N-Benzyl-6´-Aminocinchonidinium Chloride



Date of issue:	28.09.2022
Revision date:	15.04.2025
Version:	2
Replaces version:	1

			Rep	blaces version: 1
SECTION 1: Ic	lentification of the subs	tance/mixtu	re and of the company/und	ertaking
	identifier			······································
Product form		: Substance		
Substance name		: N-Benzvl-6'-A	Aminocinchonidinium Chloride	
UPAC name		,		olin-4-yl)methyl)-5-vinylquinuclidin-1-ium
EC no		· _		
CAS No		· _		
Formula		: C26H30CIN3	0	
Synonyms		: Cinchonaniur 9-hydroxy-6`-	n, 6′-amino-9-hydroxy-1-(phenylmetł amino-1-(phenylmethyl)-,chloride, (8	nyl)-, chloride (1:1), (8α,9R)-; Cinchonaniun α,9R); (8alpha,9R)-1-Benzyl-9-hydroxy-6'-
1.0 Delever			nan-1-ium chloride; (8S,9R)-N-Benzy	/I-6 -aminocinchonidinium chloride
	t identified uses of the subst	ance or mixture	and uses advised against	
	t identified uses	· Inductrial ·····	Professional use	
Main use category			. Professional use.	
Use of the substar		: Phase transfe	er catalyst	
	vised against			
No additional infor 1.3. Details	mation available of the supplier of the safety d	-4		
Safety data sheet:	www.buchler-gmbh.com - info DLAC Dienstleistungsagentur (ncy telephone number			
Country	Organisation/Company		Address	Emergency number
Germany	BUCHLER GmbH (A member of the FAGUS G	iroup)	Harxbütteler Str. 3 38110 Braunschweig, Germany	+49 1791437208 (German/English) (Mo-Fr 8:00-16:00)
SECTION 2: H	azards identification	.,		
2.1. Classifi	cation of the substance or mi	xture		
Classification acc	cording to Regulation (EC) No	. 1272/2008 [CI	_P]	
Acute toxicity (oral			H302	
Skin corrosion/irrit	ation, Category 2		H315	
Sensitisation - Skir			H317	
	ge/eye irritation, Category 2		H319	
	an toxicity - Single exposure, C	ategory 3, Respi	ratory tract irritation H335	
Adverse physico	chemical, human health and o			rritation May cause reeniratory irritation
Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation.				
2.2. Label el				
Labelling accordi Hazard pictograms	ng to Regulation (EC) No. 12 (CLP)	72/2008 [CLP]		

Signal word (CLP) Hazard statements (CLP)

- : Warning
 - : H302 Harmful if swallowed

GHS07

- H315 Causes skin irritation
- H317 May cause an allergic skin reaction H319 Causes serious eye irritation
- H335 May cause respiratory irritation

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Precautionary statements (CLP)	 P261 - Avoid breathing dust P280 - Wear protective gloves, protect P312 - Call a POISON CENTER, docto P333+P313 - If skin irritation or rash or P337+P313 - If eye irritation persists: C P403+P233 - Store in a well-ventilated 	or if you feel unwell ccurs: Get medical advice/attent Get medical advice/attention	

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.

SECTION 3: Composition/information on ingredients			
3.1. Substances			
Substance name : N-Benzyl-6'-Aminocinchonidinium Chloride			
EC No	: -		
CAS No	: -		
Name	Due doubt i doubt film	•	
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]

Full text of H-statements: see section 16

3.2. Mixtures	
Not applicable	
SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Get medical advice/attention if you feel unwell. If possible show him this sheet. Failing this, show him the packaging or label. Never give anything by mouth to an unconscious person. Place the affected person in the recovery position.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of soap and water. If skin irritation or rash occurs: 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. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Drink water as a precaution. Call a POISON CENTER or doctor/physician if you feel unwell.
4.2. Most important symptoms and effect	cts, both acute and delayed
Symptoms/injuries	Signs of cinchonism: Neurotoxic effects (e.g. headache, tinnitus, visual disturbances, confusion), gastrointestinal disorders (e.g. nausea, vomiting, diarrhoea), exanthema and haematological disorders.
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Harmful if swallowed.
4.3. Indication of any immediate medica	I attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Adapt extinguishing agent to suit the environment. Water spray. Foam. Carbon dioxide. Dry extinguishing powder.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the su	bstance or mixture
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO ₂). Nitrogen oxides.

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5.3.	Advice for firefighters			
Firefigh	ting instructions	: Use water spray or fog for cooling exposed environment.	d containers. Prevent fire-figh	ting water from entering
Protecti	on during firefighting	: Use a self-contained breathing apparatus a	and also a protective suit (EN	1 469).
SECT	ION 6: Accidental release meas	sures		
6.1.	Personal precautions, protective eq	uipment and emergency procedures		
Genera	measures	: Stop leak if safe to do so. Provide adequat not breathe dust.	e ventilation. Avoid contact v	vith skin and eyes. Do
6.1.1.	For non-emergency personnel			
Emerge	ncy procedures	: Only qualified personnel equipped with sui	table protective equipment m	nay intervene.
6.1.2.	For emergency responders			
Protecti	ve equipment	: Use personal protective equipment as required insufficient ventilation.	uired. Wear suitable respirato	ory equipment in case of
6.2.	Environmental precautions			
Prevent	entry to sewers and public waters. Notif	y authorities if the substance enters sewers or	public waters.	
6.3.	Methods and material for containme	ent and cleaning up		
Method	s for cleaning up	: Take up mechanically (sweeping, shovellir Minimize generation of dust. Dispose of in		
6.4.	Reference to other sections			
Concer	ning personal protective equipment to us	e, see section 8. Concerning disposal eliminati	on after cleaning, see section	n 13.
SECT	ION 7: Handling and storage			
7.1.	Precautions for safe handling			
Precaut	ions for safe handling	: Provide local exhaust or general room ven and eyes. Keep container closed when not		. Avoid contact with skin
Hygiene	e measures	: Handle in accordance with good industrial eat, drink or smoke. Wash hands and othe eating, drinking or smoking and when leav before reuse.	r exposed areas with mild so	ap and water before
7.2.	Conditions for safe storage, includi	ng any incompatibilities		
Storage	conditions	: Store in original container. Store tightly clo sunlight. Protect from moisture.	sed in a dry and cool place.	Keep out of direct
Prohibit	ions on mixed storage	: Keep away from food, drink and animal fee	edingstuffs.	
7.3.	Specific end use(s)			
No add	tional information available			
SECT	ION 8: Exposure controls/pers	onal protection		
8.1.	Control parameters			
No add	tional information available			
8.2.	Exposure controls			
Approp	riate engineering controls:			
Use adequate ventilation. Avoid dust formation.				
Hand protection:				
Wear suitable gloves (EN 374). Nitrile rubber. Butyl rubber. 0.4 mm. The exact break trough 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:

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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 o	chemical properties	
Physical state	: Solid, powder	
Colour	: White - beige	
Odour	: Odourless	
Melting point/freezing point	: No data available	
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	: No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
рН	: No data available	
Kinematic viscosity	: Not applicable	
Solubility	: No data available	
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.	
Oxidising properties	: The substance has no oxidising properties.	
9.2.2. Other safety characteristics		
Molecular mass	: 436 g/mol	
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	ommended in section 7.	
10.3. Possibility of hazardous reactions		
None under normal use.		
10.4. Conditions to avoid		
Direct sunlight. High temperature.		
10.5. Incompatible materials		
Oxidizing agents.		
10.6. Hazardous decomposition products		
In case of fire: Carbon monoxide. Carbon dioxide. Nitrogen oxides.		
SECTION 11: Toxicological information		
11.1. Information on hazard classes as d	efined in Regulation (EC) No 1272/2008	
Acute toxicity	: Oral: Harmful if swallowed.	
N-Benzyl-6'-Aminocinchonidinium Chloride	(-)	
LD50 oral	504.54 mg/kg (QSAR via T.E.S.T.)	

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Acuto toxicity	: Oral: Harmful if swallowed.
Acute toxicity Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Certificen mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Carenogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (single exposure)	: Not classified
exposure)	Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Aspiraton nazaru	Based on available data, the classification criteria are not met
	Dased of available data, the classification chiena 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 disrupting properties.
11.2.2. Other information	
Potential adverse human health effects and	: Signs of cinchonism: Neurotoxic effects (e.g. headache, tinnitus, visual disturbances,
symptoms	confusion), gastrointestinal disorders (e.g. nausea, vomiting, diarrhoea), exanthema and
	haematological disorders.
SECTION 12: Ecological information	
12.1. Toxicity	·
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
12.2. Persistence and degradability	
No additional information available	
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	
12.6. Endocrine disrupting properties	· · · · · · · · · · · · · · · · · · ·
Endocrine disruption for the environment	: The substance has no endocrine disrupting properties.
12.7. Other adverse effects	· · · · · · · · · · · · · · · · · · ·
No additional information available	
SECTION 13: Disposal consideratio	ne
	115
13.1. Waste treatment methods Regional legislation (waste) Image: Comparison of the second	: Dispose in a safe manner in accordance with local/national regulations.
e e ()	
Waste treatment methods	: This material and its container must be disposed of as hazardous waste. Do not dispose of with domestic waste. Do not empty into drains.
Waste disposal recommendations	: Empty the packaging completely prior to disposal. When totally empty, containers are recyclable like any other packing.
European List of Waste (LoW) code	 07 00 00 - WASTES FROM ORGANIC CHEMICAL PROCESSES 07 01 00 - wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
Waste code	: The waste code number according to the Ordinance on the European Waste Catalogue (AVV) 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.
	number is ineretore to be gleaned separately from each waste producer.

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SECTION 14: Transport information			
In accordance with ADR / IMDG / IATA			
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		
IMDG			
Transport hazard class(es) (IMDG)	: Not applicable		
Transport hazard class(es) (IATA)	: Not applicable		
14.4. Packing group			
Packing group (ADR)	: Not applicable		
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 accordin	g to IMO instruments		
Not applicable			
SECTION 15: Regulatory information			
15.1. Safety, health and environmental re			
15.1.1. EU-Regulations			
REACH Annex XIV (Authorisation List)			
ζ, , , , , , , , , , , , , , , , , , ,	x XIV (Authorisation List)		
Contains no substance(s) listed on REACH Anr	ICA AIV (AULIUIISALIULI LISI).		
REACH Candidate List (SVHC)			
Contains no substance(s) listed on the REACH Candidate List.			
PIC Regulation (Prior Informed Consent)			
	Population ELL 640/2012 concerning the expert and import of hereidaus chemicale)		
Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals).			

POP Regulation (Persistent Organic Pollutants)

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.

SECTION 16: Othe	er information	
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 e	arlier Versions	: Section 1.1 + 1.4 Section 2.3 Section 11.2 Section 12.6 Section 15.1.1
Abbreviations and acron	iyms:	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	

ADIX	European Agreement concerning the international carnage of Dangerous Goods by Road
BCF	Bioconcentration factor
DNEL	Derived-No Effect Level
EC50	The effective concentration of substance that causes 50 % of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50 % of a test population (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:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1A	Sensitisation - Skin, Category 1A	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	
H302	Harmful if swallowed	
H315	Causes skin irritation	
H317	May cause an allergic skin reaction	
H319	Causes serious eye irritation	
H335	May cause respiratory irritation	

SDS EU (REACH Annex II)



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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.