



MATERIAL SAFETY DATA SHEET

ZINC ACETATE

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	: Zinc acetate	Contact: LABORT FINE CHEM PVT LTD.
CAS	: 5970-45-6	Office: 703-704 Icon Business Centre, Opp. Central Mall, Nr. Valentine Cinema, Dumas Road, Surat - 395007, (GUJARAT), INDIA.
Synonym	: Acetic acid, zinc salt, dihydrate; Zinc diacetate, dihydrate	Ph: 0091-261-2725761; 2725388 Fax: 0091-261-2725388
Chemical Name	: Zinc Acetate, dihydrate	E Mail: info@laboratorychemical.net Website: www.laboratorychemical.net
Chemical formula	: (CH ₃ COO) ₂ -Zn.2H ₂ O or C ₄ -H ₆ -O ₄ - Zn.2H ₂ O	Factory: Plot No. 320, G.I.D.C. Ichhapore Industrial Estate, Opp- ONGC, Taluka- Choryasi, District Surat, Gujarat., PIN 394510, India
Molecular weight	: 219.5	

SECTION 2: COMPOSTION AND INFORMATION ON INGREDIENTS

Composition:

Chemical Name	CAS #	% weight
Zinc acetate	5970-45-6	100

Toxicological Data on Ingredients: Zinc acetate: ORAL (LD50): Acute: 794 mg/kg [Rat]. 287 mg/kg [Mouse].

SECTION 3: HAZARDS IDENTIFICATION

Potential Acute Health Effects:

Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys. Repeated or prolonged exposure to the substance can produce target organs damage.

SECTION 4: FIRST AID MEASURES

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Skin Contact:

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Serious Skin Contact: Not available.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

SECTION 5: FIRE AND EXPLOSION DATA

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO₂). Some metallic oxides.

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of heat.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: When heated to decomposition it emits acrid smoke and irritating fumes of zinc oxide.

Special Remarks on Explosion Hazards: Not available.

SECTION 6: ACCIDENTAL RELEASES MEASURE

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SECTION 7: HANDLING AND STORAGE

Precautions:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

SECTION 8: PERSONAL PROTECTION

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: Solid. (slightly efflorescent)

Odor: vinegar-like (acetous) (Slight.)

Taste: Astringent.

Molecular Weight: 219.5 g/mole

Color: White.

pH (1% soln/water): Not available.

Boiling Point: Not available.

Melting Point: 237°C (458.6°F)

Critical Temperature: Not available.

Specific Gravity: 1.735 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water.

Solubility:

Easily soluble in hot water. Soluble in cold water. Solubility in water: 1 gram dissolves in 2.3 ml water, 1.6 ml boiling water. Solubility in alcohol: 1 gram dissolves in 30 ml alcohol, 1 ml boiling alcohol.

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Loses 2H₂O at 100 deg. C.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD₅₀): 287 mg/kg [Mouse].

Chronic Effects on Humans: May cause damage to the following organs: kidneys.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:

May affect genetic material (mutagenic). May cause adverse reproductive effects based on animal test data

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: Causes eye irritation. Ingestion: May be harmful if swallowed. May cause irritation of the digestive tract. Symptoms may include stomach cramps, stricture of the esophagus, nausea, vomiting. Inhalation: May cause respiratory tract (nose, throat) irritation causing coughing, and wheezing. Chronic Potential Health Effects: Ingestion: Prolonged or repeated ingestion may affect the blood, urinary system (kidneys).

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS**Waste Disposal:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14: TRASPORT INFORMATION

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

SECTION 15: OTHR REGULATORY INFORMATION**Other Classifications:**

WHMIS (Canada): CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):

R22- Harmful if swallowed.

R36- Irritating to eyes.

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39- Wear eye/face protection.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:**Protective Equipment:**

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

SECTION 16: OTHR INFORMATION

Product Use:

Laboratory Reagent.

Disclaimer:

Labort Fine Chem Pvt Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Labort Fine Chem Pvt Ltd. Makes no representations or warranties, either express or implied, including without limitation any warranties or merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Labort Fine Chem Pvt Ltd will not be responsible for damages resulting from use of or reliance upon this information.

Created on: 11/08/2016

Revision: 00