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Section 1: Chemical Product and Company Identification

Product Name: Hydroxychloroquine sulfate
Tablets USP 200 mg

Synonyms: --

CAS No.: 747-36-4

Molecular Weight: 434.00

Chemical Formula: $C_{18}H_{26}ClN_3O \cdot H_2SO_4$

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Section 2: Composition/ Information on Ingredients

CAS #	Chemical name	Percent
747-36-4	Hydroxychloroquine sulfate Tablets USP 200 mg	90-100

Section 3: Hazards Identification**Classification of the substance or mixture****Classification according to Regulation (EC) 1272/2008 (CLP/GHS)**

Acute Tox. 4; H302

Skin irrit. 2; H315

Skin Sens. 1B; H317

Eye Irrit. 2A; H319

Resp. Sens. 1B; H334

Classification according to Directive 67/548/EEC

Xn; R22

R36/37/38

R42/43

Label elements**Labelling (CLP/GHS):****Hazard pictograms:**

Signal word : Danger

Hazard Statements:

H302: Harmful if swallowed.

H315: Causes skin irritation.



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H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

Precautionary Statements:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P285: In case of inadequate ventilation wear respiratory protection.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

Supplemental Hazard information (EU): not applicable

Other hazards No information available.

Section 4: First Aid Measures

Description of first aid measures

General information

Remove contaminated clothing immediately and dispose off safely.

Never give anything by mouth to an unconscious person or a person with cramps.

In case of accident or if you feel unwell, seek medical advice immediately (show this label if possible).

In case of inhalation

Move to fresh air.

Artificial respiration and/or oxygen may be necessary.

Consult a physician after significant exposure.

In case of skin contact

Wash off with soap and plenty of water.

Take off contaminated clothing and shoes immediately.

If skin irritation persists, call a physician

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If eye irritation persists, consult a specialist.

In case of ingestion

Rinse mouth immediately and drink large quantities of water.

Immediately call a POISON CENTER or doctor/ physician.

Self-protection of the first aider.

First aid assistant: Pay attention to self-protection!

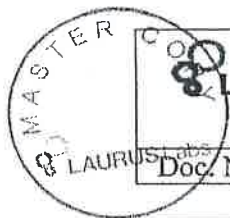
Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed

No information available.

Section 5: Fire and Explosion Data

Extinguishing media



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Suitable extinguishing media:

Water.

Unsuitable extinguishing media: No information available.

Special hazards arising from the substance or mixture

Hazardous combustion products:

No information available.

Advice for firefighters

Wear a self-contained breathing apparatus and chemical resistant suit.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unprotected people away and stay on the upwind side.

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

Provide adequate ventilation.

For emergency responders

Use appropriate personal protective equipment.

Remove all sources of ignition.

Avoid contact with eyes.

Notification procedures: In the event of a spill or accidental release, notify relevant authorities in accordance with applicable regulations.

Environmental precautions

Do not allow to enter into surface water or drains.

Inform the relevant authorities if the product has caused environmental pollution.

Methods and material for containment and cleaning up

For containment

Stop leak if safe to do so.

For cleaning up

Avoid generation of dust.

Wet clean or vacuum up solids.

Collect in closed containers for disposal.

Pick up and transfer to properly labelled containers.

Other information

Dangerous areas must be delimited and marked with appropriate warning and safety signs.

Reference to other sections

See detailed information on SECTION 8/SECTION 13.

Section 7: Handling and Storage

Precautions for safe handling

Dust explosion category: St 1

Protective measures

Description of first aid measures

Avoid exposure- obtain special instructions before use.

Supervision of automation process by workers.

Measures to prevent fire:



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Take precautionary measures against static discharges.

Ensure the grounding of containers, apparatus, pumps and suction equipment.

Keep away from heat sources (e.g. hot surfaces), sparks and open flames.

Measures to prevent aerosol and dust generation:

Provide adequate ventilation as well as local exhaust at critical locations.

Transfer and handle product only in closed systems.

Measures required to protect the environment:

Use isolated drainage to prevent discharge to soil.

Wet scrubber for elimination of volatile components from waste gases.

Use the following chemical treatment methods for waste water: Incineration.

Use the following recovery and/or abatement technique for cleaning waste gases: Exhaust air scrubber.

Advice on general occupational hygiene

Preventive industrial medical examinations are to be carried out.

Wash thoroughly after handling.

Regular changing of working clothes.

Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Store at 20°C – 25°C (68°F – 77°F), excursions permitted to between 15°C – 30°C (59°F – 86°F).

Packaging materials:

Keep/Store only in original container.

Requirements for storage rooms and vessels: No information available.

Further information on storage conditions: No information available.

Specific end use(s) not applicable

Section 8: Exposure Controls/ Personal Protection

In the immediate working surroundings there must be:

-provide eye wash and label its location conspicuously.

-emergency shower installed.

Control parameters

No information available.

Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

Personal protection equipment

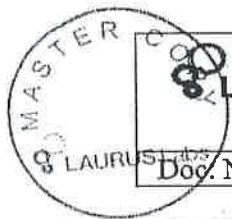
Protective equipments should be selected specifically for the working place.

Eye/face protection

Suitable eye protection: Eye glasses with side protection. Face protection shield. (DIN EN 166)

Skin protection

Wear suitable protective clothing depending on activity and possible exposure: apron, protecting boots, chemical-protection suit or air fed suit with exhaust valve. Wash contaminated clothing before reuse. Use protective gloves complying with EC directive 89/686/EEC and the resultant standard EN374/EN388. The glove material has to be impermeable and resistant to the substance. Suitable gloves type: PVC (Polyvinyl chloride).



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Butyl rubber. NBR (Nitrile rubber).

Respiratory protection

In case of inadequate ventilation wear respiratory protection. A NIOSH/MSHA-approved or CE-marked respiratory protection equipment with assigned protection factor above 20 should be used.

Thermal hazards No information available.

Environmental exposure controls See SECTION 7.

Section 9: Physical and Chemical Properties

Appearance	: crystalline, powder white
Odour	: very faint
PH	: 3.5-5.5
Melting point/freezing point	: 242°C
Flash point	: not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: No information available.
Solubility(ies)	: Soluble in: <i>water, 20°C, soluble</i>
Partition coefficient: n-octanol/water: log Pow:	-4.3
Auto-ignition temperature	: 450°C
Explosive properties	: No data available
Other information	No information available.

Section 10: Stability and Reactivity Data

Reactivity

No information available.

Chemical stability

Stable under ambient temperatures and pressures.

Possibility of hazardous reactions

Strong bases.

Strong oxidizing agents.

Conditions to avoid

Incompatible materials

Hazardous decomposition products

No data available

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

Acute oral toxicity:

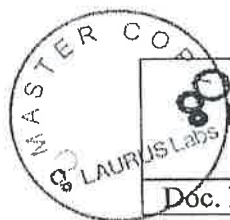
Mouse LD50: 1240mg/kg

Skin corrosion/irritation

No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitisation No information available.



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Germ cell mutagenicity

No information available.

Carcinogenicity No information available.**Reproductive toxicity** No information available.**STOT-single exposure** No information available.**STOT-repeated exposure** No information available.**Aspiration hazard** No information available.**Other information** No information available.**Section 12: Ecological Information****Toxicity**

No information available.

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Results of PBT and vPvB assessment

No data available

Other adverse effects

No data available

Section 13: Disposal Considerations

Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

Waste treatment methods**Product / Packaging disposal**

Send to a hazardous waste incinerator facility under observation of official regulations.

Waste treatment-relevant information**Sewage disposal-relevant information** not applicable**Other disposal recommendations**

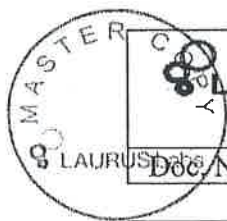
No information available.

Additional information No information available.**Section 14: Transport Information**

Not dangerous goods for transport.

Transport in bulk NOT restricted according to IATA & IMDG DGR regulation

UN number Not dangerous goods.**UN proper shipping name** Not dangerous goods.**Transport hazard class(es)** Not dangerous goods.**Packaging Group** Not dangerous goods.**Environmental hazards** Not dangerous goods.**Special precautions for user** For personal protection see section 8.**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** No data



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Available

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

No information available.

Chemical safety assessment
not applicable

Section 16: Other Information

Disclaimer:

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

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