

British Pharmacopoeia

**Quality standards** 

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 26-Mar-2025

Revision Number 3.01

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

1.1.	Product identifie	r

CAT 035 Product Code(s)

**Product Name** 1-phenyl-3-pyrrolidinopropan-1-one hydrochloride

Form Not applicable

#### **REACH registration number**

NOTE [8] - No registration number is given for this substance because it is under the threshold in REACH Article 6(1) and not subject to the registration requirements according to REACH Title II

Substance Name	3-(1-pyrrolidinyl)propiophenone hydrochloride
EC No (EU Index No)	212-633-1
CAS No.	833-86-3
Pure substance/mixture	Substance
Formula	C13H17NO.HCI
Molecular weight	239.8
1.2. Relevant identified uses of the s	substance or mixture and uses advised against
Recommended use	Laboratory use
Uses advised against	No information available

1.3. Details of the supplier of the safety data sheet





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#### CAT 035 - 1-phenyl-3-pyrrolidinopropan-1-one hydrochloride

#### **Supplier**

British Pharmacopoeia Commission MHRA 10 South Colonnade Canary Wharf London E14 4PU United Kingdom

Tel : +44 (0)20 3080 6561 eMail: bpcrs@mhra.gov.uk

For further information, please contact

E-mail address

bpcrs@mhra.gov.uk

#### 1.4. Emergency telephone number

**Emergency Telephone** 

+44 (0)20 3080 6561 (Monday - Friday: 8am - 5pm)

Emergency Telephone - §45 - (EC)1272/2008		
Europe	112	
Austria	No information available	
Bulgaria		
Croatia		
Cyprus		
Czech Republic		
Denmark		
France		
Hungary		
Ireland		
Italy		
Lithuania		
Luxembourg		
Netherlands		
Norway		
Portugal		
Romania		
Slovakia		
Slovenia		
Spain		





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Sweden	
Switzerland	

### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin irritation	Category 2 - (H315)
Eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Category 3 Target organ effects: Respiratory irritation.	

#### 2.2. Label elements

Contains 1-Phenyl-3-pyrrolidinopropan-1-one hydrochloride



Signal word Warning

#### Hazard statements

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

### Precautionary Statements - EU (§28, 1272/2008)

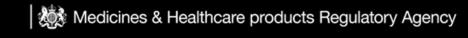
P261 - Avoid breathing dust, fume, gas, mist, vapors and spray P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves, eye protection and face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P312 - Call a POISON CENTER or doctor if you feel unwell

P337 + P313 - If eye irritation persists: Get medical advice/attention





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#### 2.3. Other hazards

No information available. **PBT & vPvB** 

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

Endocrine Disruptor Information This proc	luct does not contain any known or suspe	cted endocrine disruptors.
Chemical name	EU - REACH (1907/2006) - Article 59(1)	EU - REACH (1907/2006) - Endocrine
	- Candidate List of Substances of Very	Disruptor Assessment List of
	High Concern (SVHC) for Authorisation	Substances
1-Phenyl-3-pyrrolidinopropan-1-one hydrochloride	-	_

## **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

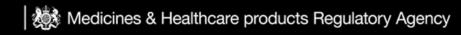
Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	concentration		M-Factor (long-ter m)	Notes
1-Phenyl-3-pyrrolidin opropan-1-one hydrochloride 833-86-3	100	-	212-633-1	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)	-	-	-	-

#### Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate No information available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59).

### **SECTION 4: First aid measures**





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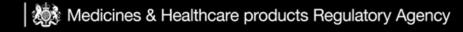
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4.1. Description of first aid measures		
General advice	Show this safety data sheet to the doctor in attendance.	
Inhalation	Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.	
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.	
Skin contact	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.	
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.	
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).	
<u>4.2. Most important symptoms and</u> Symptoms	<u>effects, both acute and delayed</u> May cause redness and tearing of the eyes. Burning sensation.	
Effects of Exposure	No information available.	
4.3. Indication of any immediate medical attention and special treatment needed		
Note to doctors	Treat symptomatically.	

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.	
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.	
5.2. Special hazards arising from the substance or mixture		





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Specific hazards arising from the No information available. chemical

5.3. Advice for firefighters

Special protective equipment and<br/>precautions for fire-fightersFirefighters should wear self-contained breathing apparatus and full firefighting turnout gear.<br/>Use personal protection equipment.

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

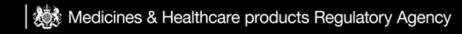
Personal precautions	Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing.	
Other information	Refer to protective measures listed in Sections 7 and 8.	
For emergency responders	Use personal protection recommended in Section 8.	
6.2. Environmental precautions		
Environmental precautions	Prevent further leakage or spillage if safe to do so.	
6.3. Methods and material for containment and cleaning up		
Methods for containment	Prevent further leakage or spillage if safe to do so.	
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.	
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.	
6.4. Reference to other sections		
Reference to other sections	See section 8 for more information. See section 13 for more information.	

## SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off





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	contaminated clothing and wash it before reuse. Ensure adequate ventilation. Avoid breathing vapours or mists. In case of insufficient ventilation, wear suitable respiratory equipment.
General hygiene considerations	Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wear suitable gloves and eye/face protection.
7.2. Conditions for safe storage, inc	luding any incompatibilities
Storage Conditions	Please refer to the manufacturer's certificate for specific storage and transport temperature conditions. Store only in the original receptacle unless other advice is given on the CoA. Keep containers tightly closed in a dry, cool and well-ventilated place.
Storage class (TRGS 510)	LGK 11.
7.3. Specific end use(s)	
Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.

## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

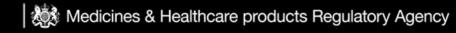
Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Biological occupational exposure limits	This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers No information available

Derived No Effect Level (DNEL) - General Public No information available.

Predicted No Effect Concentration (PNEC) No information available.

#### 8.2. Exposure controls





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Personal protective equipment			
Eye/face protection		Near safety glasses with side y glasses with side-shields.	shields (or goggles). If splashes are
Hand protection	The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374. Wear suitable gloves. Impervious gloves.		
Gloves			
Duration of contact	Glove thickness 0.11 mm	Break through time 480 minutes	PPE - Glove material Wear protective nitrile rubber gloves
Skin and body protection	Wear suitable protective of	clothing. Long sleeved clothing	g.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.		
General hygiene considerations	Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wear suitable gloves and eye/face protection.		
Environmental exposure controls	Do not allow into any sew	er, on the ground or into any	body of water.

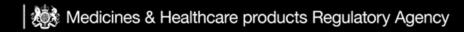
## **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties		
Appearance	Solid	
Physical state	Solid	
Colour	pink	
Odour	No information available	
Odour threshold	No information available	
Property_	Values	
Melting point / freezing point	162 - 164 °C	
Initial boiling point and boiling rangeNo data available		
Flammability	No data available	
Flammability Limit in Air		
Upper flammability or explosive	No data available	

None known None known None known

Remarks • Method

None known





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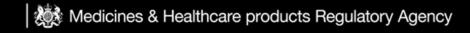
### CAT 035 - 1-phenyl-3-pyrrolidinopropan-1-one hydrochloride

limits		
Lower flammability or explosive	No data available	
limits		
Flash point	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
SADT (°C)	No data available	None known
рН	No data available	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Water solubility	Soluble in water	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	1.05	None known
Bulk density	No data available	
Liquid Density	No data available	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	
9.2. Other information		
Molecular formula	C13H17NO.HCI	
Molecular weight	239.8	

9.2.1. Information with regards to physical hazard classes No information available

**9.2.2. Other safety characteristics** No information available

SECTION 10: Stability and reactivity		
10.1. Reactivity		
Reactivity	No information available.	
10.2. Chemical stability		
Stability	Stable under normal conditions.	





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Explosion data Sensitivity to mechanical impact None. Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

### **SECTION 11: Toxicological information**

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008\_ Information on likely routes of exposure\_

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
<u>Symptoms related to the physical, c</u> Symptoms	themical and toxicological characteristics Redness. May cause redness and tearing of the eyes.
Delayed and immediate effects as w	rell as chronic effects from short and long-term exposure

Acute toxicity Based on available data, the classification criteria are not met Numerical measures of toxicity No information available





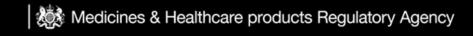
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Skin corrosion/irritation	Classification based on data available for ingredients. Causes skin irritation.	
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes serious eye irritation.	
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.	
Germ cell mutagenicity	Based on available data, the classification criteria are not met.	
Carcinogenicity	Based on available data, the classification criteria are not met.	
Reproductive toxicity	Based on available data, the classification criteria are not met.	
STOT - single exposure	May cause respiratory irritation.	
STOT - repeated exposure	Based on available data, the classification criteria are not met.	
Aspiration hazard	Based on available data, the classification criteria are not met.	
11.2. Information on other hazards		
11.2.1. Endocrine disrupting propertiesEndocrine disrupting propertiesBased on available data, the classification criteria are not met.		
11.2.2. Other information Other adverse effects	No information available.	





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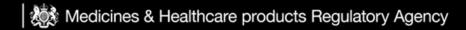
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### CAT 035 - 1-phenyl-3-pyrrolidinopropan-1-one hydrochloride

SECTION 12: Ecological in	SECTION 12: Ecological information		
<u>12.1. Toxicity</u> Ecotoxicity	The environmental impact of this product has not been fully investigated.		
12.2. Persistence and degradability Persistence and degradability 12.3. Bioaccumulative potential Bioaccumulation	No information available.		
<u>12.4. Mobility in soil</u> Mobility in soil	No information available.		
<u>12.5. Results of PBT and vPvB asse</u> PBT and vPvB assessment	essment Based on available data, the classification criteria are not met.		
12.6. Endocrine disrupting properties			
Endocrine disrupting properties	Based on available data, the classification criteria are not met.		
<u>12.7. Other adverse effects</u> Other adverse effects PMT or vPvM properties	No information available. Based on available data, the classification criteria are not met.		
SECTION 13: Disposal considerations			
13.1. Waste treatment methods			
Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.		
Contaminated packaging	Do not reuse empty containers.		
SECTION 14: Transport information			

## ΙΑΤΑ

14.1	UN number or ID number	Not regulated
14.2	UN proper shipping name	Not regulated





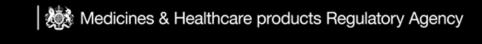
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<ul> <li>14.3 Transport hazard class(es</li> <li>14.4 Packing group</li> <li>14.5 Environmental hazards</li> <li>14.6 Special precautions for us</li> <li>Special Provisions</li> </ul>	Not regulated Not applicable
IMDG14.1UN number or ID number14.2UN proper shipping name14.3Transport hazard class(es)14.4Packing group14.5Environmental hazards14.6Special precautions for us Special Provisions14.7Maritime transport in bulk according to IMO instruments	s) Not regulated Not regulated Not applicable ser None
RID14.1UN number or ID number14.2UN proper shipping name14.3Transport hazard class(es14.4Packing group14.5Environmental hazards14.6Special precautions for us Special Provisions	<ul> <li>Not regulated Not regulated Not applicable</li> </ul>
ADR 14.1 UN number or ID number 14.2 UN proper shipping name 14.3 Transport hazard class(es 14.4 Packing group 14.5 Environmental hazards 14.6 Special precautions for un Special Provisions	<ul> <li>Not regulated</li> <li>Not regulated</li> <li>Not applicable</li> </ul>
ADN 14.1 UN number or ID number 14.2 UN proper shipping name 14.3 Transport hazard class(es 14.4 Packing group 14.5 Environmental hazard 14.6 Special precautions for un Special Provisions	<ul> <li>Not regulated</li> <li>Not regulated</li> <li>Not applicable</li> </ul>





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### SECTION 15: Regulatory information

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

National regulations

Remarks

This substance is considered a controlled drug in some countries and needs to be treated according to the applicable regulations

#### Germany Water hazard class (WGK) non-hazardous to water (nwg) Not applicable **Chemical Prohibition Ordinance** (ChemVerbotsV)

**TRGS 905** 

Not applicable

<u>Switzerland</u>	
Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018	Not applicable
Storage of Hazardous Material	SC 11/13
WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20	Not applicable
Major Accidents Ordinance SR 814.012	Not applicable

**European Union** 

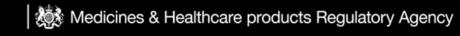
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

#### Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

DIRECTIVE (EU) 2021/1187 on the marketing and use of explosives precursors Not applicable

**Persistent Organic Pollutants** Not applicable





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Ozone-depleting substances (ODS) regulation (EC) 2024/590 Not applicable

International Inventories **TSCA** 

LGC has not confirmed that the chemical substances in this product are on the TSCA Inventory, and LGC is distributing this product solely for use either in applications statutorily exempt from TSCA and regulated under other laws (e.g., FFDCA, FIFRA) or in research and development activities in accordance with the TSCA Inventory R&D exemption provided at 40 CFR 720.36. It is the end-user's responsibility to understand and follow the requirements that apply to its use of this product. DSL/NDSL Contact supplier for inventory compliance status Contact supplier for inventory compliance status **EINECS/ELINCS** Contact supplier for inventory compliance status Contact supplier for inventory compliance status

Legend:

ENCS **IECSC** 

KECL

PICCS AIIC

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

- **ENCS** Japan Existing and New Chemical Substances
- IECSC China Inventory of Existing Chemical Substances

**KECL** - Korean Existing Chemicals Inventory

PICCS - Philippines Inventory of Chemicals and Chemical Substances

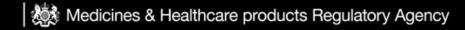
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

**Chemical Safety Report** 

A Chemical Safety Assessment is not required for this substance

### SECTION 16: Other information





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#### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of any hazard and/or precautionary statements referred to under Sections 2-15

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves, protective clothing, eye protection and face protection

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

P321 - Specific treatment (see supplemental first aid instructions on this label)

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P362 + P364 - Take off contaminated clothing and wash it before reuse

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

P261 - Avoid breathing dust, fume, gas, mist, vapors and spray

P271 - Use only outdoors or in a well-ventilated area

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

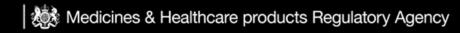
P312 - Call a POISON CENTER or doctor if you feel unwell

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P405 - Store locked up

P501 - Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable Legend

American Conference of Governmental Industrial Hygienists
Italian Association of Industrial Hygienists
Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Europe)
Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
Australian Inventory of Industrial Chemicals
Acute Toxicity Estimate
American Society for the Testing of Materials
Biological Reference Values for Chemical Compounds in the Work Area
Biological tolerance values for occupational exposure
Biological exposure limits
Body weight
Maximum limit value
Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008
Carcinogen, Mutagen or Reproductive Toxicant
German Research Foundation
Department of Transportation (United States)
Domestic Substances List (Canada)
European Chemicals Agency





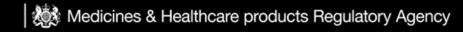
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EC Number	European Community number
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	Environmental Protection Agency
EWC	European Waste Codes
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous
	Chemicals in Bulk
ICAO	International Civil Aviation Organisation
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organisation for Standardisation
KECI	Korean Existing Chemicals Inventory
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MAL	Measuring Technical Hygienic Air Needs
MARPOL	International Convention for the Prevention of Pollution from Ships
MDLPS	Ministry of Labour and Social Policy
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Cooperation and Development
OEL	Occupational exposure limits
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PMT	Persistent, Mobile and Toxic
PPE	Personal protective equipment
QSAR	Quantitative Structure Activity Relationship
REACH	Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship
SDS	Safety Data Sheet
SL	Surface Limit
STEL	Short Term Exposure Limit





# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

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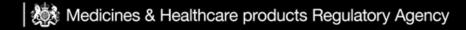
### CAT 035 - 1-phenyl-3-pyrrolidinopropan-1-one hydrochloride

STOT RE	Specific target organ toxicity - Repeated exposure	
STOT SE	Specific target organ toxicity - Single exposure	
SVHC	Substance of very high concern	
TCSI	Taiwan Chemical Substance Inventory	
TDG	Transport of Dangerous Goods (Canada)	
TRGS	Technical Rule for Hazardous Substances	
TSCA	Toxic Substances Control Act (United States)	
TWA	Time-Weighted Average	
UN	United Nations	
VOC	Volatile organic compounds	
vPvB	Very Persistent and Very Bioaccumulative	
vPvM	Very Persistent and Very Mobile	
Sen+	Sensitiser	
Sk*	Skin designation	
**	Hazard Designation	

Classification procedure			
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used		
Acute oral toxicity	Calculation method		
Acute dermal toxicity	Calculation method		
Acute inhalation toxicity - gas	Calculation method		
Acute inhalation toxicity - vapour	Calculation method		
Acute inhalation toxicity - dust/mist	Calculation method		
Skin corrosion/irritation	Calculation method		
Serious eye damage/eye irritation	Calculation method		
Respiratory sensitisation	Calculation method		
Skin sensitisation	Calculation method		
Mutagenicity	Calculation method		
Carcinogenicity	Calculation method		
Reproductive toxicity	Calculation method		
STOT - single exposure	Calculation method		
STOT - repeated exposure	Calculation method		
Chronic aquatic toxicity	Calculation method		
Acute aquatic toxicity	Calculation method		
Aspiration hazard	Calculation method		
Ozone	Calculation method		

#### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database European Food Safety Authority (EFSA)





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#### CAT 035 - 1-phenyl-3-pyrrolidinopropan-1-one hydrochloride

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA RAC) European Chemicals Agency (ECHA) (ECHA\_API) Environmental Protection Agency Acute Exposure Guideline Level(s) (AEGL(s)) U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency High Production Volume Chemicals Food Research Journal Hazardous Substance Database International Uniform Chemical Information Database (IUCLID) National Institute of Technology and Evaluation (NITE) Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS) NIOSH (National Institute for Occupational Safety and Health) National Library of Medicine's ChemID Plus (NLM CIP) National Library of Medicine's PubMed database (NLM PUBMED) U.S. National Toxicology Program (NTP) New Zealand's Chemical Classification and Information Database (CCID) Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme Organisation for Economic Co-operation and Development Screening Information Data Set World Health Organization

**Revision date** 

26-Mar-2025

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 Disclaimer

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