

COCAINI HYDROCHLORIDUM

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name:	EN: Cocaine hydrochloride
	LAT: Cocaini hydrochloridum
	NL: Cocaïne hydrochloride
	FR: Cocaïne (chlorhydrate de)
	DE: Cocainhydrochlorid
N° CAS:	53-21-4
N° EC:	200-167-1

1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses:	Active Pharmaceutical Ingredient or Excipient.
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1.3 Details of the supplier of the safety data sheet

Company:	Magis-Pharma NV Neerlandweg 24 2610 Wilrijk Belgium
Telephone:	(+32) (0)3 457 11 76
Email:	info@magis-pharma.be
Web page:	www.magis-pharma.be

1.4 Emergency telephone number

Public utility foundation:	Belgisch Antigifcentrum	Centre Antipoisons Belge
Telephone:	(+32) (0)70 245 245	(Service 24/7)
Web page:	www.antigifcentrum.be	www.centreantipoisons.be

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance/mixture

Classification according to (EC) n° 1272/2008

Acute Tox. 3	H301
Skin Sens. 1	H317
Eye Irrit. 2	H319
Repr. 1B	H360


2.2 Label elements

Labelling according to (EC) n° 1272/2008

Hazard pictogram(s):



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Signal word(s):	Danger
Hazard statements:	
H301	Toxic if swallowed.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H360	May damage fertility or the unborn child.
Precautionary statements:	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see on this label).
P330	Rinse mouth.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container in a safe manner in accordance with local/national regulations.
Additional applicable label elements:	

2.3 Other hazards

Not available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Product name:	Cocaine hydrochloride
IUPAC name:	Methyl (1R,2R,3S,5S)-3-(benzoyloxy)-8-methyl-8-azabicyclo[3.2.1]octane-2-carboxylate hydrochloride
Synonyms:	Cocaine muriate

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N° CAS:	Cocaine chloride
N° EC:	53-21-4
Molecular Formula:	200-167-1
Content:	$C_{17}H_{22}ClNO_4$
	98.5 per cent to 101.0 per cent (dried substance).
3.2 Mixtures	
Not applicable.	
SECTION 4: FIRST AID MEASURES	
4.1 Description of first aid measures	
After inhalation:	Remove victim to fresh air. If not breathing, give artificial respiration. Seek medical attention immediately.
After skin contact:	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if ill effect or irritation develops.
After eye contact:	Rinse immediately with plenty of water. Seek immediate medical advice.
After ingestion:	Rinse mouth. Give water to drink. Never give anything by mouth to an unconscious person. Seek medical attention immediately.
4.2 Most important symptoms and effects, both acute and delayed	
Headache, nausea, dizziness, vomiting, fever, gastrointestinal complaints, dilated pupils, excitement/restlessness, disturbance in attention, coma, death.	
4.3 Indication of any immediate medical attention and special treatment needed	
Not available.	
SECTION 5: FIREFIGHTING MEASURES	
5.1 Extinguishing media	
Suitable extinguishing media:	All extinguishing agents can be used.
Unsuitable extinguishing media:	Not available.
5.2 Special hazards arising from the substance/mixture	
Fire hazard: On exposure to high temperature, may decompose, releasing toxic gases. Carbon dioxide. Carbon monoxide. Nitrogen oxides. Chlorine.	
Explosion hazard: Large amounts: Risk of dust explosion.	
5.3 Advice for firefighters	
Surrounding fires:	Prevent fire fighting water from entering the environment.
Protection against fire:	Do not enter fire area without proper protective equipment, including respiratory protection.
Hazardous combustion products:	Not available.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate air ventilation. Avoid raising dust.

For emergency responders

Wear proper protective equipment. (In case of inadequate ventilation) wear respiratory protection.

6.2 Environmental precautions

Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Sweep up dry powder and dispose properly. To clean the floor or objects contaminated by this product, use: Water. Detergent.

6.4 Reference to other sections

Not available.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling:	Handle in accordance with good industrial hygiene and safety procedures.
Personal protection:	Not available.
Technical protective measures:	Not available.
Handling:	Not available.

7.2 Conditions for safe storage, including any incompatibilities

Storage:	Not available.
Conditions for safe storage, including any incompatibilities:	Store in dry, well-ventilated area. Keep container tightly closed.
Storage – away from:	Protected from light. Protect from moisture.

7.3 Specific end use(s)

Active Pharmaceutical Ingredient or Excipient

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Cocaine hydrochloride (53-21-4)

United Kingdom WEL TWA (mg/m³) 0.1 mg/m³ 8 h

8.2 Exposure controls

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Appropriate engineering control

Not available.

Individual protection measures

Eye/face protection: Safety glasses (to European standard EN 166 or equivalent).

Skin protection: Protective clothing (with elasticated cuffs and closed neck).

Hand protection:

Type	Material	Permeation	Thickness	Standard
Gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.11 mm	EN ISO 374

Respiratory protection: Respiratory protection according to European standard EN 14387 or equivalent.

Dust production: dust mask with filter type P3.

Thermal hazards: Not determined.

Environmental exposure control

Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	White or almost white, crystalline powder or colourless crystals.
Odour:	Odourless.
Odour threshold:	Not available.
pH:	4.5 (2% in H ₂ O)
Melting/freezing point:	195 °C
Initial boiling point:	Not available.
Boiling range:	Not available.
Flash point:	Not available.
Evaporation rate:	Not available.
Flammability (solid/gas):	Not available.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Relative density:	Not available.
Solubility:	Freely soluble in alcohol, slightly soluble in methylene chloride.
Solubility in water:	Very soluble in water.
Partition coefficient (n-octanol/water):	Not available.
Auto-ignition temperature:	Not available.

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Decomposition temperature: Not available.

Viscosity: Not available.

Explosive properties: Not available.

Oxidising properties: Not available.

9.2 Other information

Molecular mass: 339.8 g/mol

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Not available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None under normal conditions.

10.4 Conditions to avoid

Moisture. High temperature. Light (daylight).

10.5 Incompatible materials

Strong oxidisers.

10.6 Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Nitrogen oxides. Chlorine.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: Toxic if swallowed. Toxic if inhaled.

LD₅₀ oral rat: 96 mg/kg

Skin corrosion/irritation: Not classified.

pH: 4.5

Serious eye damage/irritation: Causes serious eye irritation.

pH: 4.5

Respiratory/skin sensitisation: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: May damage fertility or the unborn child.

Summary of evaluation of the

CMR properties:

Not available.

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STOT-single exposure:	Not classified.
STOT-repeated exposure:	Causes damage to organs through prolonged or repeated exposure.
Aspiration Hazard:	Not classified.
Other:	Not available.

11.2 Additional information on potential adverse human health effects and symptoms

Eye contact:	Causes serious eye irritation.
Skin contact:	May cause an allergic skin reaction.
Inhalation:	Not available.
Ingestion:	Toxic if swallowed.
Aspiration:	Not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

Not available.

12.6 Other adverse effects

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste treatment methods: Avoid release to the environment.

Product/Packaging disposal recommendations: Dispose of in a safe manner in accordance with local/national regulations.

SECTION 14: TRANSPORT INFORMATION

Transport information according to ADR/RID/IMDG/ICAO/IATA

14.1 UN Number

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ADR/ RID(Land),IMDG(Sea), IATA/ICAO (Air) :	ADR 1544	IATA 1544
14.2 UN proper shipping name		
ADR/ RID(Land),IMDG(Sea), IATA/ICAO (Air) :	ADR ALKALOIDS, SOLID, N.O.S.	IATA Not applicable.
14.3 Transport hazard class(es)		
ADR/ RID(Land),IMDG(Sea), IATA/ICAO (Air) :	ADR 6.1	IATA Not applicable.
14.4 Packing group		
ADR/ RID(Land),IMDG(Sea), IATA/ICAO (Air) :	ADR III	IATA Not applicable.
14.5 Environmental hazards		
ADR/ RID(Land),IMDG(Sea), IATA/ICAO (Air) :	ADR Dangerous for the environment: No	IATA Dangerous for the environment: No
14.6 Special precautions for user		
Overland transport		
Classification code (ADR):	T2	
Special provisions (ADR):	43, 274	
Limited quantities (ADR):	5kg	
Excepted quantities (ADR):	E1	
Vehicle for tank carriage:	AT	
Transport category (ADR):	2	
Hazard identification number (Kemler No.):	60	
Orange plates:	<div><div>60</div><div>1544</div></div>	
Tunnel restriction code (ADR):	E	
EAC code:	2X	
Air transport		
Not available		
14.7 Transport in bulk according to annex II of Marpol and the IBC Code		
Not applicable.		
14.8 Additional transport information		
Not available.		
SECTION 15: REGULATORY INFORMATION		
15.1 Safety, health and environmental regulations/legislation specific for the substance/mixture		
Hazard symbol:		

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Risk phrases:

R25 Toxic if swallowed.
R36 Irritating to eyes.
R43 May cause sensitisation by skin contact.
R60 May impair fertility.
R61 May cause harm to the unborn child.

Safety phrases:

S1 Keep locked up.
S20/21 When using do not eat, drink or smoke.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with mild soap and water.
S35 This material and its container must be disposed of in a safe way.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S46 If swallowed, seek medical advice immediately and show this container or label.
S53 Avoid exposure - obtain special instructions before use.
S64 If swallowed, rinse mouth with water (only if the person is conscious).

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

16.1 Changes since the previous version

Not applicable.

16.2 Abbreviations and acronyms used

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
EC (number):	European Community (number)
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
IMDG:	International Maritime Code for Dangerous Goods
IUPAC:	International Union of Pure and Applied Chemistry
PBT:	Persistent, Bioaccumulative and Toxic substance
RID:	Regulations Concerning the International Transport of Dangerous Goods by Rail
STOT:	Specific Target Organ Toxicity

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UN (number):

United Nations (number)

vPvB:

very Persistent and very Bioaccumulative

16.3 Key literature references/sources for data

European Chemicals Agency.

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/>

16.4 Method of classification in case of mixture

Not applicable.

16.5 Relevant Hazard statements and/or precautionary statements

For information on hazard and/or precautionary statements refer to section 2 up to and including section 15.

16.6 Training advisement

Not available

16.7 Notice for user(s)

The information provided in this MSDS has been established in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015, amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council, on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, as well as Council Directive 76/769/EEC and Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC of the Commission.

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16.8 Department issuing MSDS

Quality Department

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