

ASES CHEM

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SAFETY DATA SHEET

Zinc Pyrithione 50% (Anti Dandruff Liquid)

1. Identification of the Substance/Preparation & Company/Undertaking

Product Name	Zinc Pyrithione 50% (Anti Dandruff Liquid)
Substance Name	Zinc Pyrithione 50% (ZPT 50%)
Chemical Name	1-Hydroxypyridine-2-thione Zinc salt (Suspension)
CAS Number	13463-41-7
Product Code	Z032
Recommended Use	Antidandruff, antiseborrheic, hair-conditioning formulations, manufacturing. For manufacturing personal care products - industrial use only.
Supplier	ASES Chem, Brahm Bagh, Jalori Gate, Jodhpur, Rajasthan 342001, India. Ph: +91 96368 89954. Email: ecom@ases.in
Manufacturer	Kumar Organic Products Ltd., Plot No. 379, Canal Road, Matri Marg, Vill. Luna, Taluk Padra, Dist. Vadodara, Gujarat 390039, India.
Emergency Contact	ASES Chem: +91 96368 89954 (business hours)

2. Hazard Identification

Classification (UN GHS / EU Regulation EC 1272/2008)	Acute Toxicity, Oral (Category 3); Acute Toxicity, Inhalation (Category 3); Serious Eye Damage (Category 1); Acute Aquatic Toxicity (Category 1)
Hazard Statements	H301 Toxic if swallowed. H318 Causes serious eye damage. H331 Toxic if inhaled. H400 Very toxic to aquatic life.
Precautionary Statements	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P330 Rinse mouth. P304+P340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. P391 Collect spillage. P501 Dispose of contents/container in accordance with local regulation.
Signal Word	Danger
Pictograms	Skull and crossbones (acute toxicity); Corrosion/exclamation (serious eye damage); Environment (aquatic toxicity)

3. Composition / Information on Ingredients

Zinc Pyrithione	13463-41-7	236-671-3	Acute Tox. Oral (3), Acute Tox. Inhal. (3), Eye Dam. (1), Aquatic Acute (1)	48 - 50%
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Water	7732-18-5	231-791-2	-	Qs to 100
Propylene Glycol	57-55-6	200-338-0	Acute Tox. Oral (4)	<3%

4. First Aid Measures

General	If exposed or concerned: get medical advice/attention.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Seek immediate medical attention.
Skin Contact	Wash off with soap and plenty of water. Get medical attention.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and get medical attention.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention.
Other Information	Treat symptomatically.

5. Fire-Fighting Measures

Suitable Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Special Hazards	No data available.
Fire-Fighting Procedures	Wear self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

Personal Precautions	Use personal protective equipment. Avoid dust formation and breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for Cleaning Up	Take up mechanically or sweep up carefully into a suitable container for recovery or disposal. Avoid generating dust. Ventilate the area and wash the spill site after clean-up.

7. Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation where dust is formed.
Storage	Store in a cool place. Keep container tightly closed in a dry, well-ventilated place, protected from sunlight.

8. Exposure Controls / Personal Protection

Exposure Limit	No data available.
Respiratory Protection	Use a suitable full-face particle respirator where risk assessment indicates it is appropriate.
Hand Protection	Wear chemical-resistant protective gloves.
Eye Protection	Wear safety glasses/goggles.
Skin Protection	Wear chemically protective clothing.
Environmental Controls	Take all necessary precautions to avoid release into the environment.

9. Physical and Chemical Properties

Appearance	Off-white suspension
Odour	Characteristic odour
pH (5% slurry in pH 7.0 water)	6.5 - 9.0
Melting/Freezing Point	Not applicable
Solubility	Negligible in water
Other Properties	Flash point, vapour pressure/density, auto-ignition, and decomposition temperature: no data available

10. Stability and Reactivity

Stability	Stable under normal conditions; no hazardous polymerization.
Conditions to Avoid	Direct sunlight, heat, and sources of ignition.
Materials to Avoid	Strong oxidizing agents.
Reactivity	Avoid contact with chlorinating substances.

11. Toxicological Information

Inhalation	Irritating to mucous membranes and upper respiratory tract.
Acute Toxicity	LD50 Oral (rat): 234 mg/kg (calculated value for the mixture). LD50 Dermal (rabbit): > 3760 mg/kg (calculated value for the mixture).
Eye Contact	Risk of serious damage to eyes.
Potential Health Hazards	Toxic if inhaled, swallowed, or absorbed through skin. Causes respiratory tract and skin irritation.
Sensitization	Not confirmed to be a sensitizer.
Mutagenicity	Non-mutagenic in Ames test.

12. Ecological Information

Toxicity	LC50 (96h) Fish (Sheepshead minnow): 0.8 mg/L. EC50 (48h) Daphnia magna: 0.016 mg/L. EC50 (120h) Algae (Selenastrum capricornutum): 56 mg/L. (All calculated values for the mixture.)
Persistence/Degradability	No data available.
Mobility in Soil	No data available.

13. Disposal Considerations

Product	Observe all local government environmental regulations. Contact a licensed professional waste disposal service.
Contaminated Packaging	Dispose of as chemical waste.

14. Transport Information

ADR/RID/IMDG/IATA	UN 2810, Class 6.1, Packing Group III. Proper shipping name: Toxic, Liquids, Organic, N.O.S. (Pyrethione Zinc).
Marine Pollutant	Yes (IMDG)

DOT	Not regulated
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15. Regulatory Information

Classification (UN GHS / EU EC 1272/2008)	H301, H318, H331, H400
Signal Word	Danger

16. Other Information

Issued by	ASES Chem
Issue Date	August 2026
Basis for Data	Hazard classification, physical/chemical, toxicological and ecological data in this SDS are drawn from the manufacturer's (Kumar Organic Products Ltd.) safety documentation for this material, reissued here under ASES Chem's own supplier information for the Indian market.
Disclaimer	This information is believed to be accurate and is provided in good faith, but no warranty, express or implied, is made. It is the user's responsibility to determine the suitability of this information for their own particular use.