

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

74212 74214 - Hydroxychloroquine (Sulfate)

Revision Date 04-Jul-2024 Revision Number 1.1

# Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Document Number DX23186

Product Name Hydroxychloroquine (Sulfate)

Synonym HCQ: NSC 4375

Pure substance/mixture Substance

Contains 2-({ 4-[(7-chloroquinolin-4-yl)amino]pentyl} (ethyl)amino)ethan-1-ol; sulfuric acid

Molecular weight 434.0

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Laboratory chemicals

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

STEMCELL Technologies SARL

40 Rue des Berges, Miniparc Polytec, Bâtiment Sirocco, 38000 Grenoble, France

+33 (0) 4 76 04 75 30

STEMCELL Technologies Germany GmbH

Stolberger Str. 200, 50933, Köln, Germany

+33 (0) 4 76 04 75 30

STEMCELL Technologies UK Ltd.

Building 7100, Cambridge Research Park, Beach Drive, Waterbeach, Cambridge, UK, CB25 9TL

+33 (0) 4 76 04 75 30

For further information, please contact

1.4. Emergency telephone number

Emergency Telephone No information available

Emergency Telephone - §45 - (EC)1272/2008

Europe 112

## Section 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture



This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 04-Jul-2024 Revision Number 1.1

## 74212 74214 - Hydroxychloroquine (Sulfate)

Regulation (EC) No 1272/2008

Acute toxicity - Oral	Category 4 - (H302)
Serious eye damage/eye irritation	Category 2 - (H319)

#### 2.2. Label elements

212-019-3

Contains 2-({ 4-[(7-chloroquinolin-4-yl)amino]pentyl} (ethyl)amino)ethan-1-ol; sulfuric acid



Signal word Warning

#### **Hazard statements**

**Hazard statements** 

H302 - Harmful if swallowed

H319 - Causes serious eye irritation

H303 - May be harmful if swallowed

#### **Additional information**

This product requires tactile warnings if supplied to the general public

#### 2.3. Other hazards

No information available

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Synonym

Chemical name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
2-({ 4-[(7-chloroquinolin-4-yl)amino]pentyl } (ethyl)amino)ethan-1-ol; sulfuric acid	212-019-3	747-36-4	100	Acute Tox. 4 (H302) Eye Irrit. 2A (H319)	No data available

Full text of H- and EUH-phrases: see section 16



This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 04-Jul-2024 Revision Number 1.1

74212 74214 - Hydroxychloroquine (Sulfate)

## Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

**General advice** Show this safety data sheet to the doctor in attendance.

**Inhalation** Remove to fresh air.

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

Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and

persists.

**Skin contact** Wash skin with soap and water. In the case of skin irritation or allergic reactions see a

physician.

**Ingestion** Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth

to an unconscious person. Do NOT induce vomiting. Call a physician.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

4.2. Most important symptoms and effects, both acute and delayed

**Symptoms** Burning sensation.

4.3. Indication of any immediate medical attention and special treatment needed

## Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

surrounding environment.

**Unsuitable Extinguishing Media** No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

No information available.

5.3. Advice for firefighters

Special protective equipment for

fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

Page 3/12



This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

74212 74214 - Hydroxychloroquine (Sulfate)

Revision Date 04-Jul-2024 Revision Number 1.1

## **Section 6: ACCIDENTAL RELEASE MEASURES**

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

#### **Section 7: HANDLING AND STORAGE**

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing. Do not eat, drink or smoke when using this product.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do

not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep out of the reach of children. Store in accordance with information listed on the Product

Information Sheet (PIS).

7.3. Specific end use(s)

**Identified Uses** 

Risk Management Methods (RMM) The information required is contained in this Material Safety Data Sheet.



This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

74212 74214 - Hydroxychloroquine (Sulfate)

Revision Date 04-Jul-2024 Revision Number 1.1

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration

(PNEC)

No information available.

8.2. Exposure controls

Personal protective equipment

**Eye/face protection** If splashes are likely to occur, wear safety glasses with side-shields.

Hand protection Wear suitable gloves.

**Skin and body protection**Wear suitable protective clothing.

exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do

not eat, drink or smoke when using this product.

**Environmental exposure controls** No information available.

## **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

Physical state Solid Appearance Crystalline

Color No information available
Odor No data available.



This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 04-Jul-2024 Revision Number 1.1

## 74212 74214 - Hydroxychloroquine (Sulfate)

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Odor threshold No data available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pHNo data availableNone knownMelting point / freezing pointNo data availableNone knownBoiling point / boiling rangeNo data availableNone knownFlash pointNo data availableNone knownEvaporation rateNo data availableNone known

**Flammability (solid, gas)** Product is not flammable.

Flammability Limit in Air

None known

Upper flammability limit:

Lower flammability limit:

No data available

No data available

Vapor pressureNo data availableNone knownVapor densityNo data availableNone knownRelative densityNo data availableNone known

Water solubility Soluble.

Solubility(ies) PBS (pH 7.2): 5 mg/mL

No data available **Partition coefficient** None known No data available **Autoignition temperature** None known No data available **Decomposition temperature** None known Kinematic viscosity No data available None known **Dynamic viscosity** No data available None known **Explosive properties** Product does not present an explosion hazard.

Oxidizing properties No information available

9.2. Other information

Softening point No information available

Molecular weight 434.0

Molecular formula C18H26CIN3O • H2SO4

**VOC Content (%)** 0.00 %

**Liquid Density Bulk density**No information available
No information available

## Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

**Reactivity** No information available.

10.2. Chemical stability

Stability Stable under recommended transport or storage conditions.

**Explosion data** 

Sensitivity to Mechanical Impact None.

Page 6/12



This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 04-Jul-2024 Revision Number 1.1

## 74212 74214 - Hydroxychloroquine (Sulfate)

Sensitivity to Static Discharge None. 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions 
None under normal processing.

10.4. Conditions to avoid

**Conditions to avoid**None known based on information supplied.

10.5. Incompatible materials

**Incompatible materials** Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon dioxide (CO2). Carbon monoxide. Hydrogen chloride gas. Nitrogen oxides (NOx).

Sulfur oxides.

## Section 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

#### Information on likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation.

(based on components). May cause redness, itching, and pain.

**Skin contact** Specific test data for the substance or mixture is not available. May cause irritation.

Prolonged contact may cause redness and irritation.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Specific test

data for the substance or mixture is not available. Harmful if swallowed. (based on

components).

Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** May cause redness and tearing of the eyes.

Numerical measures of toxicity



This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 04-Jul-2024 Revision Number 1.1

## 74212 74214 - Hydroxychloroquine (Sulfate)

#### **Acute toxicity**

#### The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 500.00 mg/kg

**Unknown acute toxicity** 100 % of the mixture consists of ingredient(s) of unknown toxicity.

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

100 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

#### Product Information

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	May cause skin irritation.				
Product Information					
Serious eye damage/eye irritation Product Information	Classification based on data available for ingredients. Irritating to eyes.				
Respiratory or skin sensitization Product Information	No information available.				
Germ cell mutagenicity Product Information	No information available.				
Carcinogenicity Product Information	No information available.				
Reproductive toxicity	No information available.				
Product Information					
STOT - single exposure	No information available.				
Product Information					
STOT - repeated exposure Product Information	No information available.				
Aspiration hazard	No information available.				

## **Section 12: ECOLOGICAL INFORMATION**



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Revision Date 04-Jul-2024

Revision Number 1.1

74212 74214 - Hydroxychloroquine (Sulfate)

12.1. Toxicity

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

**Unknown aquatic toxicity**Contains 0 % of components with unknown hazards to the aquatic environment.

**Product Information** 

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

**Bioaccumulation** No information available.

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

12.6. Other adverse effects

Other adverse effects No information available.

## **Section 13: DISPOSAL CONSIDERATIONS**

13.1. Waste treatment methods

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

## **Section 14: TRANSPORT INFORMATION**

**IMDG** 

14.1 UN NumberNot regulated14.2 UN proper shipping nameNot regulated

Page 9/12



This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 04-Jul-2024 Revision Number 1.1

## 74212 74214 - Hydroxychloroquine (Sulfate)

14.3 Transport hazard class(es)Not regulated14.4 Packing GroupNot regulated14.5 Marine pollutantNot applicable

14.6 Special Provisions None

14.7. Transport in bulk according to No information available

Annex II of MARPOL and the IBC

Code

RID

14.1UN NumberNot regulated14.2UN proper shipping nameNot regulated14.3Transport hazard class(es)Not regulated14.4Packing GroupNot regulated14.5Environmental hazardNot applicable

14.6 Special Provisions None

ADR

14.1 UN NumberNot regulated14.2 UN proper shipping nameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing GroupNot regulated14.5 Environmental hazardNot applicable

14.6 Special Provisions None

IATANot regulated14.1 UN NumberNot regulated14.2 UN proper shipping nameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing GroupNot regulated14.5 Environmental hazardNot applicable14.6 Special ProvisionsNone

## **Section 15: REGULATORY INFORMATION**

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

#### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Page 10/12



This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

74212 74214 - Hydroxychloroquine (Sulfate)

Revision Date 04-Jul-2024 Revision Number 1.1

**Persistent Organic Pollutants** 

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

**International Inventories** 

TSCA Does not comply
DSL/NDSL Complies
EINECS/ELINCS Complies
ENCS Does not comply
IECSC Does not comply
NECL Does not comply

PICCS Does not comply AICS Does not comply

Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report No information available

#### **Section 16: OTHER INFORMATION**

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed

H319 - Causes serious eye irritation

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value \* Skin designation

Page 11/12



This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 04-Jul-2024 Revision Number 1.1

74212 74214 - Hydroxychloroquine (Sulfate)

Revision Date 04-Jul-2024

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

#### **Disclaimer**

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