



CHEM090

RY SCHOOLS215 S.E. 6th Ave.
HILLSBORO, OR 97122

MATERIAL SAFETY DATA SHEET

OT 0069

***** IDENTIFICATION *****

RECORD NUMBER : 49850
LANGUAGE : ENGLISH
TRADE NAME(S) : Zinc Chloride
DATE OF MSDS : 1986-08

***** MANUFACTURER INFORMATION *****

MANUFACTURER : Caledon Laboratories Ltd
ADDRESS : 40 Armstrong Avenue
Georgetown Ontario
Canada L7G 4R9
Telephone: 416-877-0101
EMERGENCY TELEPHONE NO.(S) : 613-996-6666 (Canutec)

DISCLAIMER:

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***** MATERIAL SAFETY DATA *******PRODUCT IDENTIFICATION**

Chemical Name and Synonyms: Zinc Chloride

Chemical Formulae: $ZnCl_2$

HAZARD RATING (NFPA-704M)

"No information provided on original MSDS"

Date: 1986-08

UN. NO: 2331

T.D.G. Class: 8 Corrosive

Pkg. Group: III

HAZARDOUS INGREDIENTS

Ingredients
Zinc Chloride

TLV (Units)
1 mg/m³

TYPICAL PHYSICAL DATA

Boiling Point (deg C): 732 deg C
Solubility in Water: 432 gm/100 gm @ 25 deg C
Specific Gravity (H₂O=1): 2.91
Freezing Point (deg C): 290 deg C (melting point)
Appearance and Odour: White crystalline granules, odourless

RE AND EXPLOSION HAZARD DATA

HEALTH HAZARD DATA

Effects of Overexposure: Causes burns. Harmful if swallowed.

Emergency First Aid Procedures:

Eyes: Immediately flush with plenty of water for at least 15 minutes.

Skin: Immediately flush with plenty of water for at least 15 minutes.

Ingestion: Do not induce vomiting. If conscious, give plenty of water and seek medical attention.

REACTIVITY DATA

Stable: X

Incompatibility (Materials to Avoid): Potassium

Hazardous Polymerization: Will not occur

SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: For small quantities, collect in a beaker. Dissolve in a large amount of water, add soda ash, mix and neutralize with 6M HCl and wash down drain with excess water. For large quantities, add slowly to a large container of water. Stir in excess soda ash. Let stand 24 hours. Siphon into another container, neutralize with 6M HCl, wash down drain. Sludge may be added to landfill if regulations permit. Dispose in accordance with local environmental regulations.

SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Dust mask

Ventilation: Local Exhaust X

Mechanical (General) X

Protective Gloves: Rubber

Eye Protection: Face shield

Other Protective Equipment: Approved working clothes

SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Keep containers well closed. Store in a cool, dry place. Do not get in eyes, on skin or clothing. Avoid breathing dust. Wash thoroughly after handling.