



Safety Data Sheet

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

CLIOQUINOL USP

30-1052

Section 1: Identification

Product Name	CLIOQUINOL USP
Commercial Name	Not available.
Product Use	Not available.
Restrictions On Use	Not available.
Product Code	30-1052
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 aquatic toxicity (Category 1) Skin irritation (Category 2) Eye irritation (Category 2A) Respiratory system
CFR 1910.1200	
Signal Word	WARNING
Hazard Statement(s)	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Very toxic to aquatic life.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response	P321 Specific treatment (see supplemental first aid instructions on this label). P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	P405 Store locked up.
Disposal	Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture	Substance
Components	Clioquinol
% By Weight	100
CAS#	130-26-7
Molecular Weight	305.5 g/mole
Chemical Formula	C9H5ClNOI
Synonym(s)	5-Chloro-7-iodo-8-hydroxy quinolinol; Iodochlorhydroxyquin

Mixtures	Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
	Clioquinol	130-26-7	100	Not available.	ORAL (LD50):Acute: 5000mg/kg [Rat]. 69mg/kg [Mouse].400 mg/kg [Cat].

Section 4: First-Aid Measures

Inhalation	Immediately relocate self or casualty to fresh air. If breathing is difficult, give cardiopulmonary resuscitation(CPR). Avoid mouth-to-mouth resuscitation
Skin Contact	Rinse skin thoroughly with large amounts of water. Remove contaminated clothing and shoes and call a physician.
Eye Contact	Rinse skin thoroughly with large amounts of water. Remove contaminated clothing and shoes and call a physician.
Ingestion	Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested, the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt, or waistband. If the victim is not breathing, perform mouth-to mouth resuscitation. Seek immediate medical attention.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.

Immediate Medical Attention

Not available.

Section 5: Fire-Fighting Measures
Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Formation of toxic gases is possible during the heating and in case of fire

Firefighters Special Equipment and Precautions

Formation of toxic gases is possible during the heating and in case of fire

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8. Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. Methods and material for containment and cleaning up: Dispose contaminated material as waste according to Section 13. Ensure adequate ventilation.

Section 7: Handling and Storage

Precautions for safe handling Avoid contact with skin and eyes. Avoid formation of dust aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Conditions for safe storage, including any incompatibilities: Keep container tightly sealed in cool, well-ventilated area. Keep away from direct sunlight and sources of ignition.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Contains no substances with occupational exposure limit values.
Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal Protection	Personal protective equipment Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Section 9: Physical and Chemical Properties

Appearance	Solid.		
Odor	Not available.		
Odor Threshold	Not available.		
Melting Point	171.0 C (339.8 0 F)	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not available.	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	Not available.
Chemical Stability	Stable under recommended storage conditions
Hazardous Polymerization	Not available
Conditions to Avoid	Not available
Incompatible Materials	Reactive with oxidizing agents, acids.
Hazardous Decomposition Products	Not available.

Section 11: Toxicological Information
RTECS VC5075000

Acute Toxicity

LD50 > 5000 mg/kg (rat).

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

Eye contact. Inhalation. Ingestion.

Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Target Organ(s) The substance is toxic to kidneys, lungs, the nervous system, Liver, mucous membranes

Section 12: Ecological Information**Ecotoxicity**

Aquatic Toxicity LC50 (96h) 0.28 mg/1 (Fish)

Persistence and Degradability

Not available

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Dispose substance in accordance with prevailing country, federal, state and local regulations.

Disposal of Container

Dispose of as unused product

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

DOT (US) Environmentally hazardous substance, solid, n.o.s. UN number: 3077 Class: 9 Packing group: III Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. Marine pollutant: Marine pollutant IMDG UN number: 3077 Class: 9 Packing group: III Proper shipping name: Environmentally hazardous substance, solid, n.o.s.

Section 15: Regulatory Information**Regulations**

Federal and State Regulations: TSCA 8(b) inventory: Iodoquinol OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other

Not available.

Section 16: Other Information

EINECS N: 204-98-44. Use: Synthetic intermediate with pharmaceutical application.