
Material Safety Data Sheet

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1004 Zinc Pyrithione 50% Aqueous Dispersion

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1. Chemical identification

Product Number: 1004

Product Name: Zinc Pyrithione 50% Aqueous Dispersion

Supplier details: shanghai exquisite biochemical co., ltd

2. Composition/Information on ingredients

Composition:

Zinc Pyrithione CAS Number: 13463-41-7 Proportion: 48-50%

Water CAS Number: 7732-18-5 Proportion: 47-50%

Sodium Polynaphthalene Sulfonate CAS Number: 9084-06-4 Proportion: 1%

3. Hazards identification

Proper shipping name: Toxic Liquid Organism, N.O.S.

CLASS:6.1

UN NO.:2810

PG:II

Irritating to eyes, respiratory system and skin.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

4. First-aid measures

Eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately.

Serious Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. Seek immediate medical attention.

Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

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5. Fire fighting measures

Flammability of the product: Non-flammable

Flash Points: Not applicable

Explosion Hazards in Presence of Various Substances: Non-explosive in presence of open flames and sparks, of shocks.

6. Accidental release measures

Small Spill: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill: Poisonous liquid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas, dike if needed. Call for assistance on disposal.

7. Handling and storage

Precautions: Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents, metals.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure controls/personal protection

Avoid prolonged or repeated exposure.

Respiratory protection: Filler apparatus.

Eye protection: Goggles.

Hand protection: Chemical-resistant gloves.

Body protection: Light protective clothing.

Hygiene measures: At work do not eat, drink, smoke or drugs. Keep away from food and drink. Wash thoroughly after handling.

9. Physical and chemical properties

Guarantee date: one year

Form: Liquid

Colour: White

Odour: Nearly odourless

PH: 6-9

Boiling Point: The lowest known value is 100°C.

Specific Gravity: Weighted average 1.30

Vapor Pressure: The highest known value is 2.3 kPa @ 20°C.

Vapor Density: The highest known value is 0.62.

Solubility: Soluble in cold water

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10. Stability and reactivity

Stability: This compound is stable under normal conditions.

Incompatibility with various substances: Reactive with oxidizing agents, reducing agents, metals.

Corrosivity: Non-corrosive in presence of glass

Polymerization: Not occur

11. Toxicological information

Acute oral toxicity (LD50): 330 mg/kg (Mouse)

Acute dermal toxicity (LD50): 206 mg/kg (Rabbit)

Teratogenic Effects: Classified POSSIBLE for human

Developmental Toxicity: Classified Reproductive system/toxin/female POSSIBLE

Eyes: Causes eye irritation

Skin: Acute effects: Causes skin irritation. May be fatal if absorbed through skin. However, it is found to have poor absorption (less than 1%). Chronic effects: Prolonged or repeated skin contact may cause allergic dermatitis or photosensitivity dermatitis.

Ingestion: Acute effects: Harmful if swallowed. Causes gastrointestinal tract irritation with nausea/vomiting, diarrhea. May affect behavior (somnolence or general depressed activity), nervous system (peripheral nerve and sensation), sense organs, metabolism. Chronic effects: Prolonged or repeated ingestion may cause hypermotility, diarrhea, generalized skeletal muscle wasting and weakness. It may also affect behavior/central nervous system/peripheral nervous system, metabolism, eyes, and cause spastic paralysis with or without sensory change, somnolence, weight loss, retinal changes (pigmentary changes, retinitis, etc.).

Inhalation: Causes respiratory tract irritation. May affect respiration (dyspnea, acute pulmonary edema), and metabolism (weight loss).

12. Ecological information

Aquatic Ecotoxicity: Mortality to Fish, Intoxication to Molluscs, Population to Phytoplankton.

Photo-degradation half-life in seawater: 8 min.

At lower light intensities, i.e. in natural waters containing organic matter, and in the dark, the compounds are stable for more than 48 hours.

The toxicity for pelagic bacteria, algae and zooplankton communities varied between EC50 values of 1.6-60 Nm.

13. Disposal considerations

Mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

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14. Regulatory information

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

Other Classifications:

WHMIS (Canada): CLASS D-1B Material causing immediate and serious toxic effects (TOXIC)

DSCL(EEC): R24/25 Toxic in contact with skin and if swallowed. R26 Very toxic by inhalation. R36/38 Irritating to eyes and skin. S28 After contact with skin, wash immediately with plenty of water. S36/37 Wear suitable protective clothing and gloves. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S46 If swallowed, seek medical advice immediately and show this container or label.

HMIS (USA):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: h

National Fire Protection Association (USA):

Health: 2

Flammability: 0

Reactivity: 0

15. Other information

This information is based on our present state of knowledge. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirement. The data does not signify any warranty with regard to the product's properties.