



Kumar Organic Products Limited

MATERIAL SAFETY DATA SHEET:

Sodium Pyrithione 40%

1. Product and Company Identification

Chemical Name	2-Mercaptopyridine-N-oxide, sodium salt, 40 w/w % aqueous solution
Trade Name	Sodium Pyrithione
Generic Name	Sodium omadine; Sodium Pyrithione
Product Code	K 021
Manufacturer's Name	Kumar Organic Products Ltd.
Address	Plot 379, Canal Road, Maitri marg, Vill-Luna, Taluko-Padra, Dist-Vadodara Gujarat-3900039 Tel :- 02662-244016, 17 Email: kopl_baroda@kumarorganic.net

2. Composition / Information on Ingredients

Composition	40 %
Formula	C ₅ H ₄ NNaOS
Molecular Weight	149.2
CAS No.	3811-73-2
INCI Name	Sodium Pyrithione

3. Hazards Identification

Human health effects:	
a. Effects of eye	Causes eye irritation
b. Effects of skin contact	Causes skin irritation. Harmful if absorbed through the skin.
c. Effect of Ingestion:	Harmful if swallowed. May cause irritation of the digestive tract
D. Inhalation:	Harmful if inhaled. Causes respiratory tract irritation.
E. Chronic:	No information found



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Environmental effects:	
Toxic to aquatic organisms	In the aquatic environment, it may cause long term adverse effects

4. First aid measures

General	Remove subject from exposed areas. Remove contaminated clothing immediately.
a. Eye	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately
b. For skin	Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
c. Ingestion:	Do not induce vomiting. Get medical aid immediately. Call a poison control center
d. Inhalation:	Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device

5. Fire fighting measures

Suitable extinguishing media	Non – Combustible.
Combustion products	Hazardous gases : Carbon monoxide (CO), Nitrous gases (NOx).
Fire fighting procedures	As with all fires, evacuate personnel to a safe area. equipment Fire fighters should use self contained breathing and protective clothing
General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear



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6. Accidental release measures

General Information	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Provide ventilation. Do not let this chemical enter the environment

7. Handling and storage

Handling	Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood.
Storage	Store in a cool, dry place. Store in a tightly closed container.

8. Exposure control and personal protection

Exposure controls	Use process enclosure, local exhaust ventilation or other controls to ensure dust concentrations are kept as low as reasonably practical
Occupational exposure control:	<ul style="list-style-type: none">• Wear chemical safety goggles• Compatible chemical resistant gloves.
Personal protection:	
Respiratory protection	Use NIOSH approved respirator when performing operations involving potential exposure to high levels of dust of product. Seek professional advice prior to respirator selection
Hand protection	Wear impervious (eg. nitrile rubber) gloves
Eye protection	Wear splash-proof goggles or face shield
Skin protection	Wear protective footwear, light protective suit and helmet



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Work practices	Eye wash facilities and a safety shower should be easily accessible. Before breaks and at the end of work thoroughly wash hands with soap and water. Wash contaminated clothing before reuse
Environmental exposure controls	All necessary precautions must be taken to avoid release into the environment. Refer to local, state or national legislation for environmental and pollution control.

9. Physical and chemical properties

Appearance	Dark yellow to amber brown solution
Odour	Not Applicable
pH value (5 % slurry in pH 7 water)	8.5 – 10.5
Vapour pressure	19 mm Hg @ 25 deg C
Viscosity	Not Applicable
Boiling point, °C	109 deg C @ 760 mmHg
Decomposition Temp °C	250 deg C
Solubility in <ul style="list-style-type: none">• Water• Caustic Soda• Acids	<ul style="list-style-type: none">• Slightly soluble• Soluble• soluble

10. Stability and reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials, excess heat
Incompatibilities with Other Materials:	Strong oxidizing agents
Hazardous Decomposition Products:	Nitrogen oxides, carbon monoxide, oxides of sulfur, carbon dioxide



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11. Toxicological data

Inhalation	Irritating to mucous membranes and upper respiratory tract
Skin contact	Irritating to skin
Eye contact	Risk of serious damage to eyes
Health-related end-points:	
a. Sensitization	Not confirmed to be a sensitizer
b. Mutagenicity	Non mutagenic in Ames test

12. Ecological data

Ecotoxicity: Water flea Daphnia: EC50 = 0.022 mg/L; 48 Hr.; Unspecified No data available.
Environmental: No information available.
Physical: No information available.
Other: Do not empty into drains

13. Disposal considerations

- Burn in a chemical incinerator
- Follow local environmental regulations

14. Transport information

The product is not classified as dangerous for transport in accordance with ADR, ADNR, RID, IATA, IMDG.

UN No. Not Applicable
Class Not Applicable
Primary risk keep away from food stuffs

15. Regulatory information

Labeling in accordance with EC Directives:	83/467 EC XI. N Irritant and dangerous for the Environment
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S phrases	
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
R phrases	
R 20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R 36/37/38	Irritating to eyes, respiratory system and skin

16. Other information

The information contained in the MSDS has been compiled from data considered accurate. The data is believed to be reliable. This data is not to be construed as absolutely complete, since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product.

Valid upto Jan 2014