# Safety Data Sheet

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

## 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: CFR 1910.1200** Acute aquatic toxicity (Category 1) Skin irritation (Category 2) Eye irritation (Category 2A) Respiratory system

**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; Iodochlorhyroxyquin

**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** | Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention. |
| **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)

**Persistance 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.