

ZINC CHLORIDE

Material Safety Data Sheet

Emergency Telephone Number Mallinckrodt Inc. 314-982-5000 Science Products Division P.O. Box M Paris, Kentucky 40361

Effective Date: 08-08-85

PRODUCT IDENTIFICATION:

Synonyms: Zinc Chloride

Formula CAS No.: 7646-85-7 Hazardous Ingredients:

Not Applicable.

PRECAUTIONARY MEASURES

DANGER! CAUSES BURNS. HARMFUL IF SWALLOWED OR INHALED.

Avoid breathing dust. Keep container closed. Use with adequate ventilation.

EMERGENCY/FIRST AID

If swallowed, give several glasses of water or milk to drink. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. In all cases call a physician. SEE SECTION 5.

DOT Hazard Class: ORM-E

Physical Data

SECTION 1

Appearance: White crystalline granules Odor: Odorless.

Solubility: 423 g/100 g water @ 25°C (77°F)

Boiling Point: 732°C (1350°F)

Helting Point: 290°C (554°F)

Specific Gravity: 2.91

Vapor Density (Air-1):Not Applicable Vapor Pressure (mm Hg):1 @ 428°C (802°F) Evaporation Rate:Not Applicable

Fire and Explosion Information

Fire:

Explosion:

Fire Extinguishing Media:

Special Information:

Reactivity Data

Stability:

Hazardous Decomposition Products:

SECTION 3 Stable under ordinary conditions of use and storage.

fire.

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SECTION 2

When heated to decomposition it emits toxic fumes of chlorine and zinc oxide.

Use any means suitable for extinguishing surrounding

Use protective clothing and breathing equipment

Will not occur.

Cyanides and sulfides. When mixed with potassium, a weak explosion will occur on impact.

Leak/Spill Disposal Information SECTION 4

Ventilate area of leak or apill. Clean-up personnel require protective clothing and respiratory protection from dust.

Spills: Pick up and place in a suitable container for reclamation or disposal in a method that does not generate dust.

Disposal: Whatever cannot be saved for reclamation may be disposed in a RCRA approved hazardous waste facility.

Reportable Quantity (RQ)(CWA/CERCLA) : 5000 lbs.

Ensure compliance with local, state and federal regulations.

0 Chloride

Not considered to be a fire hazard.

Not considered to be an explosion hazard.

appropriate for the surrounding fire.



Molecular Weight: 136.29 Chemical Formula: ZnCly

Do not get in eyes, on skin, or on clothing, Wash thoroughly after handling.

Incompatibilities:

Hazardous Polymerization:

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Health Hazard Information	SECTION 5	Occupational Control Measures	SECTION 6
A. Exposure/Health Effects		Airborne Exposure Limits:	None established.
Inhalation:	May be corrosive to the respiratory tract. Symptoms include sore throat, coughing, shortness of breath, and labored breathing.	Ventilation System:	A local exhaust system which captures the contaminant
Ingestion:	Toxic. May cause irritation or corrosion to the gastrointestinal tract with abdominal pain, nausea, and vomiting. May cause delayed death occurring from strictures of the esophagus and pylorus.		at its source is recommended to prevent dispersion of the contaminant into the workroom air.
Skin Contact:	May cause severe irritation, skin burns and ulcerations. Solutions are corrosive. Symptoms include redness and pain.	Pesonal Respirators: (NIOSH Approved)	For conditions of use where exposure to the dust is apparent, a dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.
Eye Contact:	May cause redness, pain, and blurred vision. Splashes from solutions may cause eye damage.	Skin Protection: ····	Wear protective gloves and clean body-covering clothing.
Chronic Exposure:	No information found.	Eye Protection:	Use chemical safety goggles and/or full face shield
Aggravation of • Pre-existing Conditions:	No information found.		where dusting or splashing of solutions is possible. Contact lenses should not be worn when working with this material.
B. FIRST AID			Maintain eye wash fountain and quick-drench facilities in work area.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.	· · ·	
194		Storage and Special Information	SECTION 7
Ingestion:	Give several glasses of water or milk, if available, to drink. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person. Get medical attention immediately.	Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. ************************************	
Skin Exposure:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician.		
Eye Exposure:	Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.		
C. TOXICITY DATA (RTECS,	1982)		**************************************
Oral rat LD50: 350 mg/kg Mutation references cited Reproductive effects cited			

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