

Product Name : **HALQUINOL**
Product Code : **HAL**
MSDS Number : OM – 201 Rev 1
Version Date : 24 April 2009

Material Safety Data Sheet

1. PRODUCT and COMPANY IDENTIFICATION

Product Name: HALQUINOL BP80
Product Code: HAL
MSDS Number: OM-201 Rev 1
Synonyms: HALQUINOL 98%, HALQUINOL BP 80
HALQUINOL, chlorquinol
7-CHLOROQUINOLIN-8-OL, 5-CHLOROQUINOLIN-8-OL
5,7-dichloro-8-quinolinol mixed with 5-chloro-8-quinolinol
5,7-DICHLOROQUINOLIN-8-OL
General Use: Halquinol is a quinoline derivative triple acting time tested and versatile growth promoter, which is effective on bacteria, fungi and protozoa.
Product Description: Antidireahal

EMERGENCY TELEPHONE NUMBERS:

(800) 424-9300 (CHEMTREC) Transportation Emergencies 24 Hours/day, 7 days/week

2. COMPOSITION / INFORMATION on INGREDIENTS

COMPONENT(S)	PERCENT	CAS NUMBER(S)	ELINCS Number
HALQUINOL 98%	≥ 98%	8067-69-4	

3. HAZARDS IDENTIFICATION

NFPA Ratings (0-4) HEALTH = 0 FIRE = 1 REACTIVITY = 0

EC CLASSIFICATIONS Not Determined

EMERGENCY OVERVIEW

Major Health Hazards Yellowish white to offwhite powder with cresol odor.
No significant target effects reported

Physical Hazards No significant target effects reported

4. FIRST AID MEASURES

INHALATION

Remove from exposure immediately, Use a bag valve mask or similar device to perform artificial respiration if needed. Get medical attention.

EYE CONTACT

Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.

SKIN CONTACT

Remove contaminated clothing and shoes immediately. Wash with soap or mild detergent and large amounts of water with no evidence of chemical remains. Get medical attention, if needed.

INGESTION

If swallowed, wash out mouth with water provided person is conscious. Contact a physician and get medical attention if needed.

NOTE TO PHYSICIAN

Treat symptomatically as required by the condition of the patient.

5. FIRE FIGHTING MEASURES

Extinguish using Water spray. Carbon dioxide, dry chemical powder, or appropriate foam. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

FIRE FIGHTING INSTRUCTIONS

Isolate the hazard and evacuate the area. Stay upwind and fight the fire from the maximum distance. Use water spray to cool containers and fire exposed surfaces. Shut off fuel to fire if Possible to do so without hazard.

FIRE FIGHTING EQUIPMENT

Wear standard fire-fighting bunker gear and complete personal protective equipment when exposed to products of combustion.

6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

DUSTS/DRY POWDERS: Use wet cloth/mop to pick up and place in suitable container for disposal.

REPORTING

If required under Federal, State, and local regulations, any spill of this material may need to be reported. Comply with Federal, State, and local regulations on reporting releases. Specific regulatory information will be detailed in Section 15.

7. HANDLING and STORAGE

HANDLING

Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling. Work clothes should be laundered daily.

STORAGE

Keep in original tightly closed containers when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

No occupational exposure limits established.

ENGINEERING CONTROLS

VENTILATION

Local exhaust: Recommended when appropriate to control employee exposure.

Mechanical (General): Not recommended as the sole means of controlling employee exposure.

PERSONAL PROTECTION

RESPIRATORY PROTECTION

Use a NIOSH-approved cartridge respirator with particulate filter.

PROTECTIVE CLOTHING

Use chemical resistant gloves. Check gloves for leaks before use.

EYE/FACE PROTECTION

Wear safety glasses with side shields or chemical safety goggles.

OTHER PROTECTIVE EQUIPMENT

A safety shower and an eye bath should be available.

9. PHYSICAL and CHEMICAL PROPERTIES

Vapor Pressure	: Unknown
Vapor Density	: Unknown
Freezing Point	: (typically for liquids)
Melting Point	: Not applicable
Boiling Point	: Not applicable
Bulk Relative Density	: Not known
Specific Gravity	: Not applicable
Evaporation Rate	: Not applicable
Solubility in Water	: Easily

pH	: 3.0 to 5.5
Appearance	: Yellowish white to off-white crystalline powder
Odor	: Cresol
Physical State	: Solid
Flash Point/Method	: Not applicable/Not applicable

10. STABILITY and REACTIVITY

CHEMICAL STABILITY

Chemically stable.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID

Unknown.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition may produce carbon monoxide, carbon dioxide, and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

INHALATION

No information is available.

EYE CONTACT

May cause eye irritation.

SKIN CONTACT

May cause skin irritation.

INGESTION

No information is available

12. ECOLOGICAL INFORMATION

Not available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

State and local regulations for guidance on disposal of this product. Incineration at a facility with proper ,State issued permits is the recommended method for disposal. DO NOT RELEASE INTO GROUND WATER. DO NOT RELEASE INTO RIVERS, LAKES OR STREAMS.

CONTAINER DISPOSAL

Empty containers retain product residue. Observe all hazard precautions. Keep away from heat, sparks, and flames. Do not distribute, make available, or reuse empty containers except for storage and shipment of original product.

14. TRANSPORT INFORMATION

Land Transport ADR/RID	No classification assigned.
Air Transport IATA/CAO	No classification assigned.
Maritime Transport IMDG	No classification assigned.

15. REGULATORY INFORMATION

Not available

16. OTHER INFORMATION

Not available.

Approval Date: 24 April 2009

Disclaimer The information included in this document is taken from sources, or based on data believed to be reliable and given in good faith. No warranty is made, however, as to the absolute correctness of any of this information, or that additional or other measures may not be required under particular conditions. The data in this Material Safety Data Sheet relates only to the specific material designated and does not relate to use in combination with any other material or in any process. Please refer to the OSHA Hazard Communication Standard 29 CFR 1910.1200 for guidance in the use of this information.

Contact: Rajesh R A.