SUVCHEM
LABORATORY CHEMICALS

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MATERIAL SAFETY DATA SHEET (MSDS)

8-HYDROXY QUINOLINE (OXINE)

1. Product Identification

Synonyms: Hydroxybenzopyridine; 8-Quinolinol; Phenopyridine
CAS No.: 148-24-3

Product Coad: H0110200500

Molecular Weight: 145.16
Chemical Formula: HOC9H6N

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
8-Hydroxyquinoline	148-24-3	99 - 100%	Yes

3. Hazards Identification

Emergency Overview CAUTION! MAY BE HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.
Potential Health Effects
Inhalation: Inhalation of dust may cause irritation to the respiratory tract. Symptoms may include coughing, labored breathing and chest pain. Other health effects may parallel those from ingestion.
Ingestion: May cause irritation to the gastro-intestinal tract, vomiting, diarrhea, anorexia, and malaise. Based on studies with laboratory animals, large oral doses may cause confusion, respiratory difficulty, paralysis, and other central nervous system effects.
Skin Contact: May cause irritation with redness and pain.
Eye Contact: May cause irritation, redness and pain.

4. First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.
Eye Contact: =Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

5. Fire Fighting Measures

Fire: As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.
Explosion: Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Fire Extinguishing Media: Water, dry chemical, foam or carbon dioxide.
Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from any source of heat or ignition. Isolate from oxidizing materials. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits: None established.
Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.
Personal Respirators (NIOSH Approved): For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible,

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a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear protective gloves and clean body-covering clothing.
Eye Protection: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance: White crystals.
Odor: Phenolic odor.
Solubility: Almost insoluble in water.
Specific Gravity: 1.04 @ 209C/4C
Boiling Point: ca. 267C (ca. 513F)
Melting Point: 72 - 74C (162 - 165F)

10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage. Discolors on exposure to light.
Hazardous Decomposition Products: May produce oxides of carbon and oxides of nitrogen when heated to decomposition.
Hazardous Polymerization: Will not occur.
Incompatibilities: Strong oxidizers.
Conditions to Avoid: Incompatibles.

11. Toxicological Information

Oral rat LD50: 1200 mg/kg; inhalation rat LC50: 1210 mg/m3/6-hour. Investigated as a tumorigen and mutagen.

	---NTP Carcinogen---		
Ingredient	Known	Anticipated	IARC Category
8-Hydroxyquinoline (148-24-3)	No	No	3

12. Ecological Information

Environmental Fate: No information found.
Environmental Toxicity: No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

NON HAZARDOUS FOR AIR, ROAD AND SEA TRANSPORT

15. REGULATORY

SARA Title III: N/A
Federal Regulatory: N/A

16. Other Information

NFPA Ratings: Health: **1** Flammability: **1** Reactivity: **1**
Label Hazard Warning: CAUTION! MAY BE HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.
Label Precautions: Avoid contact with eyes, skin and clothing.
Avoid breathing dust.

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Keep container closed.
Use with adequate ventilation.
Wash thoroughly after handling.
Label First Aid: If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.
Product Use: Laboratory Reagent.

In accordance with REACH Regulation (CE) Nº 1907/2006 and with CLP Regulation (CE) Nº 1272/2008

DISCLAIMER:

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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