

## Entacapone

**Version:** 4.3

**Revision Date:** 31.01.2025

**SDS Number:** 100000000064

---

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

#### 1.1 Product identifier

Trade name : Entacapone

REACH Registration Number : NA

CAS-No. : 130929-57-6

Unique Formula Identifier : -

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

Use of the Sub-  
stance/Mixture : Active pharmaceutical ingredients

Recommended restrictions  
on use : No data available

#### 1.3 Details of the supplier of the safety data sheet

Company : Fermion Oy

Street address : Koivu-Mankkaan tie 6 A

Post-office box: : P.O. Box 28

Postcode : 02101 Espoo, Finland

Telephone : +358 10 4261

E-mail address of person  
responsible for the SDS : chemicalsafety@orion.fi

VAT Reg. No: : FI18552129

#### 1.4 Emergency telephone number

Poison Center : +358 800 147111  
+358 9 471 977

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

#### 2.2 Label elements

##### Labeling (REGULATION (EC) No 1272/2008)

##### Hazard Statements

No classification

#### 2.3 Other hazards

Other hazards : The product has not been fully tested.

PBT : No data available

vPvB : No data available

Endocrine disrupting pro- : Ecological information: No data available

## Entacapone

**Version:** 4.3

**Revision Date:** 31.01.2025

**SDS Number:** 1000000000064

erties

Toxicological information: No data available

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Chemical name	CAS-No. EC-No. Registration-No	Concentration (% w/w)	M-Factor, SCL, ATE
Entacapone	130929-57-6		

**Other information** : No data available

#### 3.2 Mixtures

Not applicable

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

- General advice : Helpers should ensure their own protection.  
Get medical advice/attention if you feel unwell.
- If inhaled : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
If appropriate, give artificial respiration.
- In case of skin contact : IF ON SKIN: Rinse continuously with water for several minutes.  
Remove/ Take off immediately all contaminated clothing.  
If skin irritation occurs: Get medical advice/ attention.
- In case of eye contact : IF IN EYES: Rinse continuously with water for several minutes. Get medical advice/attention.  
If eye irritation persists:  
Get medical advice/ attention.
- If swallowed : Rinse mouth.  
Do NOT induce vomiting.  
If the patient is conscious, give plenty of water (2 - 4 glasses).  
Get medical advice/attention if you feel unwell.

#### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : See section 11 for symptoms of exposure.
- Risks : No data available

#### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : No data available

## Entacapone

Version: 4.3

Revision Date: 31.01.2025

SDS Number: 1000000000064

---

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Foam  
Water  
Powder  
Choose suitable extinguishing media according to the environment.

Unsuitable extinguishing media : No data available

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : May emit toxic fumes of oxides of nitrogen during heating or fire.

Hazardous combustion products : No data available

#### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : Isolating breathing apparatus eg. compressed breathing apparatus and protective clothing.

Specific extinguishing methods : No data available

Further information : Cool fire exposed containers with water jet.

---

### SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment as required.  
Provide sufficient ventilation.

#### 6.2 Environmental precautions

Environmental precautions : Do not put into water system, drain or soil.  
Do not flush into surface water.  
Avoid release to the environment.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Collect spilled powder without dusting into tight closed container.

#### 6.4 Reference to other sections

See Section 8 and 13

---

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : Handle in well-ventilated space.  
Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
Do not eat, drink or smoke when using this product.

## Entacapone

**Version:** 4.3

**Revision Date:** 31.01.2025

**SDS Number:** 100000000064

---

Wear protective gloves/ protective clothing/ eye protection/  
face protection.  
Wash contaminated clothing before reuse.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed.  
CORROSIVE  
Keep out of reach of children.  
Keep in a dry place.  
See incompatible materials in section 10.5.

Packaging material : Suitable material: No data available  
Unsuitable material: No data available

### 7.3 Specific end use(s)

Specific use(s) : No information identified.

---

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

Engineering measures : Handle in well-ventilated space.  
Avoid contact with skin.  
Handle in closed systems or use an efficient local exhaust if  
dust, vapours or mists may release into workplace air. If  
technical measures cannot prevent exposure, wear personal  
protective equipment.

#### Personal protective equipment

Respiratory protection : In open handling and dust making work use respirator (P3)  
with a minimum protection factor of 20.  
See standard working procedures/instructions or department's  
instructions for more detailed protection measures.

Eye/face protection : Use protective goggles.

Hand protection  
Remarks : Use protective gloves (e.g. nitrile or neopren gloves).

Skin and body protection : Use normal working clothes.

Protective measures : No data available

Environmental exposure controls : No data available

---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : solid

## Entacapone

**Version:** 4.3

**Revision Date:** 31.01.2025

**SDS Number:** 1000000000064

---

Color	:	yellow
Odor	:	odorless
Odor Threshold	:	No data available
Melting point/range	:	160 - 163 °C
Boiling point/boiling range	:	No data available
Flammability	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Self-Accelerating decomposition temperature (SADT)	:	No data available
pH	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Flow time	:	No data available
Solubility(ies)		
Water solubility	:	slightly soluble
Solubility in other solvents	:	No data available
Dissolution Rate	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Dispersion Stability	:	No data available
Vapor pressure	:	No data available
Relative density	:	No data available
Density	:	No data available
Bulk density	:	No data available

## Entacapone

**Version:** 4.3

**Revision Date:** 31.01.2025

**SDS Number:** 1000000000064

---

Relative vapor density	:	No data available
Dissociation constant	:	No data available
Particle characteristics	:	No data available

### 9.2 Other information

Self-ignition	:	No data available
Molecular weight	:	305 g/mol
Hygroscopic properties	:	No data available
Henry's Constant	:	No data available
Further information	:	No data available

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable when stored and handled according to instructions of use.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Not expected to occur.

### 10.4 Conditions to avoid

Conditions to avoid : No data available

### 10.5 Incompatible materials

Materials to avoid : Metals  
Strong oxidants

### 10.6 Hazardous decomposition products

Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Hydrogen cyanide (hydrocyanic acid)  
Nitrogen oxides (NO<sub>x</sub>)

---

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Acute oral toxicity	:	LD50 (Rat): 980 mg/kg
Acute inhalation toxicity	:	No data available
Acute dermal toxicity	:	No data available

## Entacapone

**Version:** 4.3

**Revision Date:** 31.01.2025

**SDS Number:** 100000000064

---

Acute toxicity (other routes of administration) : No data available

### **Skin corrosion/irritation**

No data available

### **Serious eye damage/eye irritation**

No data available

### **Respiratory or skin sensitization**

No data available

### **Germ cell mutagenicity**

Genotoxicity in vitro : Ames-test: negative => not mutagenic.

Genotoxicity in vivo : No data available

### **Carcinogenicity**

No data available

### **Reproductive toxicity**

Effects on fertility : No data available

Effects on fetal development : No data available

### **STOT-single exposure**

No data available

### **STOT-repeated exposure**

No data available

### **Repeated dose toxicity**

No data available

### **Aspiration toxicity**

No data available

## **11.2 Information on other hazards**

### **Endocrine disrupting properties**

No data available

### **Experience with human exposure**

General Information : No data available

## Entacapone

**Version:** 4.3

**Revision Date:** 31.01.2025

**SDS Number:** 1000000000064

---

Inhalation	:	No data available
Skin contact	:	No data available
Eye contact	:	No data available
Ingestion	:	No data available

### **Toxicology, Metabolism, Distribution**

Remarks : No data available

### **Neurological effects**

Remarks : No data available

### **Further information**

Remarks : No data available

### **Other Health Hazards**

No data available

---

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

Toxicity to fish	:	No data available
Toxicity to daphnia and other aquatic invertebrates	:	No data available
Toxicity to algae/aquatic plants	:	No data available
Toxicity to fish (Chronic toxicity)	:	No data available
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	No data available
Toxicity to microorganisms	:	No data available
Toxicity to soil dwelling organisms	:	No data available
Plant toxicity	:	No data available
Sediment toxicity	:	No data available



## Entacapone

**Version:** 4.3

**Revision Date:** 31.01.2025

**SDS Number:** 1000000000064

---

Toxicity to terrestrial organisms : No data available

### **Ecotoxicology Assessment**

Acute aquatic toxicity : No data available

Chronic aquatic toxicity : No data available

Toxicity Data on Soil : No data available

Other organisms relevant to the environment : No data available

### **12.2 Persistence and degradability**

Biodegradability : No data available

Biochemical Oxygen Demand (BOD) : No data available

Chemical Oxygen Demand (COD) : No data available

BOD/COD : No data available

ThOD : No data available

BOD/ThOD : No data available

Dissolved organic carbon (DOC) : No data available

Physico-chemical removability : No data available

Stability in water : No data available

Impact on Sewage Treatment : No data available

Photodegradation : No data available

### **12.3 Bioaccumulative potential**

Bioaccumulation : No data available

Partition coefficient: n-octanol/water : No data available

### **12.4 Mobility in soil**

Mobility : No data available

Distribution among environmental compartments : No data available

## Entacapone

**Version:** 4.3

**Revision Date:** 31.01.2025

**SDS Number:** 1000000000064

---

Stability in soil : No data available

### 12.5 Results of PBT and vPvB assessment

Assessment : No data available

### 12.6 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

Environmental fate and pathways : No data available

Adsorbed organic bound halogens (AOX) : No data available

Ozone-Depletion Potential : No data available

Additional ecological information : No data available

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Chemical incinerator equipped with an afterburner and scrubber is the recommended method of disposal for this material. Observe all local and national regulations when disposing of this material.

---

## SECTION 14: Transport information

### 14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

### 14.2 UN proper shipping name

-

### 14.3 Transport hazard class(es) (ADR/RID, IMDG, ICAO/IATA)

ADR/RID: This product is not regulated under the transport regulations.

IMDG: This product is not regulated under the transport regulations.

IATA: This product is not regulated under the transport regulations.

### 14.4 Packing group

ADR/RID: -

IMDG: -

IATA: -

### 14.5 Environmental hazards

ADR/RID: -

IMDG: -

IATA: -

## Entacapone

**Version:** 4.3

**Revision Date:** 31.01.2025

**SDS Number:** 1000000000064

---

### 14.6 Special precautions for user

Tunnel restriction code : No data available

Further information for transport : No data available

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable

---

## SECTION 15: Regulatory information

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

The product has not been fully tested.

### 15.2 Chemical Safety Assessment

No

---

## SECTION 16: Other information

### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road

AIIC - Australian Inventory of Industrial Chemicals

ASTM - American Society for the Testing of Materials

bw - Body weight

CLP - Classification Labelling Packaging Regulation  
Regulation (EC) No 1272/2008

CMR - Carcinogen, Mutagen or Reproductive Toxicant

DIN - Standard of the German Institute for Standardisation

DSL - Domestic Substances List (Canada)

ECHA - European Chemicals Agency

EC-Number - European Community number

ECx - Concentration associated with x% response

ELx - Loading rate associated with x% response

EmS - Emergency Schedule

ENCS - Existing and New Chemical Substances (Japan)

ErCx - Concentration associated with x% growth rate response

GHS - Globally Harmonized System

GLP - Good Laboratory Practice

## Entacapone

**Version:** 4.3

**Revision Date:** 31.01.2025

**SDS Number:** 1000000000064

---

IARC - International Agency for Research on Cancer  
IATA - International Air Transport Association  
IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 - Half maximal inhibitory concentration  
ICAO - International Civil Aviation Organization  
IECSC - Inventory of Existing Chemical Substances in China  
IMDG - International Maritime Dangerous Goods  
IMO - International Maritime Organization  
ISHL - Industrial Safety and Health Law (Japan)  
ISO - International Organisation for Standardization  
KECI - Korea Existing Chemicals Inventory  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
MARPOL - International Convention for the Prevention of Pollution from Ships  
n.o.s. - Not Otherwise Specified  
NO(A)EC - No Observed (Adverse) Effect Concentration  
NO(A)EL - No Observed (Adverse) Effect Level  
NOELR - No Observable Effect Loading Rate  
NZIoC - New Zealand Inventory of Chemicals  
OECD - Organization for Economic Co-operation and Development  
OPPTS - Office of Chemical Safety and Pollution Prevention  
PBT - Persistent, Bioaccumulative and Toxic substance  
PICCS - Philippines Inventory of Chemicals and Chemical Substances (Q)SAR - (Quantitative) Structure Activity Relationship  
REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
SADT - Self-Accelerating Decomposition Temperature  
SDS - Safety Data Sheet  
SVHC - substance of very high concern  
TCSI - Taiwan Chemical Substance Inventory  
TECI - Thailand Existing Chemicals Inventory  
TRGS - Technical Rule for Hazardous Substances  
TSCA - Toxic Substances Control Act (United States)  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

### Further information

## Entacapone

**Version:** 4.3

**Revision Date:** 31.01.2025

**SDS Number:** 1000000000064

---

Other information	:	No data available
Sources of key data used to compile the Material Safety Data Sheet	:	Information provided by the supplier
Information which has been added, deleted or revised	:	Updated section / sections: 1

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.