

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

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SAFETY DATA SHEET

Halquinol 60%

1. Product Identification

- **Product Name:** Halquinol 60%
- **Chemical Name:** 5,7-Dichloro-8-hydroxyquinoline mixture
- **CAS Numbers:**
 - **5-Chloro-8-hydroxyquinoline:** 130-16-5
 - **7-Chloro-8-hydroxyquinoline:** 130-17-6
 - **5,7-Dichloro-8-hydroxyquinoline:** 130-21-8
- **Molecular Formula:** C₉H₅Cl₂NO (for dichlorohydroxyquinoline derivatives)
- **Synonyms:** Chlorquinol, Dichlorohydroxyquinoline mixture
- **Intended Use:** Veterinary feed additive, antimicrobial agent for gastrointestinal health in livestock
- **Supplier/Manufacturer:** Cocreate Global Technologies Private Limited

2. Hazard Identification

- **Classification (GHS):**
 - Acute Toxicity (Oral): Category 4
 - Skin Irritation: Category 2
 - Eye Irritation: Category 2A
 - Environmental Hazard: Category 3 (Aquatic Toxicity)
- **Signal Word:** Warning
- **Hazard Statements:**
 - H302: Harmful if swallowed
 - H315: Causes skin irritation
 - H319: Causes serious eye irritation

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- H412: Harmful to aquatic life with long-lasting effects

- **Precautionary Statements:**

- P264: Wash hands thoroughly after handling
- P270: Do not eat, drink, or smoke while using this product
- P273: Avoid release into the environment
- P280: Wear protective gloves, clothing, and eye protection

3. Composition / Information on Ingredients

Component	CAS Number	Concentration
5-Chloro-8-hydroxyquinoline	130-16-5	~30%
7-Chloro-8-hydroxyquinoline	130-17-6	~5%
5,7-Dichloro-8-hydroxyquinoline	130-21-8	~65%
Inert Ingredients	-	Balance

4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if breathing difficulty persists.
- **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse cautiously with water for several minutes. If irritation persists, seek medical advice.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek immediate medical assistance.

5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, carbon dioxide (CO₂), foam
- **Specific Hazards:** May emit toxic fumes (chlorine, nitrogen oxides) upon combustion
- **Protective Equipment for Firefighters:** Use self-contained breathing apparatus and protective gear

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6. Accidental Release Measures

- **Personal Precautions:** Use personal protective equipment to prevent exposure
- **Environmental Precautions:** Avoid release into waterways
- **Cleanup Methods:** Collect material mechanically and place in appropriate waste container

7. Handling and Storage

- **Handling:** Avoid contact with eyes, skin, and clothing. Provide adequate ventilation.
- **Storage:** Store in a cool, dry place away from sunlight, heat, and incompatible materials

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Use local exhaust ventilation
- **Personal Protective Equipment (PPE):**
 - **Respiratory Protection:** Use a suitable respirator if airborne concentrations exceed recommended exposure limits
 - **Skin Protection:** Protective gloves and clothing
 - **Eye Protection:** Safety goggles

9. Physical and Chemical Properties

- **Appearance:** Grayish-yellow to off-white crystalline powder
 - **Odor:** Odorless
 - **Melting Point:** Decomposes at high temperatures
 - **Solubility:** Practically insoluble in water
 - **pH:** 4.0–6.0 (in 1% solution)
 - **Density:** Approximately 1.6 g/cm³
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10. Stability and Reactivity

- **Chemical Stability:** Stable under normal conditions
 - **Conditions to Avoid:** Heat, moisture, and direct sunlight
 - **Incompatible Materials:** Strong oxidizers, acids
 - **Decomposition Products:** Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride
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11. Toxicological Information

- **Acute Toxicity:**
 - Oral (Rat): LD50 = 2000 mg/kg
 - Dermal (Rabbit): LD50 > 2000 mg/kg
 - **Skin Irritation:** Causes mild to moderate irritation
 - **Eye Irritation:** Causes irritation
 - **Sensitization:** Not a skin sensitizer
 - **Chronic Toxicity:** No carcinogenic effects noted in standard studies
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12. Ecological Information

- **Aquatic Toxicity:**
 - Fish: LC50 = 50 mg/L (96 hours)
 - Daphnia: EC50 = 25 mg/L (48 hours)
 - **Persistence and Degradability:** Biodegradable under natural conditions
 - **Bioaccumulation Potential:** Low
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13. Disposal Considerations

- Dispose of in accordance with local and national environmental regulations
- Prevent contamination of waterways

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14. Transport Information

- **UN Number:** Not classified as hazardous for transportation
- **Hazard Class:** Not applicable
- **Packing Group:** Not applicable
- **Environmental Hazards:** Harmful to aquatic environments

15. Regulatory Information

- **TSCA (USA):** Listed
- **REACH (EU):** Compliant with registration requirements
- **FIFRA (USA):** Registered veterinary additive

16. Other Information

- **Disclaimer:** The information provided is accurate to the best of our knowledge but does not guarantee specific properties.