT CLASS

6.1/III

TSCA Listed

SARA TITLE 313

Yes - Ni Cmpds

Yes

FORMULA

NiCl₂.6H₂O

REPORTABLE QUANTITY

45.4 Kg

F.W

237.72

CAS#

7791-20-0 (hyd)

7718-54-9(anhyd)

PHYSICAL DATA

Specific gravity 3.55; very soluble in water or alcohol; pH aqueous solution about 4.

APPEARANCE & ODOR

Green deliquescent crystals. odorless.

REACTIVITY & CONDITIONS TO AVOID

Stable No hazardous self reactivity.

FIRE HAZARDS

May decompose in fire with evolution of chlorine, nickel oxides. Firefighters wear SCBA NFPA # 3-0-0.

EXTINGUISHER

Fight surrounding fire

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

Toxic internally. Corrosive and irritating to skin and eyes. LD₅₀ (oral-rat) 105 mg/kg; OSHA PEL TWA: 1 mg (Ni) /m³; ACGIH TLV TWA:0.1 mg (Ni) /m³. Investigated as a tumorigen, mutagen and reproductive effector. NTP – anticipated carcinogen. IARC Group 1 – Nickel compounds are carcinogenic to humans. ACGIH A4 – not classifiable as a human carcinogen. Warning : This product contains a chemical (nickel compound) known to the state of California to cause cancer.

SPECIAL PRECAUTIONS

Wear goggles and rubber gloves while handling . If dust is formed , use adequate ventilation of suitable respirator to prevent inhalation.

FIRST AID

Wash skin and eyes thoroughly with water after contact. If eye irritation persists, see a physician. If swallowed, give water or milk and get immediate medical attention.

SPILLS & LEAKS

Contain spill. Take up with water and save for reclamation or disposal to hazardous waste site. Most areas have strict regulations for disposal of nickel salts.