

Section 1: Identification

Product Name Zinc Pyrithione (48% Min. Aqueous Dispersion)
Commercial Name Not available
Product Use Antidandruff agent, cosmetic use
Restrictions On Use Not available
Product Code 30-1885
Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Acute toxicity (Oral): Category 4 Acute toxicity (Inhalation): Category 4 Serious eye damage: Category 1
CFR 1910.1200
Signal Word DANGER
Hazard Statement(s) Causes serious eye damage. Prolonged/repeated exposure causes organ damage. Toxic to aquatic life with long lasting effects. Harmful if swallowed or inhaled.

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear eye protection/ face protection.
Response P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Storage Not available.
Disposal P501 Dispose of contents/ container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Substance/Mixture Mixture
Components Zinc Pyrithione, 2,4-Imidazolidinedione, 1,3-Bis(Hydroxymethyl)-5,5-Dimethyl, 3(2H)-Isothiazolone, 2-Methyl-
% By Weight See below in Mixtures Section
CAS# See below in Mixture
Molecular Weight 317.68 g/mol
Chemical Formula Not applicable
Synonym(s) Zinc pyrithione, Zinc pyridinethione.

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
2,4-Imidazolidinedione, 1,3-Bis(Hydroxymethyl)-5,5-Dimethyl	6440-58-0	<=0.5		
Zinc Pyrithione	13463-41-7	>=48.0-<=50.0		
3(2H)-Isothiazolone,2-Methyl-	2682-20-4	<=0.5		

Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 4: First-Aid Measures

Inhalation	Move to fresh air. Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice. If breathing is irregular or stopped, administer artificial respiration. Keep respiratory tract clear.
Skin Contact	After contact with skin, wash immediately with plenty of soap and water. If on clothes, remove clothes. In the case of skin irritation or allergic reactions see a physician.
Eye Contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. Continue rinsing eyes during transport to hospital. Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Symptoms/Effects	
Acute	No data available
Delayed	No data available
Immediate Medical Attention	Treat symptomatically.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Water spray Alcohol-resistant foam Dry chemical

Unsuitable Extinguishing Media

High volume water jet

Products of Combustion

Heating or fire can release toxic gas. Do not allow run-off from fire fighting to enter drains or water courses.

Firefighters Special Equipment and Precautions

Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Use respirator when performing operations involving potential exposure to vapour of the product. Environmental precautions General advice : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Methods and materials for containment and cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Section 7: Handling and Storage

Advice on safe handling: Do not breathe vapours/dust. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations. Conditions for safe storage: Keep container tightly closed. Keep in a well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards. To maintain product quality, do not store in heat or direct sunlight.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Contains no substances with occupational exposure limit values.
Engineering Controls	Not available.

Safety Data Sheet

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Personal Protection

Respiratory protection: In the case of vapour formation use a respirator with an approved filter. Respirator with ABEK filter. Respirator with a vapour filter (EN 141) Hand protection Material: Nitrile rubber
Remarks : Wear protective gloves. Break through time : > 480 min Eye protection: Safety glasses with side-shields conforming to EN166 Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place. Impervious clothing Hygiene measures : Avoid contact with skin, eyes and clothing. When using do not eat or drink. When using do not smoke.

Section 9: Physical and Chemical Properties

Appearance	off-white, tan dispersion		
Odor	Slight		
Odor Threshold	Not available		
Melting Point	Not available	pH	6.5 - 8.5, (25 °C)
Freezing Point	1.5 °C	Vapor Pressure	31 hPa (25 °C)
Boiling Point/Range	100 °C	Vapor Density	No data
Decomposition temperature	Not available	Viscosity	No data
Partition Coefficient: n-octanol/water	0.97	Evaporation Rate	No data
Flash Point	> 100 °C	Autoignition temperature	Not available
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	Not available
		Upper	Not available
Solubility(ies)	Not available.		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	No decomposition if stored and applied as directed.
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Stable under recommended storage conditions.
Conditions to Avoid	Heat
Incompatible Materials	Strong acids and strong bases Oxidizing agents
Hazardous Decomposition Products	Not available.

Section 11: Toxicological Information**RTECS** Not available**Acute Toxicity**

Acute oral toxicity (Acute toxicity estimate): 537.05 mg/kg Method: Calculation method Acute inhalation toxicity (LC50): By analogy 5.1 mg/l Species: Rat Exposure time: 4 h Test atmosphere: dust/mist Assessment: The component/mixture is moderately toxic after short term inhalation. Acute dermal toxicity (Acute toxicity estimate): 5,000 mg/kg Method: Calculation method

Skin Corrosion/Irritation

Not available

Serious Eye Damage/Irritation

Not available.

Respiratory or Skin Sensitization

Not available.

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive Toxicity

Not available.

Routes of Entry

Not available.

Symptoms Related to Exposure

Not available

Potential Health Effects

Not available

Target Organ(s)

Repeated exposure: Skeletal muscle atrophy and peripheral nerve damage characterised by muscle weakness has

Section 12: Ecological Information**Ecotoxicity**

Zinc bis(pyridine-2-thiolate 1-oxide) (CAS-No.: 13463-41-7): Toxicity to fish (LC50) : 0.0026 mg/l Species: Pimephales promelas (fathead minnow) flow-through test Exposure time: 96 h Method: OECD Test Guideline 203 Toxicity to daphnia and other aquatic invertebrates (EC50) : 0.0082 mg/l Species: Daphnia magna (Water flea) flow-through test Exposure time: 48 h Method: OECD Test Guideline 202 Toxicity to algae (NOEC) : 0.00046 mg/l Species: Skeletonema costatum (marine diatom) Exposure time: 120 h Toxicity to algae (ErC50) : 0.0012 mg/l Species: Skeletonema costatum (marine diatom) Exposure time: 120 h M-Factor (Acute aquatic toxicity) : 100 M-Factor (Chronic aquatic toxicity) : 10

Persistence and Degradability

Inherently biodegradable. Considered rapidly degradable in the environment.

Bioaccumulative Potential

Does not bioaccumulate.

Mobility in Soil

immobile

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

Dispose of contents/container in accordance with local regulation. Contact waste disposal services. Do not dispose of waste into sewer. The product should not be allowed to enter drains, water courses or the soil.

Disposal of Container

Dispose of as unused product. Do not re-use empty containers.

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

UN number : 3082 Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (Zinc bis(pyridine-2-thiolate 1-oxide)) Transport hazard class : 9 Packing group : III Labels : 9 Emergency Response Guidebook Number: 171 Environmental hazards : no

Section 15: Regulatory Information**Regulations**

EPCRA - Emergency Planning and Community Right-to-Know Act SARA 302 - No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 - The following components are subject to reporting levels established by SARA Title III, Section 313: Zinc pyrithione 13463-41-7 50 % US State Regulations Massachusetts Right To Know No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right To Know Zinc pyrithione 13463-41-7 New Jersey Right To Know Zinc pyrithione 13463-41-7 California Prop 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. The components of this product are reported in the following inventories: TSCA : The components of this product are listed on the TSCA Inventory of Existing Chemical Substances. Inventories AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

Other

Not available.

**Safety Data Sheet**

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Section 16: Other Information

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