



Supriya Lifescience Limited

Safety Data Sheet

Product: **Ketamine Hydrochloride**

Effective Date: 25/06/22

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Prepared By

[Signature]
25/06/22
EHS

Checked By

[Signature]
25/06/22
Head R&D

Approved By

[Signature]
25/06/22
Head QA

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name: : Ketamine Hydrochloride

1.1 Product identifiers

REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

CAS-No. : 1867-66-9

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

Identified uses: Laboratory chemicals, Manufacture of substances.

1.3 Details of the supplier of the safety data sheet

Company : Supriya Lifescience Limited
A-5/2, Lote Parshuram M.I.D.C.
Industrial Area,
Tal. - Khed, Dist. - Ratnagiri.

1.4 Emergency telephone number

Tel. No. : 91-2356-272299

RTECS: US6504000

Fax No.: 91-2356-272178

Chemical Formula: $C_{13}H_{16}ClNO \cdot HCl$

E-mail id: supriya@supriyalifescience.com

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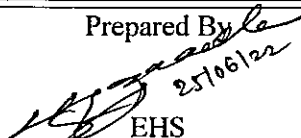
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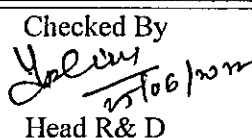
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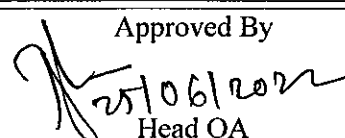
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture :

Classification according to Regulation (EC) No 1272/2008

Hazard statement(s)

H302: Harmful if swallowed.

H 332: Harmful if inhaled

H336 May cause drowsiness or dizziness

Precautionary statement(s)

P 261: Avoid breathing (dust/fume/gas/mist/vapors/spray)

P 264: Wash (hands) thoroughly after handling.

P301+312: If SWALLOWED P 312: Call poison centre or doctor/physician if you feel unwell

P304+340 : If inhaled : Remove victim to fresh air and keep t in position comfortable for breathing

P330 : Rinse mouth

Supplemental Hazard

Statements: none

Long-term (chronic) aquatic hazard :NA

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements

Labeling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Warning

2.3 Other hazards

Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by skin absorption. May cause eye, skin, or respiratory irritation. To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

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SECTION 3: Composition/information on ingredients

Component	Classification	Concentration
Ketamine Hydrochloride		
	Acute Tox. 4; Aquatic Chronic 4; H301, H411	≤ 100 %

Classification of the substance or mixture

3.1 Substances

Synonyms : (2RS)-2-(2-chlorophenyl)-2-(methlamino) cyclohexanone hydrochloride
Formula : $C_{13}H_{16}ClNO \cdot HCl$
Molecular weight : 274.2 g/mole
CAS-No. : 1867-66-9
EC-No. : 252-950-2

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4: First Aid Measures

Description of first aid measures

4.1 General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

4.3 Indication of immediate medical attention and special treatment needed

No data available

SECTION 5: Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas Combustible.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

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Section 7: Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Ph. Eur./BP: Protected from light.

IP: Store protected from moisture.

USP: Preserve in well-closed container. Store at 25°C, excursions permitted between 15°C and 30°C

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal protective equipment

Eye/face protection : safety glasses

Skin protection : Compatible Chemical resistant gloves

Body Protection : Lab Coat

Respiratory protection: NIOSH approved respirator, as conditions warrant.

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Discharge into the environment must be avoided.

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Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

- | | |
|---|---|
| a) Appearance Form | : White or almost white, crystalline powder |
| b) Odour | : Odourless |
| c) Odour threshold | : No data available |
| d) pH | : 3.5-4.1 at 10g/L |
| e) Melting point range | : About 260°C |
| f) Initial boiling point and boiling range | : No data available |
| g) Flash point | : No data available |
| h) Evaporation rate | : No data available |
| i) Flammability (solid, gas) | : No data available |
| j) Upper/lower flammability or explosive limits | : No data available |
| k) Vapour pressure | : No data available |
| l) Vapour density | : No data available |
| m) Relative density | : No data available |
| n) Water solubility | : Freely soluble |
| o) Partition coefficient N-octanol/water | : No data available |
| p) Auto ignition temperature | : No data available |
| q) Decomposition temperature | : No data available |
| r) Viscosity | : No data available |
| s) Explosive properties | : No data available |
| t) Oxidizing properties | : No data available |

9.2 Other safety information : No data available

Section 10: Stability and Reactivity Data

- | | |
|--|--|
| 10.1 Reactivity | : No data available |
| 10.2 Chemical stability | : Stable under recommended storage conditions. |
| 10.3 Possibility of hazardous reactions | : No data available |
| 10.4 Conditions to avoid | : No data available |

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10.5 Incompatible materials : Strong oxidizing agents

10.6 Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogenoxides (NOx), Hydrogen chloride gas
Other decomposition products - No data available
In the event of fire: see section 5

Section 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity : Oral LDLO (man): 13333 µg/kg; Oral LD50 (rat): 477 mg/kg; Intraperitoneal LD50 (rat): 224 mg/kg; Oral LD50 (mouse): 617 mg/kg; Intraperitoneal LD50 (mouse): 224 mg/kg;

Respiratory or skin sensitization : No data available

Germ cell mutagenicity : No data available

Carcinogenicity

IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity : No data available

Specific target organ toxicity - single exposure : No data available

Specific target organ toxicity - repeated exposure : No data available

Aspiration hazard : No data available

Additional Information : Not available

Section 12: Ecological Information

12.1 Toxicity : Avoid release into the environment
Runoff of fire control or dilution water may cause pollution

12.2 Persistence and degradability

Biodegradability : No data available

12.3 Bioaccumulative potential : No data available

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12.4 Mobility in soil : No data available

12.5 Results of PBT and vPvB assessment : No data available

12.6 Other adverse effects : No data available

Section 13: Disposal Considerations

13.1 Waste treatment methods

Product : Dispose in accordance with local, state, and federal regulations

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID : Not Dangerous Good

IMDG : Not Dangerous Good

IATA : Not Dangerous Good

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: No

IMDG Marine pollutant: No

IATA: No

14.6 Special precautions for user

No data available

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Section 15: Other Regulatory Information

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

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

15.2 Chemical safety assessment

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

Section 16: Other Information

Full text of H-Statements referred to under sections 2 and 3.

H302 Harmful if swallowed.

H336 May cause drowsiness or dizziness

Further information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Supriya Lifescience Limited be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages, howsoever arising, even if Supriya Lifescience Limited has been advised of the possibility of such damages.

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