

# SAFETY DATA SHEET

## 1. Identification

**GHS Product identifier:** **ROCO-003ZN**

**Other means of identification**

**Common name(s):** Zinc Acetate

**Synonym(s):** Zn (OAc)<sub>2</sub>

**SDS number:** ROCO-ZH008

**Recommended use and restriction on use**

**Recommended use:** Laboratory chemicals, Synthesis of substances.

### Manufacturer/Importer/Supplier/Distributor Information

**Manufacturer**

Company Name: RoCo  
Address: 1816 Parkway View Drive  
Pittsburgh, PA 15205  
Telephone: Product Information: 1-724-315-9170  
SDS Information Email: [info@roco.global](mailto:info@roco.global)

**Emergency telephone number:**

1-724-315-9170 (RoCo)

**General Comments**

This material has not been fully tested.

## 2. Hazard(s) identification

### Hazard Classification

**OSHA Hazard(s)**

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Acute toxicity, Oral (Category 4), H302  
Serious eye damage (Category 1), H318  
Short-term (acute) aquatic hazard (Category 2), H401  
Long-term (chronic) aquatic hazard (Category 2), H411  
For the full text of the H-Statements mentioned in this Section, see Section 16.

### Label Elements

**Hazard Symbol:** No symbol

**Signal Word:** Danger

**Hazard Statement:**

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statement(s)**

P264	Wash skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear eye protection/ face protection.
P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P391	Collect spillage.
P501	Dispose of contents/ container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC) or not covered by GHS – none**

**3. Composition/information on ingredients**

**Substances**

Synonyms	Zn (OAc) <sub>2</sub>
Formula	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> Zn
Molecular weight	183.48 g/mol
CAS-No.	557-34-6
EC-No.	209-170-2

Component	Classification	Concentration
zinc diacetate	Acute Tox. 4; Eye Dam. 1; Aquatic Acute 2; Aquatic Chronic 2; H302, H318, H401, H411 M-Factor - Aquatic Acute: 1	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

**4. First-aid measures**

<b>Ingestion:</b>	<b>IF SWALLOWED:</b> immediately make victim drink water (two glasses at most). Consult a physician.
<b>Inhalation:</b>	<b>IF INHALED:</b> Remove person to fresh air
<b>Skin Contact:</b>	IF ON SKIN: In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
<b>Eye contact:</b>	IF IN EYES: rinse out with plenty of water. Immediately call-in ophthalmologist. Remove contact lenses.

**Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 4.3

**Indication of any immediate medical attention and special treatment needed**

No data available

**5. Fire-fighting measures**

**General Fire Hazards:**

**Extinguishing media:**

Suitable extinguishing media  
Water, Foam, Dry Powder, or carbon dioxide (CO2)

**Specific hazards arising from the chemical:**

Carbon oxides Zinc/zinc oxides Combustible. Development of hazardous combustion gases or vapors possible in the event of fire.

**Advice for Firefighter**

In the event of fire, wear self-contained breathing apparatus.

**Further information**

Prevent fire extinguishing water from contaminating surface water or the ground water system.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:**

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert

For personal protection see section 8

**Environmental precautions**

Do not let product enter drains. 6.3

**Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts

**Reference to other sections**

For disposal see section 13.

**7. Handling and storage**

**Precautions for safe handling:**

Observe label precautions. Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage, including any incompatibilities:**

Keep container tightly closed in a dry and well-ventilated place. Store in desiccant

**8. Exposure controls/personal protection**

## Control Parameters

### Occupational Exposure Limits

Contains no substances with occupational exposure limit values.

## Exposure Controls

### Eye/face protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles

### Skin Protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)). Full contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min

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Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min

### Body Protection:

Protective Clothing

### Other:

Wear appropriate clothing to prevent and possibility of skin contact. Wear work clothes with long sleeves and pants. Safety footwear with good traction is recommended to help prevent slipping. Static Dissipative (SD) rated footwear is also recommended.

### Respiratory Protection:

Appropriate NIOSH approved air-purifying respirator or self-contained breathing apparatus should be used. Air supplied breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

### Hygiene measures:

Use effective control measures and PPA to maintain worker exposure to concentrations that are below these limits. Ensure that eyewash stations and safety showers are in close proximity to work locations.

## Individual protection measures, such as personal protective equipment

### General information:

Personal protective equipment (PPE) should not be considered a long-term solution to exposure control. Employer programs to properly select, fit, maintain and train employees to use equipment must accompany PPE. Consult a competent industrial hygiene resource, the PPA manufacturer's recommendation, and/or applicable

regulations to determine hazard potential and ensure adequate protection.

## 9. Physical and chemical properties

### Appearance

<b>Physical state:</b>	solid
<b>Color:</b>	white
<b>Odor:</b>	weakly of acetic acid
<b>Odor threshold:</b>	No data available
<b>pH:</b>	at 20 °C (68 °F) weakly acid
<b>Melting point/freezing point:</b>	Melting point: 237 °C (459 °F) at 1,013 hPa
<b>Initial boiling point and boiling</b>	ca.258 °C ca.496 °F at 1,013 hPa - OECD Test Guideline 103
<b>Flash Point:</b>	Not applicable
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Upper/lower limit on flammability or explosive limits</b>	Not applicable
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Density:</b>	1.84 g/mL at 25 °C (77 °F) - lit.
<b>Relative density:</b>	No data available
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	completely miscible
<b>Solubility (other):</b>	Soluble in water and most polar organic solvents such as DMF, DMSO MeOH
<b>Partition coefficient (n-octanol/water):</b>	Hydrolysis
<b>Auto-ignition temperature:</b>	> 410 °C (> 770 °F) at 1,013 hPa - Relative self-ignition temperature for solids
<b>Viscosity:</b>	No data available

## 10. Stability and reactivity

<b>Reactivity:</b>	The following applies in general to flammable organic substances and mixtures: in correspondingly fine
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	distribution, when whirled up a dust explosion potential may generally be assumed.
<b>Chemical Stability:</b>	Material is stable under normal condition.
<b>Possibility of Hazardous:</b>	No information available
<b>Conditions to Avoid:</b>	No information available
<b>Products:</b>	No data available
<b>Hazardous decomposition products:</b>	See section 5 in case of fire.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Acute toxicity:</b>	LD50 Oral - Rat - male - 663.8 mg/kg (OECD Test Guideline 423)
<b>Ingestion:</b>	No data available
<b>Inhalation:</b>	No data available
<b>Dermal:</b>	No data available
<b>Skin corrosion/irritation:</b>	No data available
<b>Serious eye damage/eye irritation:</b>	Eyes - Bovine cornea Result: Causes serious eye damage. - 4 h

**Respiratory of skin sensitization** No data available.

### Carcinogenicity

**IARC:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**NTP:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**Reproductive toxicity** No data available.

### Specific Target Organ Toxicity –

**Single Exposure** No data available.

### Specific Target Organ Toxicity –

**Repeated Exposure** No data available.

**Aspiration Hazard:** No data available.

**Additional Information:** RTECS: AK1500000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. Ecological information

<b>General information:</b>	The ecotoxicological properties of this material have not been fully investigated and it may be hazardous.
<b>Toxicity:</b>	
<b>Toxicity to fish:</b>	Static test LC50 - Pimephales promelas (fathead minnow) - 2.46 mg/l - 96 h (OECD Test Guideline 203)
<b>Toxicity to daphnia and other invertebrates:</b>	Semi-static test EC50 - Daphnia magna (Water flea) - 3.72 mg/l - 48 h (OECD Test Guideline 202)
<b>Toxicity to algae:</b>	static test EC50 - algae - 2.1 mg/l - 72 h (OECD Test Guideline 201)
<b>Toxicity to bacteria:</b>	static test EC50 - Pseudomonas putida - 7.2 mg/l - 16 h (DIN 38 412 Part 8)
<b>Persistence and Degradability:</b>	
<b>Biodegradation:</b>	Aerobic - Exposure time 28 d Result: 99 % - Readily biodegradable.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.
<b>Results of PBT and vPvB assessment:</b>	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
<b>Other adverse Effects:</b>	No data available.

## 13. Disposal considerations

<b>Waste treatment methods</b>	Product Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. See <a href="http://www.retrologistik.com">www.retrologistik.com</a> for processes regarding the return of chemicals and containers or contact us there if you have further questions.
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## 14. Transport information

<b>DOT</b>	UN number: 3077 Class: 9 Packing group: III Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (zinc diacetate) Reportable Quantity (RQ): 1000 lbs. Poison Inhalation Hazard: No
<b>IMDG</b>	UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc diacetate) Marine pollutant: yes Marine pollutant: no
<b>IATA</b>	UN number: 3077 Class: 9 Packing group: III Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (zinc diacetate)

**Further information** EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packaging and combination packaging's containing inner packaging's with Dangerous Goods > 5L for liquids or > 5kg for solids.

## 15. Regulatory information

### SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

### SARA 313 (TRI Reporting)

The following components are subject to reporting levels established by SARA Title III, Section 313: zinc diacetate CAS-No. 557-34-6 Revision Date 1993-02-16

### Clean Water Act Section 311

### US. Pennsylvania RTK-Hazardous Substances

No ingredient regulated by Right-to-Know Law present.

## 16. Other information, including date of preparation of last revision

**Issue Date:** 12/21/2022  
**Revision Information:** 12/21/2022: New SDS  
**Version #:** 1.0

### Disclaimer:

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