

Zinc acetate dihydrate
25044-25KG

Version 1.1 1

Revision Date 06/11/2017

Print Date 07/10/2018

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Zinc acetate dihydrate

SDS Number : 000000020898

Product Use Description : Laboratory chemicals

Manufacturer or supplier's details : CHEM-SUPPLY Pty Ltd
38-50 Bedford St.
Gillman SA 5013, Australia

For more information call : +61 8 8440 2000
(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887**
:
: **CHEMTREC in Australia: +(61)-290372994**
: (24 hours/day, 7 days/week)

2. HAZARDS IDENTIFICATION**Classification of the substance or mixture**

Classification of the substance or mixture : Acute toxicity, Category 4, Oral
Serious eye damage, Category 1
Chronic aquatic toxicity, Category 2

GHS Label elements, including precautionary statements

Symbol(s) :



Signal word : Danger

Hazard statements : Harmful if swallowed.
Causes serious eye damage.

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Precautionary statements : Toxic to aquatic life with long lasting effects.

Prevention:
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.

Response:
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/ attention.

3. COMPOSITION/INFORMATION ON INGREDIENTSFormula : $C_4H_6O_4Zn \cdot 2H_2O$

Chemical nature : Substance

CAS-No. : 5970-45-6

Hazardous components

Chemical name	CAS-No.	Concentration
Zinc di(acetate)	5970-45-6	100%

4. FIRST AID MEASURES

General advice : First aider needs to protect himself.
Move out of dangerous area.
Immediately take off contaminated clothing and rinse body with plenty of water.

Inhalation : If inhaled, remove to fresh air.
If symptoms persist, call a physician.

Skin contact : After contact with skin, wash immediately with plenty of water.
If symptoms persist, call a physician.

Eye contact : Rinse thoroughly with plenty of water, also under the eyelids.
Protect unharmed eye.

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Ingestion : Call a physician immediately.
: When swallowed, allow water to be drunk.
: Rinse mouth.
: Call a physician immediately.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO₂)
Dry powder

Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide
Carbon dioxide (CO₂)
Zinc oxide fumes.

Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.
No unprotected exposed skin areas.

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
The product itself does not burn.

: HAZCHEM Code: 2Z

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear personal protective equipment. Unprotected persons must be kept away.
Evacuate personnel to safe areas.
Ensure adequate ventilation.
Avoid dust formation.
Avoid breathing dust.
Avoid contact with skin, eyes and clothing.

Environmental precautions : Do not flush into surface water or sanitary sewer system.
Prevent further leakage or spillage if safe to do so.
Clean contaminated floors and objects thoroughly while observing environmental regulations.
If the product contaminates rivers and lakes or drains inform respective authorities.

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Methods for cleaning up : Use mechanical handling equipment.
Sweep up and shovel into suitable containers for disposal.
Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE**Handling**

Advice on safe handling : Wear personal protective equipment.
Use only in well-ventilated areas.
Avoid inhalation, ingestion and contact with skin and eyes.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers : Store in original container.
Keep containers tightly closed in a dry, cool and well-ventilated place.

Materials to avoid : Oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

none

Engineering measures

Local exhaust

Personal protective equipment

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection : Latex gloves
Gloves must be inspected prior to use.
Replace when worn.

Eye protection : Safety goggles

Skin and body protection : Protective suit

Hygiene measures : Separate rooms are required for washing, showering and changing clothes.

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Contaminated work clothing should not be allowed out of the workplace.
Wash hands before breaks and at the end of workday.

Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.
Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : crystalline

Colour : grey

Odour : vinegar-like

pH : 6.0 - 8.0 at , 20 °C

Melting point/range : ca. 100 °C

Boiling point/boiling range : Note: no data available

Flash point : Note: Not applicable

Flammability : This product is not easily inflammable.

Lower explosion limit : Note: Not applicable

Upper explosion limit : Note: Not applicable

Vapour pressure :
Note: no data available

Density : 1.750 g/cm³ at 20 °C

Water solubility : 311 g/l at 20 °C

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Partition coefficient: n-octanol/water	: Note: no data available
Ignition temperature	: Note: Not applicable
Auto-ignition temperature	: Note: not auto-flammable
Decomposition temperature	: Note: No decomposition if used as directed.
Viscosity, dynamic	: Note: Not applicable
Viscosity, kinematic	: Note: Not applicable
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Molecular weight	: 219.51 g/mol
Bulk density	: Note: no data available

10. STABILITY AND REACTIVITY

Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: Hazardous decomposition products formed under fire conditions.
Conditions to avoid	: Protect from heat/overheating.
Incompatible materials to avoid	: Oxidizing agents
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO ₂) Zinc oxide fumes.

11. TOXICOLOGICAL INFORMATION

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Acute oral toxicity	: Note: Conclusive and supporting classification (Ref: REACH Dossier - ECHA disseminated data)
Acute inhalation toxicity	: Note: Not classified due to data which are conclusive although insufficient for classification.
Acute dermal toxicity	: Note: no data available
Skin irritation	: Note: Not classified due to data which are conclusive although insufficient for classification.
Eye irritation	: Species: Chicken eye Result: Risk of serious damage to eyes. Method: OECD Test Guideline 438 : Species: Bovine cornea Result: Risk of serious damage to eyes. Method: OECD Test Guideline 437
Sensitisation	: Note: Not classified due to data which are conclusive although insufficient for classification.
Genotoxicity in vitro	: Note: Not classified due to data which are conclusive although insufficient for classification.

12. Ecological information**Toxicity**

Toxicity to fish	: Note: Conclusive and supporting classification (Ref: REACH Dossier - ECHA disseminated data)
Toxicity to daphnia and other aquatic invertebrates	: Note: Conclusive and supporting classification (Ref: REACH Dossier - ECHA disseminated data)
Toxicity to algae	: Note: Conclusive and supporting classification (Ref: REACH

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Dossier - ECHA disseminated data)

Persistence and degradability

Biodegradability : Dissolved organic carbon (DOC)
Result: rapidly biodegradable
Value: 99 %

Other adverse effects

Additional ecological information : Harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Product : In accordance with local and national regulations.

14. TRANSPORT INFORMATION**ADR**

UN/ID No. : UN 3077
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S.
(ZINC ACETATE-2-HYDRATE)
Class : 9
Packing group : III
Classification Code : M7
Hazard Identification Number : 90
Labels : 9

IATA

UN/ID No. : UN 3077
Description of the goods : Environmentally hazardous substance, solid, n.o.s.
(Zinc acetate-2-hydrate)
Class : 9
Packing group : III
Labels : 9
Packing instruction (cargo aircraft) : 956
Packing instruction : 956

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(passenger aircraft)
Packing instruction : Y956
(passenger aircraft)

IMDG

UN/ID No. : UN 3077
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S.
(ZINC ACETATE-2-HYDRATE)
Class : 9
Packing group : III
Labels : 9
EmS Number 1 : F-A
EmS Number 2 : S-F

Marine pollutant : yes

HAZCHEM Code: 2Z

15. REGULATORY INFORMATION**National regulatory information**

Standard for the Uniform : No poison schedule number allocated
Scheduling of Medicines and
Poisons

Other international regulations**Notification status**

US. Toxic Substances : On TSCA Inventory
Control Act

Australia. Industrial Chemical : On the inventory, or in compliance with the inventory
(Notification and
Assessment) Act

Canada. Canadian : All components of this product are on the Canadian DSL
Environmental Protection Act
(CEPA). Domestic
Substances List (DSL)

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

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Korea. Toxic Chemical Control Law (TCCL) List : On the inventory, or in compliance with the inventory

Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act : On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances : On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand : On the inventory, or in compliance with the inventory

16. OTHER INFORMATION**Sources of key data used to compile the Safety Data Sheet:**

1. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]
2. Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]
3. List of Designated Hazardous Substances [NOHSC:10005(1999)]
4. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]
5. Australian Dangerous Goods Code, No. 6 [National Road Transport Commission]
6. Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP), No. 19 [NDPSC: 2004]
7. National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]

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.

Final determination of suitability of any material is the sole responsibility of the user.

This information should not constitute a guarantee for any specific product properties.

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Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Prepared by:

Honeywell Performance Materials and Technologies Product Stewardship Group

End of Safety Data Sheet