



Eurol Winterpakket

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 13-3-2020 Revision date: 13-3-2020 Version: 1.0

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

1.1. Product identifier

Product name : Eurol Winterpakket
Product code : E555000

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

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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1.4. Emergency telephone number

Emergency number : +31 79 3467 808
EVOFENEDEX

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111	
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111	

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Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 2

H225

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)

:



GHS02

CLP Signal word

: Danger

Hazard statements (CLP)

: H225 - Highly flammable liquid and vapour.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground and bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting equipment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P370+P378 - In case of fire: Use media other than water to extinguish.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethanol; ethyl alcohol substance with national workplace exposure limit(s) (GB, IE)	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	35 – 50	Flam. Liq. 2, H225 Eye Irrit. 2, H319

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethane-1,2-diol substance with national workplace exposure limit(s) (GB, IE, MT); substance with a Community workplace exposure limit	CAS-No.: 107-21-1 EC-No.: 203-473-3 EC Index-No.: 603-027-00-1 REACH-no: 01-2119456816-28	5 – 10	Acute Tox. 4 (Oral), H302 STOT RE 2, H373
butanone; ethyl methyl ketone substance with national workplace exposure limit(s) (GB, IE, MT); substance with a Community workplace exposure limit	CAS-No.: 78-93-3 EC-No.: 201-159-0 EC Index-No.: 606-002-00-3 REACH-no: 011-2119457290-43	0,1 – 1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

No additional information available

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

No additional information available

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

No additional information available

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6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

No additional information available

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

ethanol; ethyl alcohol (64-17-5)	
Ireland - Occupational Exposure Limits	
Local name	Ethanol
OEL (15 min ref) (ppm)	1000 ppm
United Kingdom - Occupational Exposure Limits	
Local name	Ethanol
WEL TWA (mg/m ³)	1920 mg/m ³
WEL TWA (ppm)	1000 ppm
WEL STEL (mg/m ³)	5760 mg/m ³ (calculated)
WEL STEL (OEL STEL) [ppm]	3000 ppm (calculated)
ethane-1,2-diol (107-21-1)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Ethylene glycol
IOELV TWA (mg/m ³)	52 mg/m ³
IOELV TWA (ppm)	20 ppm
IOELV STEL (mg/m ³)	104 mg/m ³
IOELV STEL (ppm)	40 ppm
Notes	Skin
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m ³)	52 mg/m ³
OEL (8 hours ref) (ppm)	20 ppm
OEL (15 min ref) (mg/m ³)	104 mg/m ³
OEL (15 min ref) (ppm)	40 ppm
Malta - Occupational Exposure Limits	
Local name	Ethylenglycol

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ethane-1,2-diol (107-21-1)	
OEL TWA (mg/m ³)	52 mg/m ³
OEL TWA (ppm)	20 ppm
OEL STEL (mg/m ³)	104 mg/m ³
OEL STEL (ppm)	40 ppm
United Kingdom - Occupational Exposure Limits	
Local name	Ethane-1,2-diol
WEL TWA (mg/m ³)	10 mg/m ³
WEL TWA (ppm)	20 ppm
WEL STEL (mg/m ³)	30 mg/m ³ (calculated)
WEL STEL (OEL STEL) [ppm]	40 ppm
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
butanone; ethyl methyl ketone (78-93-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Butanone
IOELV TWA (mg/m ³)	600 mg/m ³
IOELV TWA (ppm)	200 ppm
IOELV STEL (mg/m ³)	900 mg/m ³
IOELV STEL (ppm)	300 ppm
Ireland - Occupational Exposure Limits	
Local name	Methyl ethyl ketone (MEK)
OEL (8 hours ref) (mg/m ³)	600 mg/m ³
OEL (8 hours ref) (ppm)	200 ppm
OEL (15 min ref) (mg/m ³)	900 mg/m ³
OEL (15 min ref) (ppm)	300 ppm
Notes (IE)	Sk, IOELV
Malta - Occupational Exposure Limits	
Local name	Butanone
OEL TWA (mg/m ³)	600 mg/m ³
OEL TWA (ppm)	200 ppm
OEL STEL (mg/m ³)	900 mg/m ³
OEL STEL (ppm)	300 ppm
United Kingdom - Occupational Exposure Limits	
Local name	Butan-2-one (methyl ethyl ketone)
WEL TWA (mg/m ³)	600 mg/m ³
WEL TWA (ppm)	200 ppm
WEL STEL (mg/m ³)	899 mg/m ³
WEL STEL (OEL STEL) [ppm]	300 ppm

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butanone; ethyl methyl ketone (78-93-3)

Remark (WEL)

Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: liquid
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour Pressure 20°C	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

ethanol; ethyl alcohol (64-17-5)

LD50 oral rat	7060 – 10470 mg/kg
LD50 dermal rabbit	> 15800 mg/kg
LC50 Inhalation - Rat	51 mg/l/4h
LC50 Inhalation - Rat (Dust/Mist)	124,7 mg/l/4h

ethane-1,2-diol (107-21-1)

LD50 oral rat	4000 mg/kg
LD50 dermal rat	> 3500 ml/kg
LD50 dermal	> 3500 mg/kg
LC50 Inhalation - Rat	> 2,5 mg/l (6h)
LC50 Inhalation - Rat (Dust/Mist)	> 2,5 mg/l/4h (6h)

butanone; ethyl methyl ketone (78-93-3)

LD50 oral rat	2737 mg/kg
LD50 dermal rabbit	6480 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	34 mg/l/4h

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 : Not classified

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butanone; ethyl methyl ketone (78-93-3)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
ethane-1,2-diol (107-21-1)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
butanone; ethyl methyl ketone (78-93-3)	
NOAEC (inhalation, rat, gas, 90 days)	2500 ppmv/6h/day
Aspiration hazard	: Not classified

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

ethanol; ethyl alcohol (64-17-5)	
LC50 fish 1	12 – 16 ml/l (Oncorhynchus mykiss [static])
LC50 fish 2	> 100 mg/l (Pimephales promelas [static])
EC50 Daphnia 1	9268 – 14221 mg/l (Daphnia magna)
EC50 Daphnia 2	10800 mg/l (24 h; Daphnia magna)
Threshold limit algae 1	1450 mg/l (192 h; Microcystis aeruginosa)
Threshold limit algae 2	5000 mg/l (168 h; Scenedesmus quadricauda)
ethane-1,2-diol (107-21-1)	
LC50 fish 1	41000 mg/l (96h; Oncorhynchus mykiss)
LC50 fish 2	14 – 18 ml/l (96h; Oncorhynchus mykiss [static])
EC50 Daphnia 1	46300 mg/l (48h; Daphnia magna)
EC50 other aquatic organisms 1	6500 (6500 – 13000) mg/l (96h; Pseudokirchneriella Subcapitata)
Threshold limit algae 1	10000 mg/l (168 h; Scenedesmus quadricauda)
Threshold limit algae 2	2000 mg/l (192 h; Microcystis aeruginosa)
butanone; ethyl methyl ketone (78-93-3)	
LC50 fish 1	3130 – 3320 mg/l (96 h ; Pimephales promelas [flow-trough])
EC50 Daphnia 1	> 520 mg/l (48 h ; Daphnia magna)
EC50 Daphnia 2	5091 mg/l (48 h ; Daphnia magna)
EC50 72h - Algae [1]	1972 mg/l Pseudokirchneriella subcapitata

12.2. Persistence and degradability

ethanol; ethyl alcohol (64-17-5)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	0,8 – 0,967 g O ₂ /g substance
Chemical oxygen demand (COD)	1,7 g O ₂ /g substance

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ethanol; ethyl alcohol (64-17-5)	
ThOD	2,1 g O ₂ /g substance
BOD (% of ThOD)	0,43
ethane-1,2-diol (107-21-1)	
Persistence and degradability	Readily biodegradable in water. easily degradable in the soil.
Biochemical oxygen demand (BOD)	0,47 g O ₂ /g substance
Chemical oxygen demand (COD)	1,24 g O ₂ /g substance
ThOD	1,29 g O ₂ /g substance
BOD (% of ThOD)	0,36
butanone; ethyl methyl ketone (78-93-3)	
Biodegradation	98 % 28 d

12.3. Bioaccumulative potential

ethanol; ethyl alcohol (64-17-5)	
Log Pow	-0,31
ethane-1,2-diol (107-21-1)	
Log Pow	-1,36
Bioaccumulative potential	No bioaccumulation.
butanone; ethyl methyl ketone (78-93-3)	
Log Pow	≤ 4

12.4. Mobility in soil

ethanol; ethyl alcohol (64-17-5)	
Surface tension	0,022 N/m
Ecology - soil	Spillages may penetrate the soil causing ground water contamination. Completely miscible with water.
ethane-1,2-diol (107-21-1)	
Surface tension	0,048 N/m (20 °C)

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

No additional information available




SECTION 14: Transport information

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

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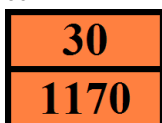
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 1170	Not regulated	Not regulated	UN 1170	UN 1170
14.2. UN proper shipping name				
ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	Not regulated	Not regulated	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Transport document description				
UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III, (D/E)	Not regulated	Not regulated	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III
14.3. Transport hazard class(es)				
3	Not regulated	Not regulated	3	3
	Not regulated	Not regulated		
14.4. Packing group				
III	Not regulated	Not regulated	III	III
14.5. Environmental hazards				
Dangerous for the environment: No	Not regulated	Not regulated	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (UN) : F1
 Special provisions (ADR) : 144, 601
 Limited quantities (ADR 2011) : 5I
 Excepted quantities (ADR) : E1
 Packing instructions (ADR) : P001, IBC03, LP01, R001
 Mixed packing provisions (ADR) : MP19
 Portable tank and bulk container instructions (ADR) : T2
 Portable tank and bulk container special provisions (ADR) : TP1
 Tank code (ADR) : LGBF
 Vehicle for tank carriage : FL
 Transport category (ADR) : 3
 Special provisions for carriage - Packages (ADR) : V12
 Special provisions for carriage - Operation (ADR) : S2
 Hazard identification number (Kemler No.) : 30
 Orange plates :



Tunnel restriction code (ADR) : D/E
 EAC code : •2YE

Transport by sea

Not regulated

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Air transport

Not regulated

Inland waterway transport

Classification code (ADN)	: F1
Special provisions (ADN)	: 144, 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 0

Rail transport

Classification code (RID)	: F1
Special provisions (RID)	: 144, 601
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T2
Portable tank and bulk container special provisions (RID)	: TP1
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE4
Hazard identification number (RID)	: 30

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2

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Full text of H- and EUH-statements

STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.

Safety Data Sheet (SDS), EU

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.