



# SAFETY DATA SHEET

## Zinc acetate

Ref.40069/3.0/REG\_USA/EU/EN

Revision Date: 02.01.2019

Previous date: 17.07.2018

Print Date: 02.01.2019

### Section 1: Identification

#### 1.1. Product identifier

Zinc Acetate, Progusta ZA, Calprona ZA

Registration number: 01-2120119383-62-0011

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the Substance/Mixture

Mineral feed supplement in animal feed, pharmaceuticals, catalyst, stabilizer, additive, intermediate, antioxidant

##### Recommended restrictions on use

Reserved for industrial and professional use.

#### 1.3. Details of the supplier of the safety data sheet

Niacet b.v.

P.O. Box 60

4000 AB Tiel

NETHERLANDS

Telephone +31 344-615224, Telefax. +31 344-611475

tiel@niacet.nl

Niacet Corporation

400 47<sup>th</sup> Street

Niagara Falls, NY

14304 U.S.A.

Telephone +1 716-285-1474 Telefax +1 716-285-1497

niacetcsr@niacet.com

#### 1.4. Emergency telephone number

For Niacet b.v.Tiel, The Netherlands products: +31 344-615224

For Niacet Corporation, Niagara Falls, U.S.A. products: Chemtrec +1 (800) 424 9300, +1 (703) 527 3887

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**USA:** Classification according to 29 CFR 1910.1200 (CLP):

Acute toxicity, Category 4, Oral, H302

Serious eye damage, Category 1, H318

Chronic aquatic toxicity, Category 2, H411

**EU:** Classification according to Regulation (EU) 1272/2008(CLP):

Acute toxicity, Category 4, Oral, H302

Serious eye damage, Category 1, H318

Chronic aquatic toxicity, Category 2, H411

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### 2.2. Label elements

#### USA & EU (CLP):

Hazard pictograms :



Signal word: Danger

Hazard Statements: H302 Harmful if Swallowed  
 H318 Causes serious eye damage  
 H411 Toxic to aquatic life with long lasting effects

Precautionary statements:

Prevention: P270 Do not eat, drink or smoke when using this product.  
 P264 Wash hands thoroughly after handling.  
 P280 Wear protective gloves/ protective clothing/eye protection.  
 P273 Avoid release to the environment.

Response:

P305 + P351 + P338  
 IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 P301 + P310 + P330  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/  
 physician. Rinse mouth.  
 P391  
 Collect spillage

Hazardous components which must be listed on the label:

CAS 5970-45-6 Zinc acetate dihydrate

Further information:

The product is classified and labelled in accordance with US and EC directives.

### 2.3. Other hazards

None known

## Section 3: Composition/information on ingredients

### 3.1. Substances

Zinc acetate dihydrate : CAS 5970-45-6 <= 100 %

EINECS 209-170-2

Other descriptions: Zinc acetate, Zinc di(acetate)



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### Section 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation

Remove to fresh air. Keep patient warm and at rest. In case of feeling unwell consult a physician.

##### Skin contact

Rinse with plenty of water. If symptoms persist, call a physician.

##### Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.

##### Ingestion

Rinse mouth with water. Obtain medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

See section 2.

#### 4.3. Indication of immediate medical attention and special treatment needed

See section 2.

### Section 5: Firefighting measures

#### 5.1. Extinguishing media

Water spray, Foam, Dry Chemical or Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media: None

#### 5.2. Special hazards arising from the substance or mixture

Heating can release hazardous gasses.

Carbon oxides (CO<sub>x</sub>), acetic acid

#### 5.3. Advice for firefighters

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

##### Specific methods

No special requirements. The product is not flammable.

### Section 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid contact with eyes. Use personal protective equipment. For personal protection, see section 8.

#### 6.2. Environmental precautions

Try to prevent the material from entering drains or watercourses.

#### 6.3. Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Dispose of in compliance with local and national regulations.

### Section 7: Handling and storage

#### 7.1. Precautions for safe handling

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe dust. Keep container closed when not in use.

Ensure that eyewash stations and safety showers are close to the workstation location.



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### 7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container. Do not stack pallets.

### 7.3. Specific end use(s)

See section 1.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

Contains no substances with occupational exposure limit values.

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment.

#### 8.2.2. Individual protection measures, such as personal protective equipment

##### Hand protection

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

##### Eye protection

Tightly fitting safety goggles or face-shield.

##### Skin and body protection

Work clothing.

##### Respiratory protection

Respirator must be worn if exposed to dust (with a P1 dust filter).

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance (physical state, color, etc.): white solid, crystalline

Odor: very faint smell of acetic acid

Odor threshold: No information available

pH: 6 – 8 (5 % w/w)

Melting point/freezing point: 237 °C / 459 °F

Initial boiling point and boiling range: 258 °C / 496 °F

Flash point: No information available, not flammable

Evaporation rate: No information available

Flammability (solid, gas): Not flammable

Upper/lower flammability or explosive limits: No data available

Vapor pressure: No information available

Vapor density: No information available

Relative density: approx. 1740 kg/m<sup>3</sup> / 109 lb/ft<sup>3</sup>

Solubility(ies): 311 kg/m<sup>3</sup> (20 °C) / 19.4 lb/ft<sup>3</sup> (68 °F), 666 kg/m<sup>3</sup> (100 °C) / 41.6 lb/ft<sup>3</sup> (212 °F)

Partition coefficient: n-octanol/water: No information available

Auto-ignition temperature: No information available

Decomposition temperature: No information available

Viscosity: No information available

## Section 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under conditions of normal use.

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### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions: none known.

### 10.4. Conditions to avoid

Conditions to avoid: stable under recommended storage conditions.

### 10.5. Incompatible materials

Materials to avoid: no data available.

### 10.6. Hazardous decomposition products

Hazardous decomposition products: carbon oxides (CO<sub>x</sub>), zinc oxides, acetic acid

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

LD50/Oral/rat: 663.83 mg/kg (zinc acetate dihydrate)

#### Irritation and corrosion

Skin:

No data available

Eyes: H318: Causes serious eye damage.

#### Sensitisation

No data available

#### Long-term toxicity

No data available

#### Human experience

Inhalation

Exposure to dust at high concentrations. Symptoms: Fever, cough and difficulties in breathing

Skin contact

Repeated or prolonged exposure: May cause mild irritation.

Eye contact

Repeated or prolonged exposure: Causes serious eye damage.

Ingestion

Repeated or prolonged exposure: Diarrhea, vomiting, Thirst, Lowered blood pressure.

#### Carcinogenicity

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

## Section 12: Ecological information

### 12.1. Toxicity

#### Aquatic toxicity

LC50/48 h/Pimephales promelas (fathead minnow)/static test: 2.46 mg/l

Remarks: Expert judgement and weight of evidence determination.

EC50/48 h/semi-static test: 6.38 mg/l

Remarks: Expert judgement and weight of evidence determination.

EC50/72 h/Algal inhibition test: 2.1 mg/l

Remarks: Expert judgement and weight of evidence determination.

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### Toxicity to other organisms

No data available

### 12.2. Persistence and degradability

Biological degradability:

No data available

### 12.3. Bioaccumulative potential

Partition coefficient: No data available

### 12.4. Mobility in soil

#### Mobility

Water solubility: 311 kg/m<sup>3</sup> (20 °C) / 19.4 lb/ft<sup>3</sup> (68 °F)

666 kg/m<sup>3</sup> (100 °C) / 41.6 lb/ft<sup>3</sup> (212 °F)

Water soluble. Stays in water phase. non-volatile

### 12.5. Results of PBT and PvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

#### Product

Dispose of in compliance with local and national regulations.

## Section 14: Transport information

**14.1. UN number** 3077

**14.2. UN proper shipping name** Environmentally hazardous substance, solid n.o.s. (Zinc acetate dihydrate)

**14.3. Transport hazard class(es)** 9

**14.4. Packaging group** III  
 Risk code: 90  
 ADR/RID labels: 9

**14.5. Environmental hazards** Marine pollutant

**14.6. Special precautions for user** No further information

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

UN proper shipping name: UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID N.O.S. (ZINC ACETATE DIHYDRATE)

Class: 9

Packaging group: III

IMDG labels: 9

EMS Number: F-A, S-F

Environmentally Hazardous: Marine pollutant



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#### 14.8. Air transport ICAO/IATA:

UN proper shipping name:	UN3077, Environmentally hazardous substance, solid n.o.s. (Zinc acetate dihydrate)
Class:	9
Packaging group:	III
ICAO labels:	9
Environmentally Hazardous:	Marine pollutant

#### Section 15: Regulatory information

##### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. TSCA Inventory Status: The components of this product are listed on the TSCA Inventory or are exempted from listing.

Water contaminating class: WGK 3 highly water endangering  
(Germany)

##### 15.2. Chemical safety assessment

A chemical safety assessment is performed for this substance.

#### Section 16: Other information

Last revised on January 2<sup>nd</sup> 2019 by Niacet EHSQ department

##### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.