

MATERIAL SAFETY DATA SHEET

IDENTIFICATION

Product Name Chloroquine diphosphate salt

Synonyms N^4 -(7-Chloro-4-quinolinyl)- N^1,N^1 -dimethyl-1,4-pentanediamine diphosphate salt

COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name N^4 -(7-Chloro-4-quinolinyl)- N^1,N^1 -dimethyl-1,4-pentanediamine diphosphate salt

CAS# 50-63-5

EC# 200-055-2

Formula $C_{18}H_{26}ClN_3 \cdot 2H_3PO_4$

HAZARDS IDENTIFICATION

Potential Health Effects

Eye: May cause irritation

Skin: May cause irritation.

Inhalation: May cause irritation. May be harmful if inhaled.

Ingestion: Harmful if swallowed.

FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

Skin: Immediately wash skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical aid. Wash clothing before reuse.

Ingestion: Wash out mouth with water. Do NOT induce vomiting. Get medical aid.

Inhalation: Remove from exposure and move to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Flash Point: N/A

Autoignition Temperature: N/A

Flammability: N/A

ACCIDENTAL RELEASE MEASURES

General Information: Wear splash goggles, respirator, rubber boots, and rubber gloves.

Spills/Leaks: Sweep up, place into a convenient waste disposal bag. Avoid raising dust. Finish cleaning by spreading water on the contaminated surface. Ventilate area after material pickup is complete.

HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin, and clothing. Do not breathe dust. Wash clothing before reuse.

Storage: Keep tightly closed. Keep in a cool, well-ventilated area.

EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Eye wash facility and safety shower required. Use adequate ventilation to keep airborne concentrations low.

Personal Protection Equipment

Eyes: Wear safety glasses

Skin: Wear appropriate protective gloves

Clothing: Wear lab coat

PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Appearance: White powder

Molecular Weight: 515.86 g/mole

pH: N/A

Vapor Pressure: N/A

Vapor Density: N/A
Melting Point: 200°C
Evaporation Rate: N/A
Explosive Properties: N/A
Decomposition Temperature: N/A
Surface Tension: N/A
Flash Point: N/A
Solubility: Water-soluble.

STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended storage conditions
Conditions to Avoid: Sensitive to light
Hazardous Polymerization: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides, Phosphorous oxides, Hydrogen chloride gas

TOXICOLOGICAL INFORMATION

LD50/LC50: Oral LD50 rat 623 mg/kg
Epidemiology: No information available.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Neurotoxicity: No information available.
Mutagenicity: No information available.

ECOLOGICAL INFORMATION

Ecotoxicity: No data available.
Physical: No information available.

DISPOSAL CONSIDERATIONS

Method of Disposal: Waste of Substance or Preparation: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Contact a licensed professional waste disposal service to dispose of waste of substance or preparation. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

TRANSPORT INFORMATION

Non-hazardous for transport, Non-hazardous for air transport.

REGULATORY INFORMATION

OSHA HAZARDS (US): Target Organ Effect, Target Organs: Eyes and heart. Harmful by ingestion.

DSL Status: This product contains the following components that are on the Canadian DSL lists.

SARA 302 Component: None of the ingredients are listed.

SARA 313 Component: None of the ingredients are listed.

SARA 311/312 Hazards: Acute Health Hazard. Chronic Health Hazard.

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Chloroquine bis(phosphate)

CAS-No.

50-63-5

New Jersey Right To Know Components

Chloroquine bis(phosphate)

CAS-No.

50-63-5

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

OTHER INFORMATION

Disclaimer: For R&D use only. Not for drug, household or other uses.

Warranty

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 information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. IMGENEX, shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional

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