

Safety Data Sheet


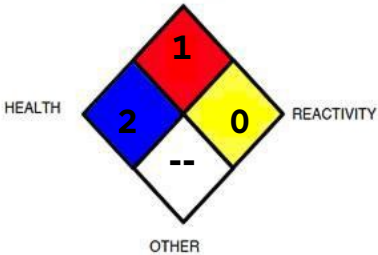
Section 1: Product & Company Identification

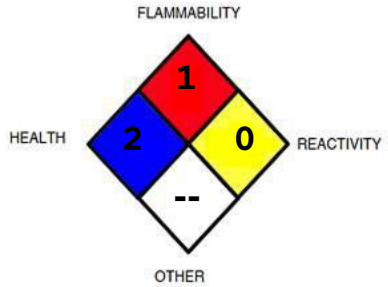
Product Name:	Chloroquine Diphosphate
Product #:	C-2265
Synonyms:	-
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego, CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS#	EC #	% Composition
Chloroquine diphosphate	50-63-5	-	

Section 3: Hazards Identification

Symbols	
HMIS Classification	<p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">OTHER</p>

NFPA Classification	
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Section 4: First Aid Measures

General Overview:	If symptoms persist, call a physician.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
Skin:	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Eyes:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Ingestion:	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	Keep product and empty container away from heat and sources of ignition.
Extinguishing Media:	Water spray, carbon dioxide (CO ₂), dry chemical, alcohol-resistant foam.
Hazardous thermal (de)composition products:	Carbon monoxide, Carbon dioxide, Nitrogen oxides, Oxides of phosphorous, Hydrogen chloride
Special Fire Fighting Procedures:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Flash Point:	No data available

Section 6: Accidental Release Measures

Personal Precautions:	Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation
Environmental Precautions:	Should not be released into the environment. See Section 12 for additional Ecological Information.

Methods for Clean-up:	Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal.
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SECTION 7: Handling & Storage

Storage:	Keep containers tightly closed in a dry, cool and well-ventilated place. Store at -20°C.
Handling:	Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirators if exposure limits are exceeded or if irritation or other symptoms are experienced.</p>
Skin and Body:	  <p>Wear appropriate protective gloves and clothing to prevent skin exposure.</p>
Eyes:	

	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Ventilation/Engineering Measures:	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
Hygiene:	Handle in accordance with good industrial hygiene and safety practice.
Other:	This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Beige solid
Formula	$C_{18}H_{26}ClN_3 \cdot 2H_3PO_4$
Molecular Wt.	515.86
Melting Pt.	200°C
Boiling Pt.	No data available
Density:	No data available
Vapor Pressure:	No data available
Evaporation Rate:	No data available
Vapor Density:	No data available
Solubility:	Water
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	Light-sensitive
Hazardous decomposition products:	Carbon monoxide, Carbon dioxide, Nitrogen oxides, Oxides of phosphorous, Hydrogen chloride
Materials to Avoid:	Strong oxidizing agents
Conditions to avoid:	Excess heat. Avoid dust formation. Exposure to light.

SECTION 11: Toxicological Information

RTECS#:	N/A
ACUTE Toxicity:	LD50 Oral = 623 mg/kg (Rat)
CHRONIC Toxicity:	N/A

<p>Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:</p>	<p>IARC: 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.</p> <p>AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA.</p> <p>EPA: No classification on carcinogenic data is available from EPA</p>
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SECTION 12: Ecological Information

Ecotoxicity:	Chloroquine diphosphate: Water Flea EC50 = 49.52 mg/L/24 h
Mobility:	Will likely be mobile in the environment due to its water solubility.
Persistence and degradability:	Soluble in water Persistence is unlikely based on information available.
Bioaccumulative potential:	No data available
Other adverse effects:	No data available
Corrosivity Characteristic:	No data available
General Notes:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.
Contaminated Packaging:	Do not reuse containers.

SECTION 14: Transportation Information

UN ID#:	N/A
ADR / RID (LAND):	Not regulated
DOT regulations:	Not regulated
IMDG/IMO (SEA):	Not regulated
IATA/DGR (AIR):	Not regulated
Special Provisions:	N/A

SECTION 15: Regulatory Information

Health Phrases:	Warning! H302 Harmful if swallowed
Risk Phrases:	P264 Wash face, hands and any exposed skin thoroughly after handling P270 Do not eat, drink or smoke when using this product
Safety Phrases:	P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
EU Regulations:	N/A
US Regulations:	TSCA: Not listed California Proposition 65: No products were found
U.S. Federal Regulations:	SARA 302/304 emergency planning and notification: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found. SARA 313 toxic chemicals notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA: No products were found.
WHMIS (Canada):	DSL: Listed

SECTION 16: Other Information

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