IdentiPack
LEADER IN CUSTOMISED PACKAGING

Safety Data Sheet

According to 1907/2006/EG, article 31

Date: 31-10-2017 Version: 2.0 Revision date: 18-03-2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Trade name: Zinc-Acetate solution 2,5% ZnAc2.2H2O

Product number: 600903

CAS No.: 5970-45-6

EINECS: -

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

Application of the substance / the mixture: Laboratory, Research or Fabricage.

1.3 Details of the supplier of the safety data sheet:

Downstreamuser

Identipack B.V. Tel: (+31) (0)493—672277
Broekstraat 4 Fax: (+31) (0)493—672268
5711 CT Someren E-mail: info@identipack.com
NETHERLANDS

1.4 Emergency telephone number:

UK Tel: +44 151 951 3317 - Health and Safety Executive (HSE) Chemicals Regulation Directorate (24/7)
Ireland Tel: +353 1 809 2566 - Beaumont Hospital - National Poisons Information Centre (24/7)
(EU Tel: 112)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) nr. 1272/2008:

Acute Tox. 4: H302 Eye Dam. 1: H318 Aquatic Chronic 1: H410

2.2 Label elements:

Labelling according to Regulation (EC) nr. 1272/2008:

The product is classified and labelled according to the CLP Regulation.

Hazard pictograms:

GHS05 GHS07 GHS09

Signal word: Danger

Hazard determining components of labelling: Zinc-Acetate solution 2,5%

Hazard statements:

H302: Harmful if swallowed.
H318: Causes serious eye damage.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P260:	Do not breathe dust/fume/gas/mist/vapours/ spray.
P264:	Wash hands thoroughly after handling.
P280:	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331:	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353:	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363:	Wash contaminated clothing before reuse.
P304+P340:	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310:	Immediately call a POISON CENTER/doctor.
P305+P351+P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable. **vPvB:** Not applicable.

SECTION 3: Composition / information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture made by the following components with other non-hazardous components.

Hazardous components:

CAS No.: 5970-45-6
EINECS No.: -
Index No.: -

Zinc-Acetate solution 2,5%
Acute Tox. 4: H302
Eye Dam. 1: H318
Aquatic Chronic: H410

Additional details:

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

SECTION 4: First aid measures

4.1 Description of first aid measures:

General information: Remove contaminated clothing while protecting yourself.
After inhalation: Remove the casualty from the hazardous area and take him to the fresh air. If the casualty has difficulty breathing, immediately seek medical assistance.
In case of skin contact: Rinse the affected skin areas for at least 10 to 20 minutes under running water. Get medical help.
After eye contact: Rinse the affected eye with widely spread lids for 10 minutes under running water whilst protecting the unimpaired eye. Get medical help.
In case of ingestion: Have the casualty rinse his or her mouth and spit out the liquid. Immediately have the casualty drink 1 glass of water in sips. Do not make the casualty vomit and seek medical assistance.

4.2 Most important symptoms and effects, both acute and delayed:

Irritant to corrosive effects to the eyes, mild to strong irritation to the skin (depending on concentration), irritation to the airways.

4.3 Indication of any immediate medical attention and special treatment needed:

Consult a doctor or poison center (see page 1).

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Waterspray, extinguishing foam, dry extinguishing powder, carbon dioxide (CO2). DO NOT use water jet.

5.2 Special hazards arising from the substance or mixture:

Metal oxide fume can be released in case of fire.

5.3 Advice for firefighters:

Substance is incombustible. Select fire fighting measures according to the surrounding conditions.

Protective equipment:

Wear self-contained breathing apparatus and special tightly sealed suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Evacuate area. Warn affected surroundings. Wear personal protective equipment (see chapter Personal Protection).

6.2 Environmental precautions:

Severe hazard to waters. Prevent penetration into water, drainage, sewer or the ground. Inform the responsible authorities about penetration of even small quantities.

6.3 Methods and material for containment and cleaning up:

Take up with an absorbent (absorbent and neutralizer for spilled acids) and dispose of according to regulations.
Afterwards ventilate area and wash spill site.

6.4 Reference to other sections:

Fire extinguishing measures, see Section 5. Personal protective equipment, see Section 8.
Incompatible materials, see Section 10. Disposal considerations, see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Handle an open container with care. Avoid any contact when handling the substance. Do not transport together with incompatible substances.

7.2 Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles: Keep container tightly closed. Store in a cool place.
Keep container in a ventilated place.
Information about storage in one common storage facility: Do not store with substances with which hazardous chemical reactions are possible.
Incompatible products: Strong acids and strongly oxidizing agents.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:

No specific exposure limits established.

Additional information: No further relevant information available.

8.2 Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

Keep away from foods, beverages and other articles of consumption. Wash hands with soap and water before breaks and at the end of work. Avoid contact with skin. Avoid contact with eyes. Avoid inhalation of vapour or mist.
Avoid contact with clothing.

Respiratory protection:

Wear respiratory protection (special filter NO – P2, colour code white) in an emergency.
Avoid breathing directly above the container.

Protection of hands:

Wear protective gloves.

Material of gloves:

Wear protective gloves. The following materials are suitable for protective gloves (permeation time > 8 hours):
Natural rubber/Natural latex - NR (0,5 mm) (use non-powdered and allergen free products)
Polychloroprene - CR (0,5 mm)
Nitrile rubber/Nitrile latex—NBR (0,35 mm)
Butyl rubber - Butyl (0,5 mm)
Fluoro carbon rubber - FKM (0,4 mm)
Polyvinyl chloride - PVC (0,5 mm)

Permeation time of glove material:

This is mentioned above under “Material of gloves”.

Eye/face protection:

Wear chemical safety goggles.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	
Physical state:	Liquid
Colour:	Colourless
Odour:	Odourless
Odour threshold:	No data available
pH:	Approx. 6.0 - 7.0
Change in condition:	
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Approx. 100 °C
Flash point:	Not determined
Flammability (solid, gas):	Not relevant (liquid)
Ignition temperature:	
Decomposition temperature:	Not relevant
Auto-ignition temperature:	No data available
Explosive properties:	No data available
Explosion limits:	No data available
Lower:	
Upper:	
Vapour pressure at 20 degrees Celsius:	No data available
Density at 20 degrees Celsius:	Approx. 1,15 g/cm3
Relative density:	No data available
Evaporation rate:	No data available
Solubility in / Miscibility with:	
Water:	Fully miscible with water
Partition coefficient (n-octanol/water):	No data available
Viscosity:	No data available

9.2 Other information: No further relevant information available

SECTION 10: Stability and reactivity

10.1 Reactivity: No further information available.

10.2 Chemical stability:

Thermal decomposition / conditions to avoid: The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions: Violent reaction with strong oxidizing agents and strong acids.

10.4 Conditions to avoid: Keep away from heat and ignition sources.

10.5 Incompatible materials: Strong oxidizing agents and strong acids.

10.6 Hazardous decomposition products: See 5.2

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Primary irritant effect:

Skin corrosion/irritation: Shall not be classified as irritant to skin.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitisation: Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity: Shall not be classified as germ cell mutagenic.

Carcinogenicity: Shall not be classified as carcinogenic.

Reproductive toxicity: Shall not be classified as reproductive toxicant.

STOT single exposure: Shall not be classified as STOT from single exposure.

STOT repeated exposure: Shall not be classified as STOT from repeated exposure.

SECTION 12: Ecological information

12.1 Toxicity:

Aquatic toxicity: Severe hazard to waters. Prevent penetration into water, drainage, sewer or the ground. Inform the responsible authorities about penetration of even small quantities.

12.2 Persistence and degradability: Insufficient data available.

12.3 Bioaccumulative potential: Insufficient data available.

12.4 Mobility in soil:

Ecotoxic effects:

General notes:

WGK Class 3 - severe hazard to waters.

Avoid penetration into water, drainage, sewer, or the ground.

Inform the responsible authorities about penetration of even small quantities.

12.5 Results of PBT/vPvB assessment:

PBT: No further relevant information available.

vPvB: No further relevant information available.

12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Recommendation:

Hazardous waste according to Waste Catalogue Ordinance (AVV). The substance and this bottle or jar has to be processed as hazardous waste. Dispose of the substance and the bottle or jar in compliance with the local/regional/national/ international regulations. Contact a waste disposal company for recycling or safe disposal.

Uncleaned packaging:

Uncleaned containers should be treated as hazardous waste, like mentioned above.

SECTION 14: Transport information

14.1 UN number:

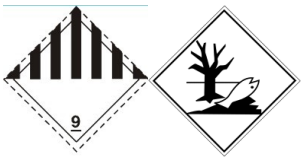
ADR: 3082

14.2 UN proper shipping name:

ADR: Environmentally hazardous substance, liquid

14.3 Transport hazard class:

ADR:



Class(es): 9 (Miscellaneous items and materials)

14.4 Packing group:

ADR: III (low danger)

14.5 Environmental hazards:

Severe hazard to the environment.

14.6 Special precautions for user:

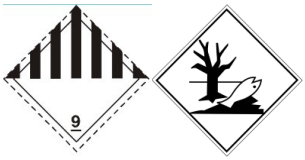
Provisions for dangerous goods (ADR) should be complied within the premises.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

The cargo is not intended to be carried in bulk.

14.8 Transport/additional information:

Transport of dangerous goods by road (ADR):

UN number:	3082
Proper shipping name:	Environmentally hazardous substance, liquid
Details in the shipping document:	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, 9, III, (-)
Class:	9
Classification code(s):	M6
Packing group:	III
Hazard label:	
Excepted quantities (EQ):	E1
Limited quantities (LQ):	5L
Transport category (TC):	3
Tunnel restriction code (TRC):	-
Hazard identification number:	90

SECTION 15: Regulatory information

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

General details:

German Water Hazard Class (WGK): WGK Class 3 - severe hazard to waters.
EU Regulation (EG) nr. 1272/2008 (CLP) - Annex I
EU Regulation (EG) nr. 1907/2006 (REACH) - Annex XVII
EU Regulation (EU) nr. 453/2010 (REACH)

15.2 Chemical safety assessment: No data available.

SECTION 16: Other information

This Safety Data Sheet (SDS) has been written in accordance with EU legislation.
The information in this SDS is based on our present knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Users should always consult the most recent version of relevant regulations and any applicable local laws and regulations.

Relevant phrases:

H302:	Harmful if swallowed.
H318:	Causes serious eye damage.
H410:	Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
EINECS:	European Inventory of Existing Commercial Chemical Substances
GHS:	Globally Harmonized System of Classificatoin and Labelling of Chemicals
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
STOT:	Specific Target Organ Toxicity
WGK:	Wassergefährdungsklasse (German: Water Hazard Class)
Acute Tox. 4:	Acute Toxicity— Category 4
Eye Dam. 1:	Serious eye damage—Category 1
Aquatic Chronic 1:	Hazardous to the aquatic environment—long-term aquatic hazard—Category 1

Sources:

Regulation (EC) nr. 1907/2006 of the European Parliament and of the Council of 18 December 2006, REACH
Regulation (EC) nr. 1272/2008 of the European Parliament and of the Council of 16 December 2008, CLP
GESTIS Substance Database
Globally Harmonized System, GHS
ADR2017