



Date of issue:	12.07.2022
Revision date:	15.04.2025
Version:	2
Replaces version:	1

			110	
SECTION 1: Id	entification of the subs	stance/mixtu	re and of the company/un	dertaking
	identifier			
Product form		: Substance		
Substance name			e Hydrobromide	
Chemical name			-dihydro-6'-methoxycinchonan-9-o	l monohydrobromide
IUPAC name				-yl] (6-methoxyquinolin-4-yl)methanol
		hydrobromide		yij (o mouloxyquiloini + yijinoululoi
EC No		: 285-797-5		
CAS No		: 85153-19-1		
Formula		: C20H26N2O2		
	identified uses of the subst	ance or mixture	and uses advised against	
	identified uses			
Main use category			. Professional use.	
Jse of the substand	ce/mixture	: Laboratory ch	emicals; Pharmaceuticals; Interme	diate
I.2.2. Uses adv	vised against			
No additional inform	nation available			
1.3. Details o	f the supplier of the safety o	lata sheet		
	ig - Germany www.buchler-gmbh.com - info			
-	DLAC Dienstleistungsagentur	Chemie GmbH, I	z-Mail: <u>sds@dlac-gmbh.de</u>	
1.4. Emerger	icy telephone number			
Country	Organisation/Company		Address	Emergency number
Germany	BUCHLER GmbH		Harxbütteler Str. 3	+49 1791437208
	(A member of the FAGUS C	Group)	38110 Braunschweig, Germany	(German/English) (Mo-Fr 8:00-16:00)
2.1. Classific Classification acc	azards identification ation of the substance or m ording to Regulation (EC) No , Category 4 H302		.P]	
	, Category 1A H317			
	hemical, human health and		effects	
Harmful if swallowe	d. May cause an allergic skin	reaction.		
2.2. Label ele	ements			
Labelling accordin	ng to Regulation (EC) No. 12	72/2008 [CLP]		
Hazard pictograms	(CLP)			
Signal word (CLP)		GHS07 : Warning		
Hazard statements	(CLP)	: H302 - Harmf	ul if swallowed	
ומבמות סומוכוווכוווט			ause an allergic skin reaction	
Precautionary state	ments (CLP)	P280 - Wear P301+P312 - P302+P352 -	t eat, drink or smoke when using th protective gloves, protective clothin	g, eye protection CENTER, doctor if you feel unwell. oap and water





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### 2.3. Other hazards

Contains no substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

<b>SECTION 3: Composition/info</b>	rmation on ingredients		
3.1. Substances			
Substance name	: Dihydroquinine Hydrob	romide	
EC No	: 285-797-5		
CAS No	: 85153-19-1		
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Dihydroquinine Hydrobromide	(CAS No) 85153-19-1 (EC No) 285-797-5	≥ 99.0	Acute Tox. 4 (Oral), H302 Skin Sens. 1A, H317
Full text of H-statements: see section 16			
3.2. Mixtures			
Not applicable			
SECTION 4: First aid measure	S		
4.1. Description of first aid meas	sures		
First-aid measures general	show him the packagir		f possible show him this sheet. Failing this, ything by mouth to an unconscious person. on.
First-aid measures after inhalation	: Remove victim to fresh	air and keep at rest in a	position comfortable for breathing.
First-aid measures after skin contact			and wash it before reuse. Wash with plenty of Get medical advice/attention.
First-aid measures after eye contact		: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
First-aid measures after ingestion	: Rinse mouth. Drink ple	nty of water as a precaut	ion. Get medical advice/attention.
4.2. Most important symptoms a	nd effects, both acute and delaye	ed	
Symptoms/injuries		tinal disorders (e.g. naus	adache, tinnitus, visual disturbances, ea, vomiting, diarrhoea), exanthema and
Symptoms/injuries after skin contact : May cause an allergic skin reaction.			
Symptoms/injuries after ingestion	: Harmful if swallowed.		
4.3. Indication of any immediate	medical attention and special tre	atment needed	
Treat symptomatically.			
SECTION 5: Firefighting meas	ures		
5.1. Extinguishing media			
Suitable extinguishing media	: Adapt extinguishing ag extinguishing powder.	ents to the environment.	Water spray. Foam. Carbon dioxide. Dry
Unsuitable extinguishing media	: Do not use a heavy wa	ter stream.	
5.2. Special hazards arising from	n the substance or mixture		
Hazardous decomposition products in ca fire		O <sub>2</sub> ). Nitrogen oxides.	
5.3. Advice for firefighters			
Firefighting instructions	: Use water spray or fog environment.	for cooling exposed cont	ainers. Prevent fire-fighting water from enterin
Protection during firefighting	: Use a self-contained b	reathing apparatus and a	lso a protective suit (EN 469).
SECTION 6: Accidental releas	e measures		
	ctive equipment and emergency	procedures	
General measures			tilation. Avoid contact with skin and eyes. Do

# Safety Data Sheet according to Regulation (EU) 2020/878



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# **Dihydroquinine Hydrobromide**

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6.1.1. For non-emergency persor	nnel		
Emergency procedures	: Only qualified personnel equippe	d with suitable protective equipment r	may intervene.
6.1.2. For emergency responders	;		
Protective equipment		ent as required. Wear suitable respirat r information refer to section 8. "Expos	
6.2. Environmental precautions	3		
Prevent entry to sewers and public wat	ers. Notify authorities if substance enters sewe	ers or public waters.	
6.3. Methods and material for c	ontainment and cleaning up		
Methods for cleaning up		, shovelling) and collect in suitable co cose of in accordance with relevant lo	
6.4. Reference to other section	S		
Concerning personal protective equipm	nent to use, see section 8. Concerning disposa	l elimination after cleaning, see section	n 13.
SECTION 7: Handling and sto	orage		
7.1. Precautions for safe handl	ing		
Precautions for safe handling	: Provide local exhaust or general Avoid contact with skin and eyes	room ventilation. Avoid dust formatior . Do not breathe vapour/aerosol.	n. Do not breathe dust.
Hygiene measures		industrial hygiene and safety procedu and other exposed areas with mild so when leaving work.	
7.2. Conditions for safe storage	e, including any incompatibilities		
Storage conditions	: Store in original container. Store sunlight. Protect from moisture.	tightly closed in a dry and cool place.	Keep out of direct
Storage temperature	: This substance dose not require	any special temperature storage conc	litions.
Prohibitions on mixed storage	: Keep away from food, drink and	animal feedingstuffs.	
7.3. Specific end use(s)			
No additional information available			

SECTIO	ON 8: Exposure controls/personal protection
8.1.	Control parameters
No additi	onal information available
8.2.	Exposure controls

#### Appropriate engineering controls:

Use adequate ventilation. Avoid dust formation.

### Hand protection:

Wear suitable gloves (EN 374). Latex. Nitrile rubber. Butyl rubber. 0.4 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

### Eye protection:

Chemical goggles or safety glasses (EN 166).

### Skin and body protection:

Wear suitable protective clothing (EN 344).

#### **Respiratory protection:**

Where exposure through inhalation may occur from use, respiratory protection is recommended. Dust production: dust mask with filter type P2.

#### Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties		
9.1.	Information on basic physical and cl	hemical properties
Physical	state	: Solid, Powder
Colour		: White

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Odour	: Odourless
Melting point/freezing point	: 125 - 129 °C
Boiling point or initial boiling point and boiling range	: No data available
Flammability	: No data available
Lower and upper explosion limit	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
рН	: 5.7 – 7.0
Kinematic viscosity	: Not applicable
Solubility	: Water: 37 g/l
Partition coefficient n-octanol/water (log value)	: No data available
Vapour pressure	: No data available
Density and/or relative density	: No data available
Relative vapour density	: No data available
Particle characteristics	: No data available
9.2. Other information	
9.2.1. Information with regard to physical haz	ard classes
Explosive properties	: The substance is not explosive. Dust can form an explosive mixture with air.
Oxidising properties	: The substance has no oxidising properties.
9.2.2. Other safety characteristics	
Molecular mass	: 443.3 g/mol
Bulk density	: 380 kg/m <sup>3</sup>
	-
SECTION 10: Stability and reactivity	
10.1. Reactivity	
No dangerous reactions known under normal co	nditions of use.
10.2. Chemical stability	
Stable under use and storage conditions as reco	mmended in section 7 for a minimum of 5 years.
10.3. Possibility of hazardous reactions	
None under normal use.	
10.4. Conditions to avoid	
Direct sunlight. High temperature. The degradati	an una durat avrintation in forma a d
	on product quinicine is formed.
10.5. Incompatible materials	on product quinicine is formed.
10.5.Incompatible materialsOxidizing agents.	on product quinicine is formed.
Oxidizing agents.	
Oxidizing agents. 10.6. Hazardous decomposition products	e. Nitrogen oxides.
Oxidizing agents. <b>10.6.</b> Hazardous decomposition products In case of fire: Carbon monoxide. Carbon dioxide SECTION 11: Toxicological informat	e. Nitrogen oxides.
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### Dihydroquinine Hydrobromide

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Germ cell mutagenicity	: Not classified		
	Based on available data, the class	sification criteria are not met	
Carcinogenicity	: Not classified		
5	Based on available data, the class	sification criteria are not met	
Reproductive toxicity	: Not classified		
	Based on available data, the class	sification criteria are not met	
Specific target organ toxicity (single exposure)	: Not classified		
	Based on available data, the class	sification criteria are not met	
Specific target organ toxicity (repeated	: Not classified		
exposure)	Based on available data, the class	sification criteria are not met	
Aspiration hazard	: Not classified		
	Based on available data, the class	sification criteria are not met	
11.2. Information on other hazards			
11.2.1. Endocrine disrupting properties			
Endocrine disruption for human health	: The substance has no endocrine of	disrupting properties.	
·			
11.2.2. Other information		ee	
Potential adverse human health effects and symptoms		ffects (e.g. headache, tinnitus, visua ers (e.g. nausea, vomiting, diarrhoea	
5) in province	haematological disorders.	tio (e.g. nadoba, vornang, alarnood	
SECTION 12: Ecological information			
12.1. Toxicity	•		
Acute aquatic toxicity	: Not classified		
Chronic aquatic toxicity	: Not classified		
12.2. Persistence and degradability			
Dihydroquinine Hydrobromide (85153-19-1)			
Persistence and degradability	Readily biodegradable.		
Biodegradation	86.3 % 28 d (OECD 301 B, Quinin	e)	
12.3. Bioaccumulative potential			
No additional information available			
12.4. Mobility in soil			
No additional information available			
12.5. Results of PBT and vPvB assessme	ent		
This substance does not meet the PBT- or vPvE	3 criteria of REACH regulation, annex X	KIII.	
12.6. Endocrine disrupting properties			
Endocrine disruption for the environment	: The substance has no endocrine of	disrupting properties.	
12.7. Other adverse effects			
No additional information available			
SECTION 13: Disposal consideratio	ns		
13.1. Waste treatment methods			
Regional legislation (waste)	: Dispose in a safe manner in accor	dance with local/national regulations	δ.
Waste treatment methods	•	st be disposed of as hazardous was	
Waste disposal recommendations		prior to disposal. When totally empty,	containers are

: 07 00 00 - WASTES FROM ORGANIC CHEMICAL PROCESSES

07 01 00 - wastes from the manufacture, formulation, supply and use (MFSU) of basic organic

The waste code number according to the Ordinance on the European Waste Catalogue (AVV)

European List of Waste (LoW) code

Waste code

depends on the waste producer and can therefore vary for any given product. The waste code number is therefore to be gleaned separately from each waste producer. **SECTION 14: Transport information** 

In accordance with ADR / IMDG / IATA

chemicals

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14.1. UN number or ID number	
UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: Not applicable
Transport hazard class(es) (IMDG)	: Not applicable
ΙΑΤΑ	
Transport hazard class(es) (IATA)	: Not applicable
14.4. Packing group	: Not applicable
Packing group (ADR) Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available
14.6. Special precautions for user	
- Overland transport	
Not applicable	
- Transport by sea	
Not applicable	
- Air transport	
Not applicable	
14.7. Maritime transport in bulk accord	ding to IMO instruments
Not applicable	
SECTION 15: Regulatory informat	ion
	I regulations/legislation specific for the substance or mixture
15.1.1. EU-Regulations	
REACH Annex XIV (Authorisation List)	
Contains no substance(s) listed on REACH A	annex XIV (Authorisation List)
REACH Candidate List (SVHC)	
Contains no substance(s) listed on the REAC	H Candidate List.
PIC Regulation (Prior Informed Consent)	
Contains no substance(s) listed on the PIC list	st (Regulation EU 649/2012 concerning the export and import of hazardous chemicals).
POP Regulation (Persistent Organic Pollu	tants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants).



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### Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer).

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors).

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances).

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment was not carried out.

<b>SECTION 16: Other inf</b>	formation
Data source	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
Changes compared to earlier	Versions : Section 1.4 Section 2.3 Section 11.2 Section 12.6 Section 15.1.1
Abbreviations and acronyms:	
ADR Euro	opean Agreement concerning the International Carriage of Dangerous Goods by Road

Appreviations an	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration factor
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
NOEC	No-Observed Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative

# Full text of H- and EUH-statements:

ute Tox. 4 (Oral)	
tin Sens. 1A	
302	
317	
xin Sens. 1A 3	

#### SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.