



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

D1508 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418679

Fax: (0086) 551 65418697

Email: info@tnjchem.com

Site: www.tnjchem.com

Material Safety Data Sheet

Zinc Acetate MSDS

Section 1: Chemical Product and Company Identification

Product Name: Zinc acetate

Catalog Codes: SLZ1144, SLZ1252

CAS#: 5970-45-6

RTECS: AK1500000

TSCA: TSCA 8(b) inventory: No products were found.

CI#: Not available.

Synonym: Acetic acid, zinc salt, dihydrate; Zinc diacetate, dihydrate

Chemical Name: Zinc Acetate, dihydrate

Chemical Formula: (CH₃COO)₂-Zn.2H₂O

Contact Information for Emergency: (0086) 551 65418678

Hefei TNJ Chemical Industry Co.,Ltd.

D1508 Xincheng Business Center

Qianshan Road, Hefei

230004Anhui

China

Tel : (0086) 551 65418679

Fax: (0086) 551 65418697

Email: info@tnjchem.com

Site: www.tnjchem.com

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	By Weight
Zinc acetate	5970-45-6	≥98-100%

Toxicological Data on Ingredients: Not applicable.

Section 3: Hazards Identification

Emergency Overview

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

SAF-T-DATA™ Ratings (Provided here for your convenience)

Health Rating: 1-Slight

Flammability Rating: 1-Slight

Reactivity Rating: 1-Slight

Contact Rating: 2-Moderate

Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES

Storage Color Code: Green (General Storage)

Potential Health Effects

Inhalation: Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath.

Ingestion: Irritation of the mucous membranes due to hydrolysis and formation of acid in the stomach can occur. Large amounts can produce stomach cramps, stricture of the esophagus, nausea, and vomiting.

Skin Contact:

Causes irritation to skin. Symptoms include redness, itching, and pain.

Eye Contact:

Causes irritation, redness, and pain.

Chronic Exposure:

No information found.

Aggravation of Pre-existing Conditions:

Persons with pre-existing skin disorders or impaired respiratory function may be more susceptible to the effects of the substance.

Section 4: First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact:

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

Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Section 5: Fire and Explosion Data

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Section 6: Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and contain for reclamation or disposal, using a method that does not generate dust.

US Regulations (CERCLA) require reporting spill and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800)424-8802.

Section 7: Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area.

Protect against physical damage. Isolate from incompatible substances.

Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

Section 8: Exposure Controls/Personal Protection

Airborne Exposure Limits:

None established.

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

Section 9: Physical and Chemical Properties

Appearance: White crystals or powder.

Odor: Slight acetic acid (vinegar) odor.

Solubility: 43g in 100g water.

Density: 1.74

pH: No information found.

% Volatilesby volume at 21° C (70° F): 0
Boiling Point: Decomposes
MeltingPoint: 237° C (459° F)
Vapor Density (Air=1): No information found
Vapor Pressure (mmHg): No information found
Evaporation Rate (BuAc=1): No information found.

Section 10: Stability and Reactivity Data

Stability:

Loses water of hydration above 100° C.

Hazardous Decomposition Products:

Freshly-formed zinc oxide or zinc oxide fumes at high temperatures (over 800° C).

Hazardous Polymerization: Will not occur.

Incompatibilities: No incompatibility data found.Oxidizing agents,zinc saltsingeneral, alkalis and their carbonates,oxalates, phosphates,sulfides.

Conditions to Avoid:Heat,flames,ignition sources and incompatibles.

Section 11: Toxicological Information

Oral rat:LD50:2510mg/kg. Investigated as a mutagen,reproductive effector.

Cancer Lists

NTP Carcinogen

Ingredient Zinc Acetate(557-34-6)

Known No

Anticipated No

IARCCategory None

Section 12: Ecological Information

EnvironmentalFate: No information found.

Environmental Toxicity: No information found.

Section 13: Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility.Processing,use or contamination of this product may change the waste management options.State and local disposal regulations may differ from federal disposal regulations. dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14: Transport Information

UN No.: 3077 Class: 9 Packing Group: Π

Section 15: Other Regulatory Information

Federal and State Regulations:

Illinois chemical safety act: Zinc acetate (Cas No. 557-34-6) New York release reporting list: Zinc acetate (Cas No. 557-34-6)

Pennsylvania RTK: Zinc acetate (Cas No. 557-34-6) Massachusetts RTK: Zinc acetate (Cas No. 557-34-6) Massachusetts spill list: Zinc acetate (Cas No. 557-34-6) New Jersey: Zinc acetate (Cas No. 557-34-6) New Jersey spill list: Zinc acetate (Cas No. 557-34-6) Louisiana spill reporting: Zinc acetate (Cas No. 557-34-6) California

Director's List of Hazardous Substances:

Listed as Zinc compounds SARA 313 toxic chemical notification and release reporting: Listed as Zinc compounds CERCLA:

Hazardous substances.: Zinc acetate (Cas No. 557-34-6): 1000 lbs. (453.6 kg)

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). Zinc Acetate (CAS no. 557-34-6) is listed on the Canadian DSL, but Zinc Acetate, dihydrate (CAS no. 5970-45-6) is not listed on the Canadian DSL

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: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/09/2005 05:35 PM

Last Updated: 05/21/2016 12:00 PM

The information above is believed to be accurate and represents the best information currently available to us. However,

we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we m be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.