

MATERIAL SAFETY DATA SHEET**Product Name:** Zinc acetate dihydrate**CAS No.:** 5970-45-6**Version:** 0**1. Identification**

Product Code : 90589
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2. Hazards Identification**Hazard classification**

Acute toxicity, Oral : Category 4
Eye irritation : Category 2
Acute aquatic toxicity : Category 1
Chronic aquatic toxicity : Category 1

Label elements**Hazard symbol**

Signal word : Warning
Hazard statement : Harmful if swallowed.
Causes serious eye irritation.
Very toxic to aquatic life with long lasting effects.
Precautionary statement : Avoid release to the environment.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Dispose of contents/ container to an approved waste disposal plant.
Supplemental Hazard Statements : None.

3. Composition/information on ingredients

Ingredient	CAS No	PERCENT
Zinc acetate dihydrate	5970-45-6	NLT 99.0%

MATERIAL SAFETY DATA SHEET**Product Name:** Zinc acetate dihydrate**CAS No.:** 5970-45-6**Version:** 0**4. First Aid Measures****Description of first aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation

: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin contact

: Wash off with soap and plenty of water. Consult a physician.

Eye contact

: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Swallowed

: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

Indication of any immediate medical attention and special treatment needed Treatment

: No data available

5. Fire fighting measures**Extinguishing media****Suitable extinguishing media**

: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

: Carbon oxides, Zinc/zinc oxides

Advice for firefighters

: Wear self contained breathing apparatus for firefighting if necessary

Further information

: Use water spray to cool unopened containers.

6. Accidental Release Measures**Personal precautions, protective equipment and emergency procedures**

: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions

: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

MATERIAL SAFETY DATA SHEET**Product Name:** Zinc acetate dihydrate**CAS No.:** 5970-45-6**Version:** 0**Reference to other sections** : For disposal see section 13.**7. Handling and Storage****Precautions for safe handling** : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.**Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.**Specific end use(s)** : No data available**8. Exposure Controls Personal Protection****Control parameters****Components with workplace control parameters****Exposure controls****Appropriate engineering controls** : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.**Personal protective equipment****Eye/face protection** : Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).**Skin Protection Hand protection** : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.**Body Protection** : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace..**Respiratory protection** : Respiratory protection is required.**9. Physical and Chemical Properties****Appearance** : Colourless or white efflorescent crystals.**Odor** : No data available**pH** : 6.0 – 8.0 at 50 g/l at 25 °C**Melting point/freezing point** : 237 °C**Initial boiling point and boiling range** : No data available**Flash Point** : No data available**Vapor pressure** : No data available

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Vapor density : No data available
Relative density : 1.840 g/cm³
Solubility in water : No data available
Solubility (other) : No data available
Formula : C₄H₆O₄Zn · 2H₂O
Molecular Weight : 219.51 g/mol

10. Stability and Reactivity

Reactivity : No data available
Chemical stability : Stable under recommended storage conditions.
Possibility of hazardous reactions : No data available
Conditions to avoid : No data available
Incompatible materials : Oxidizing agents
Hazardous decomposition products : No data available

11. Toxicological Information**Information on toxicological effects**

Acute toxicity : LD50 Oral - rat - 794 mg/kg
Skin corrosion/irritation : Mild skin irritation - 24 h
Serious eye damage/eye irritation : Moderate eye irritation - 24 h
Respiratory or skin sensitization : No data available
Germ cell mutagenicity : No data available
Carcinogenicity : No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
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
Signs and Symptoms of Exposure : No data available

MATERIAL SAFETY DATA SHEET**Product Name:** Zinc acetate dihydrate**CAS No.:** 5970-45-6**Version:** 0**12. Ecological Information**

- Toxicity** : Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 0,55 mg/l – 96.0 h
- Persistence and degradability** : No data available
- Bioaccumulative potential** : No data available
- Mobility in soil** : No data available.
- Other adverse effects** : Toxic to aquatic life with long lasting effects.

13. Disposal consideration

- Disposal instructions** : Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber..
- Contaminated packaging** : Dispose of as unused product.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	3077	Zinc di(acetate)	9	III	YES
IMDG	3077	Zinc di(acetate)	9	III	YES
IATA	3077	Zinc di(acetate)	9	III	YES

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date** :01/08/2014**Version** : 0

Disclaimer: This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests

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