



WOLF ANTIFREEZE EVO LL

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 27/10/2023 Revision date: 09/04/2026 Supersedes version of: 04/11/2024 Version: 1.4

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

1.1. Product identifier

Product form : Mixture
Product name : WOLF ANTIFREEZE EVO LL
UFI : 2QSR-97H2-6N4F-07KS
Product code : 50054
Type of product : WOLF
Product group : Blend

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

Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use
Industrial/Professional use spec : Non-dispersive use
Used in closed systems
Function or use category : Liquid for car cooling circuit

1.3. Details of the supplier of the safety data sheet

WOLF OIL CORPORATION N.V.
Georges Gilliotstraat, 52
2620 Hemiksem, Antwerpen
België
T 0032 (0)3 870 00 00, F 0032 (0)3 870 00 99
msds@wolfoil.com, <https://www.wolflubes.com/>

1.4. Emergency telephone number

Emergency number : 0032 (0)3 870 00 00

Country/Area	Organisation	Emergency number
Ireland	National Poisons Information Centre. Beaumont Hospital. PO Box 1297. Beaumont Road 9.	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)
Israel	Israel Poison Information Center. Rambam Health Care Campus. 6 Ha'Aliya Street 31096.	+972 4 854 1900
Malta	Medicines & Poisons Info Office. Mater Dei Hospital. Msida MSD 2090 Msida.	112 +356 2545 6508
Sweden	Giftinformationscentralen. Box 60 500 171 76 Stockholm.	112 – begär Giftinformation +46 10 456 6700 (Från utlandet)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4 H302
Specific target organ toxicity – Repeated exposure, Category 2 H373
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

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

Hazard pictograms (CLP)



GHS07

GHS08

Signal word (CLP)

: Warning

Contains

: ethanediol

Hazard statements (CLP)

: H302 - Harmful if swallowed.

H373 - May cause damage to organs (kidneys) through prolonged or repeated exposure (on ingestion).

Precautionary statements (CLP)

: P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P260 - Do not breathe spray, vapours.

P270 - Do not eat, drink or smoke when using this product.

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	methyl-1H-benzotriazole (29385-43-1)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	methyl-1H-benzotriazole (29385-43-1)

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are 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 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethanediol	CAS-No.: 107-21-1 EC-No.: 203-473-3 EC Index-No.: 603-027-00-1 REACH-no: 01-2119456816-28	80 – 95	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) STOT RE 2, H373
disodium sebacate	CAS-No.: 17265-14-4 EC-No.: 241-300-3	2.5 – 5	Eye Irrit. 2, H319
methyl-1H-benzotriazole	CAS-No.: 29385-43-1 EC-No.: 249-596-6 REACH-no: 01-2119979081-35	0.1 – 0.5	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Repr. 2, H361 Aquatic Chronic 2, H411

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after skin contact	: For even minor contact, immediately remove contaminated clothing. Wash skin thoroughly with mild soap and water.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes. Seek medical attention if ill effect or irritation develops.
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/effects after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use.
Symptoms/effects after eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/effects after ingestion	: Harmful if swallowed.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry chemical product.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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5.3. Advice for firefighters

Precautionary measures fire	: Exercise caution when fighting any chemical fire.
Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment	: Wear suitable protective clothing and gloves.
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For emergency responders

Protective equipment	: Wear suitable protective clothing and gloves.
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6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up

- For containment : Impound and recover large spill by mixing it with inert granular solids.
Methods for cleaning up : Detergent. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.
Other information : Spill area may be slippery. Use suitable disposal containers.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.
Handling temperature : < 40 °C
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Storage area : Store in dry, cool, well-ventilated area.
Special rules on packaging : Packaging destined for the general public must be fitted with a tactile danger indication.
Packaging materials : Keep only in the original container.

Germany

- Storage class (LGK, TRGS 510) : LGK 10-13 - Other combustible and non-combustible substances

Switzerland

- Storage class (LK) : LK 6.1 - Toxic materials

7.3. Specific end use(s)

Anti-Freeze and De-icing products.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

WOLF ANTIFREEZE EVO LL	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL STEL	104 mg/m ³ @ 15 min. 40 ppm @ 15 min.
ethanediol (107-21-1)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	52 mg/m ³ 20 ppm
IOEL STEL	104 mg/m ³ 40 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	52 mg/m ³ 20 ppm

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ethanediol (107-21-1)	
OEL STEL	104 mg/m ³
	40 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	50 mg/m ³
	20 ppm
HTP (OEL STEL)	100 mg/m ³
	40 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	104 mg/m ³
CK (OEL STEL)	52 mg/m ³
Ireland - Occupational Exposure Limits	
OEL TWA	52 mg/m ³
	20 ppm
OEL STEL	40 mg/m ³
	104 ppm
Italy - Occupational Exposure Limits	
OEL TWA	52 mg/m ³
	20 ppm
OEL STEL	104 mg/m ³
	40 ppm
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	15 mg/m ³
NDSch (OEL STEL)	50 mg/m ³
Romania - Occupational Exposure Limits	
OEL TWA	52 mg/m ³
	20 ppm
OEL STEL	104 mg/m ³
	40 ppm
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	25 mg/m ³
	10 ppm
KGV (OEL STEL)	104 mg/m ³
	40 ppm
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	52 mg/m ³
	20 ppm
Korttidsverdi (OEL STEL)	104 mg/m ³
	40 ppm

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ethanediol (107-21-1)

Switzerland - Occupational Exposure Limits

MAK (OEL TWA)	26 mg/m ³
	10 ppm
KZGW (OEL STEL)	52 mg/m ³
	20 ppm

8.2. Exposure controls

Personal protection equipment

Personal protective equipment:

Safety glasses. Gloves.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses. Standard EN 166 - Personal eye-protection.

Skin protection

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

Hand protection:

Permeation time: minimum >480min long term exposure; material / thickness [mm]: >0,35 mm. Butyl rubber (IIR) / Polyvinylchloride (PVC) /

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: pink.
Appearance	: Liquid.
Odour	: mild. slight.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: -36 °C (ASTM D1177)
Boiling point	: > 170 °C
Flammability	: Not available
Explosive properties	: Product is not explosive.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 111 °C
Auto-ignition temperature	: > 400 °C
Decomposition temperature	: Not available
pH	: 8.1
pH solution	: ≥ 0
Viscosity, kinematic	: 1.89 mm ² /s @20°C
Viscosity, dynamic	: 2.03 cP @20°C
Solubility	: Miscible with water.
Partition coefficient n-octanol/water (Log Kow)	: Not available

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Vapour pressure	: 0.1 hPa
Vapour pressure at 50°C	: Not available
Density	: 1062 g/ml @20°C (ASTM D4052)
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

WOLF ANTIFREEZE EVO LL	
ATE CLP (oral)	1052.632 mg/kg bodyweight
ethanediol (107-21-1)	
LD50 oral rat	500 mg/kg
LD50 dermal rat	10000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	> 2.5 mg/l/4h @6h
disodium sebacate (17265-14-4)	
LD50 oral rat	> 5000 mg/kg (OECD TG 401)
LD50 dermal rat	> 2000 mg/kg (OECD TG 402)
methyl-1H-benzotriazole (29385-43-1)	
LD50 oral rat	720 mg/kg (OECD Guideline 401)

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methyl-1H-benzotriazole (29385-43-1)

LD50 dermal rabbit	> 2000 mg/kg (OECD Guideline 402)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 8.1
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 8.1
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)

methyl-1H-benzotriazole (29385-43-1)

In vitro	Negative
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)

ethanediol (107-21-1)

NOAEL (chronic, oral, animal/male, 2 years)	1000 mg/kg bodyweight
NOAEL (chronic, oral, animal/female, 2 years)	1500 mg/kg bodyweight
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: May cause damage to organs (kidneys) through prolonged or repeated exposure (on ingestion).

ethanediol (107-21-1)

NOAEL (oral, rat, 90 days)	220200 mg/kg bodyweight/day OECD 407
NOAEL (dermal, rat/rabbit, 90 days)	2220 mg/kg bodyweight/day OECD 410
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

methyl-1H-benzotriazole (29385-43-1)

NOAEL (subacute, oral, 28 days)	150 mg/kg bodyweight/day
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

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Viscosity, kinematic	1.89 mm ² /s @20°C
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11.2. Information on other hazards

Other information

Potential adverse human health effects and symptoms : Ingestion may cause nausea, vomiting and diarrhea

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

ethanediol (107-21-1)

LC50 - Fish [1]	72860 mg/l @96h; Pimephales promelas (EPA 600/4-90/027)
EC50 - Crustacea [1]	> 100 mg/l @48h; Daphnia magna (OECD 202)
EC50 96h - Algae [1]	> 6500 – < 13000 mg/l (EPA 600/9-78-018)
NOEC chronic fish	15380 mg/l @7d; Pimephales promelas (EPA 600/4-89/001)

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ethanediol (107-21-1)	
NOEC chronic crustacea	8590 mg/l Ceriodaphnia dubia (EPA 600/4-89/001)
disodium sebacate (17265-14-4)	
LC50 - Fish [1]	> 100 mg/l Danio rerio, OECD TG 203
EC50 - Crustacea [1]	> 100 mg/l Daphnia magna, OECD TG 202
EC50 72h - Algae [1]	38.7 mg/l Skeletonema costatum, ISO 10253
NOEC chronic algae	3 mg/l Skeletonema costatum, ISO 10253
methyl-1H-benzotriazole (29385-43-1)	
LC50 - Fish [1]	25.5 mg/l @96h, Pimephales promelas
LC50 - Fish [2]	65 mg/l @96h, Brachydanio rerio
LC50 - Other aquatic organisms [1]	55 mg/l @96h, Cyprinodon variegatus
EC50 - Crustacea [1]	87.4 mg/l @48h; Daphnia magna
EC50 - Crustacea [2]	8.58 mg/l @48h; Daphnia galeata
EC50 - Other aquatic organisms [1]	330 mg/l @0.1d; sludge
EC50 72h - Algae [1]	62 mg/l @72h; Scenedesmus quadricauda
NOEC chronic crustacea	18.4 mg/l @21d; Daphnia magna
NOEC chronic algae	30 mg/l

12.2. Persistence and degradability

WOLF ANTIFREEZE EVO LL	
Persistence and degradability	Prevent entry to sewers and public waters.
ethanediol (107-21-1)	
Persistence and degradability	Rapidly degradable
Biochemical oxygen demand (BOD)	0.47 g O ₂ /g substance
Chemical oxygen demand (COD)	1.29 g O ₂ /g substance
Biodegradation	90 %
disodium sebacate (17265-14-4)	
Persistence and degradability	Not rapidly degradable
Biodegradation	89 % 28d, OECD TG 306
methyl-1H-benzotriazole (29385-43-1)	
Persistence and degradability	Rapidly degradable
Biodegradation	4 % @28d (OECD TG 301 F)

12.3. Bioaccumulative potential

ethanediol (107-21-1)	
Bioconcentration factor (BCF REACH)	10
Partition coefficient n-octanol/water (Log Pow)	-1.36
disodium sebacate (17265-14-4)	
Partition coefficient n-octanol/water (Log Pow)	- 4.9 (@20 °C; 7,8 pH; OECD TG 105)

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methyl-1H-benzotriazole (29385-43-1)

Partition coefficient n-octanol/water (Log Pow)	≥ 1.081
Partition coefficient n-octanol/water (Log Kow)	≥ 1.079 – ≤ 1.083 @25°C

12.4. Mobility in soil

ethanediol (107-21-1)

Surface tension	49890 N/m @25°C
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disodium sebacate (17265-14-4)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.429 25 °C, QSAR
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12.5. Results of PBT and vPvB assessment

Component

Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	methyl-1H-benzotriazole (29385-43-1)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	methyl-1H-benzotriazole (29385-43-1)

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

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Other information	Presents no specific risk for the environment
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Additional information : Dispose in a safe manner in accordance with local/national regulations.

Norway

Waste code (Norsas AS) : [2] 7042 - Organic solvents without halogen

SECTION 14: Transport information

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

14.1. UN number or ID number

UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable

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Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

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REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer, Annex I-IV)

Regulation (EU) 2021/821 for the control of dual-use items

Contains no substance subject to the Regulation (EU) 2021/821 for the control of dual-use items

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

National regulations

Denmark

Danish National Regulations

: 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 it.
If an employee is pregnant or breastfeeding and the person in question uses or is exposed to this product at work, the employer must always carry out a risk assessment of the work. The assessment must both deal with the dangerousness of the impact and its strength and duration. The employer's decision that a pregnant or lactating woman can perform a specific work task must therefore be made in the context of her specific working conditions. See also WEA-Guideline A.1.8-7 on the working environment of pregnant and breastfeeding workers. Listed or contains substance(s) on the Denmark - Indicative list of organic solvents present in Annex 3.4.1 of the WEA Guidance C.0.1-1: Ethylene Glycol (1996) (107-21-1)

France

Occupational diseases	
Code	Description
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

Germany

Water hazard class (WGK)

: WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1).

Netherlands

SZW-lijst van kankerverwekkende stoffen

: None of the components are listed

SZW-lijst van mutagene stoffen

: None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding

: None of the components are listed

SZW-lijst van reprotoxische stoffen –

: None of the components are listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling

: None of the components are listed

Norway

Declaration number

: 680509

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Norwegian National Regulations

: 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.
Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals.

Poland

Polish National Regulations

: Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended).
Act of 14 December 2012 on Waste (J. o L. 2013, item 322 as amended).
The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).
Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923).
Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2019, item 382).
Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. of 3 July 2018, item 1286 as amended).
The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488).
Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166).
Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).
ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891)
Regulation of the Minister of Health of 25 August 2015 on the method of marking places, pipelines, and containers and tanks used for storing or containing hazardous substances or hazardous mixtures (J.o.L. 2015, item 1368 as amended)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
	Supersedes	Modified
	Revision date	Modified
4.1	First-aid measures after ingestion	Modified
4.1	First-aid measures after eye contact	Modified
4.1	First-aid measures after skin contact	Modified
4.1	First-aid measures after inhalation	Modified
7.1	Handling temperature	Added
7.1	Precautions for safe handling	Modified
7.2	Information on mixed storage	Removed
9	Density	Modified

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Indication of changes		
Section	Changed item	Comments
9	Freezing point	Modified
15.1	Norwegian National Regulations	Added
15.1	Declaration number	Added

Abbreviations and acronyms:	
	ACGIH: American Conference of Governmental Industrial Hygienists
	TWA: Time Weighted Average
	TLV: Threshold Limit Value
	ASTM: American Society for Testing and Materials
	ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route
	RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
	ADNR: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
	IMDG: International Maritime Dangerous Goods
	ICAO: International Civil Aviation Organization
	IATA: International Air Transport Association
	STEL: Short Term Exposure Limit
	LD50: median Lethal Dose for 50% of subjects
	ATE: acute toxicity estimate
	LC50: median Lethal Concentration for 50% of subjects
	EC50: concentration producing 50% effect

Other information

: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 2	Reproductive toxicity, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs (kidneys) through prolonged or repeated exposure (on ingestion).

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Full text of H- and EUH-statements:

H411	Toxic to aquatic life with long lasting effects.
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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.