

# Material Safety Data Sheet

Liverpool ChiroChem Ltd., Department of Chemistry, Crown Street, Liverpool L69 7ZD, United Kingdom  
Emergency Telephone No. +44 (0) 151 794 2936

## 1. Product Identification

Chemical Name:	(R)-2-propylpiperidine hydrochloride
Product No.:	A0009R
CAS Registry No.:	88057-03-8 (Component: 5985-99-9)
Synonyms:	(R)-(-)-Coniine hydrochloride
Chemical Family:	Heterocyclic compound

## 2. Composition on Ingredients

Molecular Weight:	163.69
Molecular Formula:	C <sub>8</sub> H <sub>18</sub> CIN
Purity (%):	97%

## 3. Hazard Identification

### Label elements:

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram: 

Signal word: Danger

### Hazard statement(s)

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H351	Suspected of causing cancer

### Precautionary statement(s)

P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280	Wear protective gloves/ protective clothing.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P311	Call a POISON CENTER or doctor/ physician.

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## 4. First Aid Measures

Eyes Exposure:	Immediately flush with water for at least 15 minutes. If discomfort persists, seek medical attention.
Skin Exposure:	Wash with soap for 15 minutes. If exposure is severe or irritation develops, seek medical attention.
Inhalation:	Remove to fresh air and seek medical attention. If breathing is difficult, give oxygen.
Ingestion:	Wash out mouth with water. Seek medical attention.

## 5. Fire Fighting Measures

Flash Point:	Not known.
Autoignition Temperature:	Not known.
Explosion Limits:	Not known.
Personal Protection:	Wear breathing apparatus and protective clothing.
Extinguishing Medium:	Water spray, carbon dioxide, dry chemical powder or appropriate foam.
Special Precautions:	Likely to emit irritating fumes under fire conditions. Take reasonable care to avoid contamination of watercourses and drains

## 6. Accidental Release Measures

Wear breathing apparatus and protective clothing; cordon off area (especially downwind).  
Mix with sand or similar inert absorbent material, sweep up and place in closed containers for waste disposal. Avoid raising dust.  
Ventilate area and thoroughly wash spill site after material pickup is complete.

## 7. Handling and Storage

Avoid contact of this material with eyes, skin and clothing.  
Use chemical-resistant gloves and impervious overalls for operations that could result in skin contact.  
Avoid breathing dust or vapours. Use local exhaust ventilation.  
Use suitable respiratory protection, such as an air hood.  
Store in closed vessels. Store at room temperature.

## 8. Exposure Controls

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## Components with workplace control parameters

Contains no substances with occupational exposure limit values.

## Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

## 9. Chemical and Physical Properties

Appearance:	Form: Solid
Odour:	Not known.
pH:	Not known.
Melting Point:	218-221°C
Boiling Point:	Data not available.

## 10. Stability

Chemical Stability:	Stable under recommended storage conditions.
Incompatibilities with Other Materials:	Strong oxidizing agents.
Hazardous combustion or Decomposition products:	Carbon monoxide, carbon dioxide and nitrogen oxides; hydro chloride

## 11. Toxicology

No specific toxicology data is available. Sample should be treated as Harmful as a minimum precaution. Safety measures should be taken accordingly.

Limited evidence of carcinogenicity in animal studies  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

## 12. Ecology

No specific ecology data is available. Do not allow to enter drains, sewers and watercourses.

## 13. Disposal

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## Waste treatment methods

### Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

### Contaminated packaging

Dispose of as unused product

## 14. Transportation

Shipping Name:	(R)-2-propylpiperidine hydrochloride		
Hazard Class:	ADR/RID: 6.1	IMDG: 6.1	IATA: 6.1
UN ID Number:	ADR/RID: 2810	IMDG: 2810	IATA: 2810
Packing Group:	DR/RID: II	IMDG: II	IATA: II

## 15. Regulatory Information

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

## 16. Other Information

### Liability:

Information contained in this document is accurate to the knowledge of the publisher.  
Liverpool ChiroChem Ltd shall not be held liable for any damage resulting from handling or contact with this sample.

### Preparation Date:

01/07/2016

### Revision Date:

01/07/2016