

Diethyl ether

Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 13/09/2017 Version: 0.0

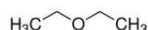
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Substance
Substance name : Diethyl ether
Chemical name : Diethyl ether
EC Index-No. : 603-022-00-4
EC-No. : 200-467-2
CAS-No. : 60-29-7
Type of product : Pure substance
Chemical structure :



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

1.2.1. Relevant identified uses

Use of the substance/mixture : Laboratory chemicals

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ISOLAB Laborgeräte GmbH
Am Dillhof 2 - 63863 Eschau / GERMANY
Tel: + 49 93 74 / 978 55-0
Fax: +49 93 74 / 978 55-29
prodsafe@isolab.de

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Germany	Giftnotruf der Charité CBF, Haus VIII (Wirtschaftgebäude), UG	Hindenburgdamm 30 12203 Berlin	+49 30 19240	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 1 H224

Acute Tox. 4 (Oral) H302

STOT SE 3 H336

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

Extremely flammable liquid and vapour. May cause drowsiness or dizziness. Harmful if swallowed.

2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazard statements (CLP) :

H224 - Extremely flammable liquid and vapour.
H302 - Harmful if swallowed.
H336 - May cause drowsiness or dizziness.

Precautionary statements (CLP) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

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smoking
P240 - Ground and bond container and receiving equipment
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

EUH-statements : EUH019 - May form explosive peroxides
EUH066 - Repeated exposure may cause skin dryness or cracking

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.1. Substances

Name	Product identifier	%
Diethyl ether	(CAS-No.) 60-29-7 (EC-No.) 200-467-2 (EC Index-No.) 603-022-00-4	100

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Rinse mouth. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects : May cause drowsiness or dizziness.
Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable liquid and vapour.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. NO open flames, NO sparks, and NO smoking. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.
Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Diethyl ether (60-29-7)		
EU	Local name	Diethylether
EU	IOELV TWA (mg/m ³)	308 mg/m ³
EU	IOELV TWA (ppm)	100 ppm
EU	IOELV STEL (mg/m ³)	616 mg/m ³
EU	IOELV STEL (ppm)	200 ppm
Austria	Local name	Diethylether
Austria	MAK (mg/m ³)	300 mg/m ³
Austria	MAK (ppm)	100 ppm
Austria	MAK Short time value (mg/m ³)	600 mg/m ³
Austria	MAK Short time value (ppm)	200 ppm
Belgium	Local name	Oxyde de diéthyle # Di-ethylether
Belgium	Limit value (mg/m ³)	308 mg/m ³
Belgium	Limit value (ppm)	100 ppm
Belgium	Short time value (mg/m ³)	616 mg/m ³
Belgium	Short time value (ppm)	200 ppm
Bulgaria	Local name	Диетилов етер
Bulgaria	OEL TWA (mg/m ³)	308 mg/m ³
Bulgaria	OEL TWA (ppm)	100 ppm
Bulgaria	OEL STEL (mg/m ³)	616 mg/m ³
Bulgaria	OEL STEL (ppm)	200 ppm
Bulgaria	Notes	• (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)
Croatia	Local name	Dietil-eter; (Eter)
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	308 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	100 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	616 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	200 ppm

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Diethyl ether (60-29-7)		
Croatia	Naznake (HR)	EU* (naznaka da se radi o tvarima za koje su utvrđene indikativne granične vrijednosti izloženosti prema Direktivi 2000/39/ EC (prva lista)); F+ (vrlo lako zapaljivo); Xn (Štetno)
Czech Republic	Local name	Diethylether
Czech Republic	Expoziční limity (PEL) (mg/m ³)	300 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	100 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	600 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	200 ppm
Denmark	Local name	Diethylether (Ether)
Denmark	Grænseværdie (langvarig) (mg/m ³)	309 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	100 ppm
Denmark	Anmærkninger (DK)	E (betyder, at stoffet har en EF-grænseværdi)
Estonia	Local name	Dietüüleeter (etoksüetaan)
Estonia	OEL TWA (mg/m ³)	308 mg/m ³
Estonia	OEL TWA (ppm)	100 ppm
Estonia	OEL STEL (mg/m ³)	616 mg/m ³
Estonia	OEL STEL (ppm)	200 ppm
Finland	Local name	Dietyylieetteri
Finland	HTP-arvo (8h) (mg/m ³)	310 mg/m ³
Finland	HTP-arvo (8h) (ppm)	100 ppm
Finland	HTP-arvo (15 min)	620 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	200 ppm
France	Local name	Oxyde de diéthyle
France	VME (mg/m ³)	308 mg/m ³
France	VME (ppm)	100 ppm
France	VLE (mg/m ³)	616 mg/m ³
France	VLE (ppm)	200 ppm
France	Note (FR)	Valeurs réglementaires contraignantes
Germany	Local name	Diethylether
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	1200 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	400 ppm
Germany	Remark (TRGS 900)	DFG,EU
Gibraltar	Eight hours mg/m ³	308 mg/m ³
Gibraltar	Eight hours ppm	100 ppm
Gibraltar	Short-term mg/m ³	616 mg/m ³
Gibraltar	Short-term ppm	200 ppm
Gibraltar	Name of agent	Diethylether
Greece	OEL TWA (mg/m ³)	1200 mg/m ³
Greece	OEL TWA (ppm)	400 ppm
Greece	OEL STEL (mg/m ³)	1500 mg/m ³
Greece	OEL STEL (ppm)	500 ppm
Hungary	Local name	DIETIL-ÉTER
Hungary	AK-érték	308 mg/m ³
Hungary	CK-érték	616 mg/m ³
Hungary	Megjegyzések (HU)	b, i, sz; II.1.
Ireland	Local name	Ether
Ireland	OEL (8 hours ref) (mg/m ³)	308 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	100 ppm
Ireland	OEL (15 min ref) (mg/m ³)	616 mg/m ³

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Diethyl ether (60-29-7)		
Ireland	OEL (15 min ref) (ppm)	200 ppm
Ireland	Notes (IE)	IOELV
Italy	Local name	Dietiletere
Italy	OEL TWA (mg/m ³)	308 mg/m ³
Italy	OEL TWA (ppm)	100 ppm
Italy	OEL STEL (mg/m ³)	616 mg/m ³
Italy	OEL STEL (ppm)	200 ppm
Latvia	Local name	Dietilēteris
Latvia	OEL TWA (mg/m ³)	308 mg/m ³
Latvia	OEL TWA (ppm)	100 ppm
Latvia	OEL STEL (mg/m ³)	616 mg/m ³
Latvia	OEL STEL (ppm)	200 ppm
Lithuania	Local name	Dietileteris (eteris)
Lithuania	IPRV (mg/m ³)	900 mg/m ³
Lithuania	IPRV (ppm)	300 ppm
Lithuania	TPRV (mg/m ³)	1200 mg/m ³
Lithuania	TPRV (ppm)	400 ppm
Luxembourg	Local name	Oxyde de diéthyle
Luxembourg	OEL TWA (mg/m ³)	308 mg/m ³
Luxembourg	OEL TWA (ppm)	100 ppm
Luxembourg	OEL STEL (mg/m ³)	616 mg/m ³
Luxembourg	OEL STEL (ppm)	200 ppm
Malta	Local name	Diethylether
Malta	OEL TWA (mg/m ³)	308 mg/m ³
Malta	OEL TWA (ppm)	100 ppm
Malta	OEL STEL (mg/m ³)	616 mg/m ³
Malta	OEL STEL (ppm)	200 ppm
Netherlands	Local name	Diethylether
Netherlands	Grenswaarde TGG 8H (mg/m ³)	308 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	616 mg/m ³
Poland	Local name	Eter dietylowy
Poland	NDS (mg/m ³)	300 mg/m ³
Poland	NDSCh (mg/m ³)	600 mg/m ³
Portugal	Local name	Éter etílico
Portugal	OEL TWA (ppm)	400 ppm
Portugal	OEL STEL (ppm)	500 ppm
Slovakia	Local name	Dietyléter
Slovakia	NPHV (priemerná) (mg/m ³)	308 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	100 ppm
Slovakia	OEL STEL (mg/m ³)	616 mg/m ³
Slovakia	OEL STEL (ppm)	200 ppm
Slovenia	Local name	dietileter (dter)
Slovenia	OEL TWA (mg/m ³)	308 mg/m ³
Slovenia	OEL TWA (ppm)	100 ppm
Slovenia	KTV factor SL	2
Spain	Local name	Etiléter
Spain	VLA-ED (mg/m ³)	308 mg/m ³
Spain	VLA-ED (ppm)	100 ppm
Spain	VLA-EC (mg/m ³)	616 mg/m ³

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Diethyl ether (60-29-7)		
Spain	VLA-EC (ppm)	200 ppm
Spain	Notes	VLI (Agente químico para el que la U.E. estableció en su día un valor Límite indicativo).
Sweden	Local name	Dietyleter
Sweden	nivågränsvärde (NVG) (mg/m ³)	308 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	100 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	616 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	200 ppm
United Kingdom	Local name	Diethyl ether
United Kingdom	WEL TWA (mg/m ³)	310 mg/m ³
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m ³)	620 mg/m ³
United Kingdom	WEL STEL (ppm)	200 ppm
Iceland	Local name	Dietyleter (eter, etýleter)
Iceland	OEL (8 hours ref) (mg/m ³)	308 mg/m ³
Iceland	OEL (8 hours ref) (ppm)	100 ppm
Iceland	OEL (15 min ref) (mg/m ³)	616 mg/m ³
Iceland	OEL (15 min ref) (ppm)	200 ppm
Russian Federation	Local name	Этоксизтан
Russian Federation	OEL Ceiling (mg/m ³)	900 mg/m ³
Russian Federation	OEL TWA (mg/m ³)	300 mg/m ³
Russian Federation	Remark (RU)	4 класс опасности - умеренно опасное; п (пары и/или газы)
Norway	Local name	Dietyleter (Eter)
Norway	Grenseverdier (AN) (mg/m ³)	300 mg/m ³
Norway	Grenseverdier (AN) (ppm)	100 ppm
Norway	Merknader (NO)	E (EU har en veiledende grenseverdi for stoffet)
Turkey	Local name	Dietyleter
Turkey	OEL TWA (mg/m ³)	308 mg/m ³
Turkey	OEL TWA (ppm)	100 ppm
Turkey	OEL STEL (mg/m ³)	616 mg/m ³
Turkey	OEL STEL (ppm)	200 ppm
Australia	Local name	Ethyl ether
Australia	TWA (mg/m ³)	1210 mg/m ³
Australia	TWA (ppm)	400 ppm
USA - ACGIH	Local name	Ethyl ether
USA - ACGIH	ACGIH TWA (ppm)	400 ppm
USA - ACGIH	ACGIH STEL (ppm)	500 ppm
USA - ACGIH	Remark (ACGIH)	CNS impair; URT irr
USA - OSHA	Local name	Ethyl ether
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	1200 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	400 ppm

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Eye protection:

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Protective goggles

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Colourless liquid.
Molecular mass	: 74.12 g/mol
Colour	: Colourless.
Odour	: Sweetish.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -116 °C
Freezing point	: No data available
Boiling point	: 34.6 °C
Flash point	: -40 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: 587 hPa at 20 °C
Relative vapour density at 20 °C	: 2.55
Relative density	: No data available
Density	: 0.71 g/cm ³ (20 °C)
Solubility	: Water: 69 g/l (20 °C)
Log Pow	: No data available
Log Kow	: 0.89
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 0.23 mPa·s
Explosive properties	: No data available
Oxidising properties	: No data available
Lower explosive limit (LEL)	: 1.7 vol %
Upper explosive limit (UEL)	: 36 vol %

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable liquid and vapour.

10.2. Chemical stability

May form explosive peroxides.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

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10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

Diethyl ether (60-29-7)	
LD50 oral rat	1215 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Diethyl ether (60-29-7)	
LC50 fish 1	2560 mg/l (Ecotoxicological Data, compiled by the US Environmental Protection Agency (EPA), selected and distributed by Technical Database Services (TDS), New York, 2009)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Diethyl ether (60-29-7)	
Log Kow	0.89

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Diethyl ether (60-29-7)	
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

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1155	1155	1155	1155	1155
14.2. UN proper shipping name				
DIETHYL ETHER (ETHYL ETHER)	DIETHYL ETHER (ETHYL ETHER)	Diethyl ether	DIETHYL ETHER (ETHYL ETHER)	DIETHYL ETHER (ETHYL ETHER)

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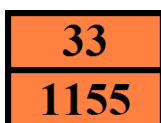


ADR	IMDG	IATA	ADN	RID
Transport document description				
UN 1155 DIETHYL ETHER (ETHYL ETHER), 3, I, (D/E)	UN 1155 DIETHYL ETHER (ETHYL ETHER), 3, I (-40°C c.c.)	UN 1155 Diethyl ether, 3, I	UN 1155 DIETHYL ETHER (ETHYL ETHER), 3, I	UN 1155 DIETHYL ETHER (ETHYL ETHER), 3, I
14.3. Transport hazard class(es)				
3	3	3	3	3
14.4. Packing group				
I	I	I	I	I
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : F1
 Limited quantities (ADR) : 0
 Excepted quantities (ADR) : E3
 Packing instructions (ADR) : P001
 Mixed packing provisions (ADR) : MP7, MP17
 Portable tank and bulk container instructions (ADR) : T11
 Portable tank and bulk container special provisions (ADR) : TP2
 Tank code (ADR) : L4BN
 Vehicle for tank carriage : FL
 Transport category (ADR) : 1
 Special provisions for carriage - Operation (ADR) : S2, S20
 Hazard identification number (Kemler No.) : 33
 Orange plates :



Tunnel restriction code (ADR) : D/E

- Transport by sea

Limited quantities (IMDG) : 0
 Excepted quantities (IMDG) : E3
 Packing instructions (IMDG) : P001
 Tank instructions (IMDG) : T11
 Tank special provisions (IMDG) : TP2
 EmS-No. (Fire) : F-E
 EmS-No. (Spillage) : S-D
 Stowage category (IMDG) : E
 Stowage and handling (IMDG) : SW2
 Flash point (IMDG) : -40°C c.c.
 Properties and observations (IMDG) : Colourless, volatile and mobile liquid with a pleasant aromatic odour. Flashpoint: -40°C c.c. Explosive limits: 1.7% to 48%. Boiling point: 34°C. Immiscible with water. In the presence of oxygen or on long standing or exposure to sunlight, unstable peroxides sometimes form; these may explode spontaneously or when heated. Strongly narcotic. Readily ignited by static electricity.

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MFAG-No : 127

- Air transport

PCA Excepted quantities (IATA) : E3
PCA Limited quantities (IATA) : Forbidden
PCA limited quantity max net quantity (IATA) : Forbidden
PCA packing instructions (IATA) : 351
PCA max net quantity (IATA) : 1L
CAO packing instructions (IATA) : 361
CAO max net quantity (IATA) : 30L
ERG code (IATA) : 3AH

- Inland waterway transport

Classification code (ADN) : F1
Limited quantities (ADN) : 0
Excepted quantities (ADN) : E3
Carriage permitted (ADN) : T
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01
Number of blue cones/lights (ADN) : 1

- Rail transport

Classification code (RID) : F1
Limited quantities (RID) : 0
Excepted quantities (RID) : E3
Packing instructions (RID) : P001
Mixed packing provisions (RID) : MP7, MP17
Portable tank and bulk container instructions (RID) : T11
Portable tank and bulk container special provisions (RID) : TP2
Tank codes for RID tanks (RID) : L4BN
Transport category (RID) : 1
Hazard identification number (RID) : 33

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions
Diethyl ether is not on the REACH Candidate List
Diethyl ether is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 1 or 2; ID No. 80)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed
SZW-lijst van mutagene stoffen : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

Diethyl ether

Safety Data Sheet

according to Regulation (EU) 2015/830
Date of issue: 13/09/2017 Version: 0.0
Doc. No: SDS-914.023/1



NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

Denmark

Class for fire hazard : Class I-1

Store unit : 1 liter

Classification remarks : F+ <Flam. Liq. 1>; Emergency management guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Flam. Liq. 1	Flammable liquids, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H224	Extremely flammable liquid and vapour.
H302	Harmful if swallowed.
H336	May cause drowsiness or dizziness.
EUH019	May form explosive peroxides
EUH066	Repeated exposure may cause skin dryness or cracking

SDS ISOLAB

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product