



## Safety Data Sheet

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

Quinacrine Hydrochloride

30-2193

### Section 1: Identification

**Product Name** Quinacrine Hydrochloride  
**Commercial Name** Mepacrine dihydrochloride dihydrate  
**Product Use** Raw material for API; Manufacturing for drug products and dosage forms  
**Restrictions On Use** Shall not be supply as it to the general public.  
**Product Code** 30-2193  
**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:** Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]. Acute toxicity, Oral (Category 4).  
**CFR 1910.1200** Skin irritation (Category 2). Eye irritation (Category 2). Specific target organ toxicity - single exposure (Category 3). Classification according to EU Directives 67/548/EEC. Harmful if swallowed. Irritating to eyes, respiratory system and skin.

**Signal Word** WARNING

**Hazard Statement(s)** Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

**Pictogram(s) or Symbol(s)**



**Precautionary Statement(s):**

**Prevention** Avoid breathing dust/fume/gas/mist/vapours/spray.  
**Response** If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**Storage** N/A  
**Disposal** N/A

### Section 3: Composition/Information on Ingredients

**Substance/Mixture** Substance  
**Components** Quinacrine hydrochloride  
**% By Weight** 100  
**CAS#** 6151-30-0  
**Molecular Weight** 508.91 g/mole  
**Chemical Formula** C<sub>23</sub>H<sub>30</sub>ClN<sub>3</sub>O<sub>2</sub>·2HCl·2H<sub>2</sub>O  
**Synonym(s)** N/A

#### Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Quinacrine hydrochloride	6151-30-0	100	Not available.	N/A

**Section 4: First-Aid Measures**

<b>Inhalation</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>Skin Contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Symptoms/Effects</b>	
<b>Acute</b>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
<b>Delayed</b>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Immediate Medical Attention**

Consult a physician. Show this safety data sheet to the doctor in attendance.

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

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

**Unsuitable Extinguishing Media**

N/A

**Products of Combustion**

Carbon oxides, nitrogen oxides (NO<sub>x</sub>), hydrogen chloride gas.

**Firefighters Special Equipment and Precautions**

Wear self contained breathing apparatus for fire fighting if necessary.

**Section 6: Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures: 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 let product enter drains. 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.

**Section 7: Handling and Storage**

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. Conditions for safe storage, including any incompatibilities: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store under inert gas. Light sensitive. Store and handle in accordance with all current regulations and standards. Refer to Section 8. Specific end uses: This substance is an active ingredient when used in the production of a drug (medicinal) product for which it is intended to be used in the manufacture.

**Section 8: Exposure Controls/Personal Protection**

**Exposure Limits** Component with workplace control parameters.

**Engineering Controls** Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product.

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**Personal Protection**

Eye 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 gloves'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. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Body protection: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG?P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Solid. Color: Yellow		
<b>Odor</b>	N/A		
<b>Odor Threshold</b>	N/A		
<b>Melting Point</b>	N/A	<b>pH</b>	N/A
<b>Freezing Point</b>	N/A	<b>Vapor Pressure</b>	N/A
<b>Boiling Point/Range</b>	N/A	<b>Vapor Density</b>	N/A
<b>Decomposition temperature</b>	N/A	<b>Viscosity</b>	N/A
<b>Partition Coefficient: n-octanol/water</b>	N/A	<b>Evaporation Rate</b>	N/A
<b>Flash Point</b>	N/A	<b>Autoignition temperature</b>	N/A
<b>Flammability</b>	N/A	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	N/A
		<b>Upper</b>	N/A
<b>Solubility(ies)</b>	N/A		
<b>Other</b>	N/A		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	No data available
<b>Chemical Stability</b>	No data available
<b>Hazardous Polymerization</b>	No data available
<b>Conditions to Avoid</b>	No data available
<b>Incompatible Materials</b>	Oxidizing agents, strong acids.
<b>Hazardous Decomposition Products</b>	No data available

**Section 11: Toxicological Information**
**RTECS** N/A

**Acute Toxicity**

LD50 Intravenous - mouse - 37 mg/kg

**Skin Corrosion/Irritation**

No data available

**Serious Eye Damage/Irritation**

No data available

**Respiratory or Skin Sensitization**

No data available

**Germ Cell Mutagenicity**

No data available

**Carcinogenicity**

Limited evidence of carcinogenicity in animal studies. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive Toxicity**

No data available

**Routes of Entry**

No data available

**Symptoms Related to Exposure**

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. Causes respiratory tract irritation. Ingestion: Harmful if swallowed. Skin: May be harmful if absorbed through skin. Causes skin irritation. Eyes: Causes serious eye irritation.

**Target Organ(s)** Singel exposure: Inhalation. May cause respiratory irritation.

**Section 12: Ecological Information****Ecotoxicity**

No data available.

**Persistence and Degradability**

No data available.

**Bioaccumulative Potential**

No data available.

**Mobility in Soil**

No data available.

**Other Adverse Effects**

No data available.

**Section 13: Disposal Considerations****Waste Disposal**

Product: 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**

Dispose of as unused product.

**Other Considerations**

Not available

**Section 14: Transport Information****DOT Classification**

Not dangerous goods.

**Section 15: Regulatory Information****Regulations**

This substance has been elaborated in accordance with "EudraLex The Rules Governing Medicinal Product in the European Union - Volume 4; EU Guidelines to Good Manufacturing Practice Medicinal products for Human and Veterinary Use / Part II: Basic Requirements for Active Substances used as Starting Materials". This substance is an active pharmaceutical ingredient and Article 46 (f) of Directive 2001/83/EC and Article 50 (f) of Directive 2001/82/EC; as amended by Directives 2004/27/EC and 2004/28/EC respectively, place new obligations on manufacturing authorization holders to use only active substances as per the current described substance, that have been manufactured in accordance with Good Manufacturing Practice for starting materials. Only manufacturing authorization holders are allowed to make use of this drug substance in a drug product. Other uses are for R&D purposes only, not for food or other uses.

**Other**

N/A

**Section 16: Other Information**

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The declarations are given in accordance to our current knowledge. The information has been developed by staff from sources considered reliable but has not been independently verified. No representation or warranty, express or implied, including the warranty of merchantability and fitness for a particular purpose is made with respect to the information contained herein. We shall not be held liable for any damage resulting from handling or from contact with the above product.