

COD IECORIS OLEUM

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

Product name:	EN:	Cod liver oil
	LAT:	Cod iecoris oleum
	NL:	Levertraan olie
	FR:	Huile de foie de morue
	DE:	Lebertran
N° CAS:		8001-69-2
N° EC:		232-289-6

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE/MIXTURE AND USES ADVISED AGAINST

Identified uses:	Active Pharmaceutical Ingredient or Excipient.
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1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company:	Magis-Pharma NV Neerlandweg 24 2610 Wilrijk Belgium
Telephone:	(+32) (0)3 457 11 76
Email:	info@magis-pharma.be
Web page:	www.magis-pharma.be

1.4 EMERGENCY TELEPHONE NUMBER

Public utility foundation:	Belgisch Antifigcentrum	Centre Antipoisons Belge
Telephone:	(+32) (0)70 245 245	(Service 24/7)
Web page:	www.antifigcentrum.be	www.centreantipoisons.be

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE/MIXTURE

Classification according to (EC) n° 1272/2008

Not classified.

2.2 LABEL ELEMENTS

Labelling according to (EC) n° 1272/2008

Hazard pictogram(s):	Not applicable.
Signal word(s):	Not applicable.
Hazard statements:	Not applicable.
Precautionary statements:	Not applicable.
Additional applicable label elements:	Not applicable.

2.3 OTHER HAZARDS

Other hazards which do not result in classification: Self ignition can occur by autooxidation in with product drenched rags.

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

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

MAGIS-PHARMA NV

Neerlandweg 24, 2610 Wilrijk

T: +32 3 457 11 76, F: +32 3 457 43 40, info@magis-pharma.be, www.magis-pharma.be

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The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES

Product name:	Cod liver oil
IUPAC name:	Cod liver oil
Synonyms:	Oleum morrhuae
N° CAS:	8001-69-2
N° EC:	232-289-6
Molecular Formula:	Not available.
Content:	100 %

3.2 MIXTURES

Not applicable.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

General notes:	Remove immediately contaminated clothing.
After inhalation:	Fresh air, rest. Never attempt to induce vomiting: risk of inhalation. Call a doctor.
After skin contact:	Wash skin with plenty of water and soap. If necessary seek medical advice.
After eye contact:	Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Obtain emergency medical attention.
After ingestion:	Do not induce vomiting. Rinse mouth. May result in aspiration into the lungs, causing chemical pneumonia. Immediately consult a doctor/medical service.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Not available.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Not available.

SECTION 5: FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media:	Carbon dioxide (CO ₂), dry chemical powder, foam.
Unsuitable extinguishing media:	Do not use a solid water stream as it may scatter and spread fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE/MIXTURE

Fire hazard: In case of fire it can release. carbon oxides (CO and CO₂).

5.3 ADVICE FOR FIREFIGHTERS

Surrounding fires:	Avoid (reject) fire-fighting water to enter environment.
Protection against fire:	Use a self-contained breathing apparatus and also a protective suit.
Hazardous combustion products:	Not available.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

General measures: No naked flames, sparks, and do not smoke.

FOR NON-EMERGENCY PERSONNEL

Protective equipment: Wear suitable protective clothing.

Emergency procedures: Mark out the contaminated area with signs and prevent access to unauthorized personnel. Spill area may be slippery.

FOR EMERGENCY RESPONDERS

Not available.

6.2 ENVIRONMENTAL PRECAUTIONS

Use appropriate container to avoid environmental contamination.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

For containment: Prevent spillage from spreading by using sand or earth. Dike and contain spill.

Methods for cleaning up: Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite.

Other information: Not in groundwater, surfacewater or sewerage. Notify authorities if product enters sewers or public waters.

6.4 REFERENCE TO OTHER SECTIONS

Not available.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions for safe handling:

Handle in accordance with good industrial hygiene and safety practice. Smoking, eating and drinking should be prohibited in areas of storage and use. Mist or spray may burn at temperature below flash point.

Personal protection:

Not available.

Technical protective measures:

Not available.

Handling:

Not available.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage:

Not available.

Conditions for safe storage, including any incompatibilities:

Store tightly closed in a dry and cool place. Exclude sources of heat, sparks and open flame.

Storage – away from:

Not available.

7.3 SPECIFIC END USE(S)

Active Pharmaceutical Ingredient or Excipient

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Not available.

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8.2 EXPOSURE CONTROLS

APPROPRIATE ENGINEERING CONTROL

Not available.

INDIVIDUAL PROTECTION MEASURES

Eye/face protection:	In case of risky circumstances: safety glasses or face shield.
Skin protection:	Wear suitable protective clothing.
Hand protection:	Wear suitable gloves. Nitrile rubber gloves.
Respiratory protection:	Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
Thermal hazards:	Not available.

ENVIRONMENTAL EXPOSURE CONTROL

Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, yellowish liquid.
Odour:	Characteristic.
Odour threshold:	Not available.
pH:	Not available.
Melting/freezing point:	Not available.
Initial boiling point:	> 100 °C
Boiling range:	Not available.
Flash point:	> 180 °C
Evaporation rate:	Not available.
Flammability (solid/gas):	Not available.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Relative density:	0.917 – 0.930
Solubility:	Not available.
Solubility in water:	Insoluble in water.
Partition coefficient (n-octanol/water):	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	Not applicable.
Oxidising properties:	Not available.



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9.2 OTHER INFORMATION

Density: 0.92 g/cm³ (20°C)

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

Reacts with: oxidising compounds and reducing agents.

10.2 CHEMICAL STABILITY

Stable under normal conditions of use.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Self-ignition can occur by autooxidation in with product drenched rags. Polymerisation can occur above 180 °C.

10.4 CONDITIONS TO AVOID

No naked flames, sparks, and do not smoke.

10.5 INCOMPATIBLE MATERIALS

Not available.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

On burning: release of carbon monoxide - carbon dioxide. Decomposes on exposure to temperature rise: release of toxic/corrosive/combustible gases/vapours acrolein.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity:	Not classified (Based on available data, the classification criteria are not met).
Skin corrosion/irritation:	Not classified. Non-irritant (rabbit).
Serious eye damage/irritation:	Not classified. Non-irritant (rabbit eye).
Respiratory/skin sensitisation:	Not classified. No sensitizing effect is known.
Germ cell mutagenicity:	Not classified (Based on available data, the classification criteria are not met).
Carcinogenicity:	Not classified (Based on available data, the classification criteria are not met).
Reproductive toxicity:	Not classified (Based on available data, the classification criteria are not met).
Summary of evaluation of the CMR properties:	Not available.
STOT-single exposure:	Not classified (Based on available data, the classification criteria are not met).
STOT-repeated exposure:	Not classified (Based on available data, the classification criteria are not met).
Aspiration Hazard:	Not classified (Based on available data, the classification criteria are not met).
Other:	Adverse health effects caused by endocrine disrupting properties: The substance/mixture has no endocrine disrupting properties.

11.2 ADDITIONAL INFORMATION ON POTENTIAL ADVERSE HUMAN HEALTH EFFECTS AND SYMPTOMS

Eye contact:	Not available.
Skin contact:	Not available.
Inhalation:	Not available.
Ingestion:	Not available.
Aspiration:	Not available.

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SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

Hazardous to the aquatic environment, short-term (acute): Not classified.
Hazardous to the aquatic environment, long-term (chronic): Not classified.

12.2 PERSISTENCE AND DEGRADABILITY

Readily biodegradable.

12.3 BIOACCUMULATIVE POTENTIAL

Not available.

12.4 MOBILITY IN SOIL

Not available.

12.5 RESULTS OF PBT AND VPVB ASSESSMENT

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

12.6 OTHER ADVERSE EFFECTS

Adverse effects on the environment caused by endocrine disrupting properties: The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Other adverse effects: Water hazard class: 1 (specific classification). The product does not contain substances listed in Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Sewage disposal recommendations: Do not allow large quantities, as are, to spread into the environment. Do not discharge into drains or rivers.

Ecology - waste materials: Collect all waste in suitable and labelled containers and dispose according to local legislation.

SECTION 14: TRANSPORT INFORMATION

Transport information according to ADR/RID/IMDG/ICAO/IATA

14.1 UN NUMBER

ADR/ RID(Land),IMDG(Sea), Not applicable.
IATA/ICAO (Air) :

14.2 UN PROPER SHIPPING NAME

ADR/ RID(Land),IMDG(Sea), Not applicable.
IATA/ICAO (Air) :

14.3 TRANSPORT HAZARD CLASS(ES)

ADR/ RID(Land),IMDG(Sea), Not applicable.
IATA/ICAO (Air) :

14.4 PACKING GROUP

ADR/ RID(Land),IMDG(Sea), Not applicable.
IATA/ICAO (Air) :

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14.5 ENVIRONMENTAL HAZARDS

ADR/ RID(Land),IMDG(Sea), Dangerous for the environment: No
IATA/ICAO (Air) : Marine pollutant: No

14.6 SPECIAL PRECAUTIONS FOR USER

Not available.

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE

Not applicable.

14.8 ADDITIONAL TRANSPORT INFORMATION

Not available.

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE/MIXTURE

Hazard symbol: Not applicable.
Risk phrases: Not applicable.
Safety phrases: Not applicable.

15.2 CHEMICAL SAFETY ASSESSMENT

Not available.

SECTION 16: OTHER INFORMATION

16.1 CHANGES SINCE THE PREVIOUS VERSION

Not applicable.

16.2 ABBREVIATIONS AND ACRONYMS USED

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS: Chemical Abstracts Service (division of the American Chemical Society)
EC (number): European Community (number)
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IMDG: International Maritime Code for Dangerous Goods
IUPAC: International Union of Pure and Applied Chemistry
PBT: Persistent, Bioaccumulative and Toxic substance
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
STOT: Specific Target Organ Toxicity
UN (number): United Nations (number)
vPvB: very Persistent and very Bioaccumulative

16.3 KEY LITERATURE REFERENCES/SOURCES FOR DATA

European Chemicals Agency.
<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/>

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16.4 METHOD OF CLASSIFICATION IN CASE OF MIXTURE

Not applicable.

16.5 RELEVANT HAZARD STATEMENTS AND/OR PRECAUTIONARY STATEMENTS

For information on hazard and/or precautionary statements refer to section 2 up to and including section 15.

16.6 TRAINING ADVISEMENT

Not available

16.7 NOTICE FOR USER(S)

The information provided in this MSDS has been established in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015, amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council, on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, as well as Council Directive 76/769/EEC and Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC of the Commission.

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16.8 DEPARTMENT ISSUING MSDS

Magis-Pharma NV
info@magis-pharma.be

