

EU SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH)



Setting standards
in analytical science

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Name: Ethcathinone Hydrochloride (N-Ethylcathinone Hydrochloride)

Catalogue Number: 1387.08

Use of the substance: Specific analysis

Manufacturer: LGC GmbH, D-14943 Luckenwalde, Germany
Phone +49 3371 681 680, Fax +49 3371 681 689
e-mail: msds@lgc-germany.com

Emergency Number: Phone +49 3371 681 680
Only available during office hours.

2. HAZARDS IDENTIFICATION

Classification according to Directive 67/548/EEC:

Symbols: Xn (harmful)

R phrases: R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

Classification according to Regulation (EC) No 1272/2008 (CLP):

Pictograms:



Signal Word: Warning

H statements: H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.

3. COMPOSITION AND INFORMATION ON COMPONENTS

Molecular Formula: C₁₁H₁₅NO HCl

Molecular Weight: 213.70

Concentration: pure material

Synonyms:

CAS Number: 51553-17-4

EC Number: unlisted

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If breathing becomes difficult, call a physician.

Skin Contact: Call a physician. Remove contaminated clothing. Wash affected area with soap and water. Rinse thoroughly.

Eyes Contact: Call a physician. Assure adequate flushing by separating the eyelids with fingers. Flush with copious amount of water for least 15 minutes.

Ingestion: Call a physician. Wash out mouth with water provided person is conscious.

In any case seek medical advice and call the nearest poison centre.

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Emits toxic fumes under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: See section 8.
Methods For Cleaning Up: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.
Ventilate area and wash spill site after material pick up is complete.
Environmental Precautions: Do not allow material to enter drains or water courses.

7. HANDLING AND STORAGE

Handling: This product should be handled only by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals, who should take into account the fire, health and chemical hazard data given on this sheet. It should always be handled in an efficient fume hood or equivalent system. It should be borne in mind that the toxicological and physiological properties of many compounds are not yet well determined and that new hazardous products may arise from reactions between chemicals. Care should be taken to prevent any chemical from coming into contact with skin or eyes and from contaminating personal clothing.

Storage: Keep unopened in the original container, away from sources of heat.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory Protection: Avoid raising dust.
Skin Protection: Chemical-resistant gloves and body covering to minimise skin contact.
Eye Protection: Chemical safety goggles.
Ventilation: Laboratory fume hood or local exhaust ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: solid
Colour: white
pH-Value:
Melting Temperature: 181 - 187 °C
Boiling Temperature:
Flash Point:
Density (20°C):
Optical Rotation (20°C): -0.05° to +0.05°
Solubility in Water: no data available
Special Properties:

10. STABILITY AND REACTIVITY

Conditions to Avoid: no data available
Substances to Avoid: strong oxidising agents
Hazardous Decomposition: CO_x, NO_x, HCl
Hazardous Polymerisation: Will not occur.

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11. TOXICOLOGICAL INFORMATION

RTECS Number: unlisted

No toxicological information available.

12. ECOLOGICAL INFORMATION

Not available.

13. DISPOSAL CONSIDERATIONS

Incinerate in an approved facility. Observe all federal state and local environmental regulations.

14. TRANSPORT INFORMATION

Transport classification for sea transport (IMDG), air (ICAO/IATA), road (ADR) and rail (RID):

Not applicable.

15. REGULATORY INFORMATION

Labelling (67/548/EEC and 1999/45/EC):

Hazard symbols:



Risk phrases: R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

Safety phrases: S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36 Wear suitable protective clothing.

Labelling (Regulation (EC) No 1272/2008):

Pictograms:



Signal Word: Warning

H statements: H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

P statements: P281 Use personal protective equipment as required.

P305+P351 IF IN EYES: Rinse cautiously with water for several minutes.

16. OTHER INFORMATION

MSDS Creation Date: 2012-07-18

Revision #1 Date:

Legal disclaimer:

The information in this safety data sheet ("SDS") has been prepared with due care and is true and accurate to the best of our knowledge. The user must determine the suitability of the information for its particular purpose, ensure compliance with existing laws and regulations, and be aware that other or additional safety or performance considerations may arise when using, handling and/or storing the material. The information in this SDS does not purport to be all-inclusive or a guarantee as to the properties of the

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material supplied, and should be used only as a guide. LGC makes no warranties or representations as to the accuracy and completeness of the information contained herein, shall not be held responsible for the suitability of this information for the user's intended purposes or the consequences of such use, and shall not be liable for any damage or loss, howsoever arising, direct or otherwise.

Other information:

The material to which this SDS relates is supplied exclusively for chemical test and assay purposes ("reference purposes"). It is to be used for no other purpose and is not for human consumption.

Glossary:

ADR = Accord européen relatif au transport international des marchandises dangereuses par route

CAS Number = Chemical Abstract Service Registry Number

EC = European Community

EINECS = European Inventory of Existing Chemical Substances

ICAO/IATA = International Civil Aviation Organization/International Air Transport Association

IMDG = International Maritime Dangerous Goods (IMDG) Code

RID = Règlement concernant le transport international ferroviaire des marchandises dangereuses

RTECS = Registry of Toxic Effects of Chemical Substances

SDS = Safety Data Sheet

TSCA = Toxic Substances Control Act