

**Safety Data Sheet**

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

Section 1: Identification

Product Name diiodohydroxyquinoline/Iodoquinol USP
Commercial Name Not available.
Product Use Laboratory chemicals, Manufacture of substances
Restrictions On Use Not available.
Product Code 30-1690
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 Toxicity, Oral (Category 4) Serious Eye damage (Category 1)**CFR 1910.1200****Signal Word** DANGER**Hazard Statement(s)** Harmful if swallowed. Causes serious eye damage**Pictogram(s) or Symbol(s)****Precautionary Statement(s):**

Prevention Wear protective gloves/eye protection/face protection
Response Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing
Storage Not available.
Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Iodoquinol USP
% By Weight >96
CAS# 83-73-8
Molecular Weight 396.95 g/mole
Chemical Formula C₉H₅I₂NO
Synonym(s) 5,7-Diodo-8-quinolinol Diiodohydroxyquinoline

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Diiodohydroxyquinoline	83-73-8	>96	Not available.	Not available.

Section 4: First-Aid Measures

Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician
Skin Contact	Wash off with soap and plenty of water. Consult a physician
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician
Symptoms/Effects	
Acute	Optic neuritis, inflammation of the optic nerve followed by atrophy, clinical studies have shown the following adverse reactions: Fever, chills, headache, vertigo, thyroid enlargement, nausea, vomiting, diarrhea, abdominal cramps, pruritis, skin eruptions, bullae, vegetating of tuberculous iododerma, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Delayed	Optic neuritis, inflammation of the optic nerve followed by atrophy, clinical studies have shown the following adverse reactions: Fever, chills, headache, vertigo, thyroid enlargement, nausea, vomiting, diarrhea, abdominal cramps, pruritis, skin eruptions, bullae, vegetating of tuberculous iododerma, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Immediate Medical Attention

Not available.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam.

Unsuitable Extinguishing Media

Do not use water jet.

Products of Combustioncarbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...), halogenated compounds, Hydrogen Iodide**Firefighters Special Equipment and Precautions**

Wear self-contained respiratory protective device. Wear fully protective suit

Section 6: Accidental Release Measures

Use personal protective equipment. Avoid dust formation, Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Environmental precautions: Do not allow to enter sewers/surface or ground water. Methods and material for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Reference to other sections: See Section 13 for disposal information.

Section 7: Handling and Storage

Precautions: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measure for preventive fire protection. Storage: Keep container tightly closed and in a well-ventilated place at ambient temperature. Keep in a dry place. Specific end use(s). Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Appropriate engineering controls General industrial hygiene practice.
Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Safety Data Sheet

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

Personal Protection

Personal Protection: 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) and EN 166 (EU) Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves 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 Body protection: Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace Respiratory Protection: Where risk assessment shows air purifying respirators are appropriate use a full face particle respirator type N100(US) or type P3 (EN 143) respirator cartridges as a back up to engineering controls. If the respirator is the sole means of protection, use a full face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) and CEN (EU).

Section 9: Physical and Chemical Properties

Appearance	Crystalline powder. Tan, light yellow		
Odor	Not available.		
Odor Threshold	Not available.		
Melting Point	>200°C	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not available.
Boiling Point/Range	Undetermined.	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Log Pow:3,108	Evaporation Rate	Not available.
Flash Point	Not applicable.	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	No data available
Hazardous Polymerization	No data available
Conditions to Avoid	Not available
Incompatible Materials	Strong oxidizing agents, Strong acids
Hazardous Decomposition Products	No dangerous decomposition products known

Section 11: Toxicological Information

RTECS	VC5775000
Acute Toxicity	
LD50 Intravenous-Mouse-56 mg/kg	
Skin Corrosion/Irritation	
Not available.	
Serious Eye Damage/Irritation	
Not available.	
Respiratory or Skin Sensitization	
Not available.	
Germ Cell Mutagenicity	
Genotoxicity in vivo-mouse-oral micronucleus test	
Carcinogenicity	
No component of this product present at levels greater than or equal to 0.1% identified as probable, possible or confirmed human carcinogen by IARC	
Reproductive Toxicity	
Not available.	
Routes of Entry	
Eye contact. Inhalation. Ingestion.	
Symptoms Related to Exposure	

Optic neuritis, inflammation of the optic nerve followed by atrophy, Clinical studies have shown the following adverse reactions: Fever, chills, Headache, Vertigo, thyroid enlargement, Nausea, Vomiting, Diarrhoea, abdominal cramps, pruritus, skin eruptions, bullae, vegetating of tuberculous iododerma, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation. Ingestion: Harmful if swallowed. Skin: May be harmful if absorbed through skin. May cause skin irritation. Eyes: Causes eye burns.

Target Organ(s) Not available.

Section 12: Ecological Information**Ecotoxicity**

Not available.

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**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Disposal of Container

Not available.

Other Considerations

Dispose off as unused product

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

Federal and State Regulations: TSCA 8(b) inventory: Iodoquinol Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). Other Classifications: WHMIS (Canada): CLASS D-2B: Material causing other toxic effects (TOXIC). DSCL (EEC): R38- Irritating to skin. R41- Risk of serious damage to eyes. HMIS (U.S.A.): Health Hazard: 2 Fire Hazard: 0 Reactivity: 0 Personal Protection: h National Fire Protection Association (U.S.A.): Health: 2 Flammability: 0 Reactivity: 0 Specific hazard: Protective Equipment: Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Other

Not available.

Section 16: Other Information

This sheet completes the technical sheet of use but it does not replace it. The information contained in this sheet is based on our knowledge of the product at the date of 03/96. Moreover the attention of the user is drawn on the risk possibility taken when product is used for other uses than those for which it is intended to.