

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 11/1/2020 Revision date: 10/22/2021 Version: 1.0

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

1.1. Product identifier

Product form Trade name

: Mixture : Diesel Additive

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

OPET FUCHS MADENİ YAĞ SAN. ve TİC. A.Ş. Atatürk Mahallesi İnönü Bulvarı No:52/19, TR 35800 Aliağa İzmir - Türkiye T +90 232 376 78 38 - F +90 232 376 78 39 <u>ehs@opetfuchs.com.tr</u> - <u>www.opetfuchs.com.tr</u> E-mail address of competent person responsible for the SDS : <u>eren.aktas@opetfuchs.com.tr</u>

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Turkey	Acil İlk Yardım Merkezi (Emergency First Aid Center)		112	
Turkey	İtfaiye (Fire Department)		110	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

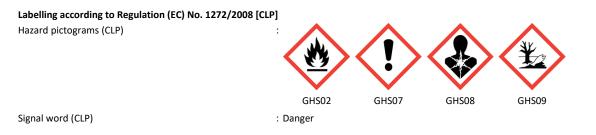
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3	H226
Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause drowsiness or dizziness. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

2.2. Label elements



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Hazard statements (CLP)	: H226 - Flammable liquid and vapour.
	H302 - Harmful if swallowed.
	H304 - May be fatal if swallowed and enters airways.
	H315 - Causes skin irritation.
	H319 - Causes serious eye irritation.
	H336 - May cause drowsiness or dizziness.
	H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
	P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. P391 - Collect spillage.

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]
	(CAS-No.) 64742-47-8 (EC-No.) 265-149-8	≥ 50 - < 80	Flam. Liq. 3, H226 Asp. Tox. 1, H304
2-butoxyethanol	(CAS-No.) 111-76-2 (EC-No.) 203-905-0	≥ 30 – < 50	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT RE 2, H373

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

SECTION 4: First aid measures		
4.1. Description of first aid measures		
First-aid measures general	: Call a physician immediately.	
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. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.	
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.	
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.	
4.2. Most important symptoms and effects, both acute and delayed		
Symptoms/effects	: May cause drowsiness or dizziness.	
Symptoms/effects after skin contact	: Irritation.	
Symptoms/effects after eye contact	: Eye irritation.	
Symptoms/effects after ingestion	: Risk of lung oedema.	

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

Treat symptomatically.

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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	: 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. Avoid contact with skin and eyes.	
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.		
6.3. Methods and material for containment and cl	eaning up	
For containment	: Collect spillage.	
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. Avoid contact with skin and eyes.
Hygiene measures	: Wash contaminated clothing before reuse. 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 inc	compatibilities
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

No additional information available

8.2. Exposure controls

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Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection: Protective gloves. EN 374. Nitrile rubber gloves Eye protection: Safety glasses Skin and body protection: Wear suitable protective clothing Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



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
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 41 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (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

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

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10.2. Chemical stability

Stable under normal conditions.

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

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

Diesel Additive	
ATE CLP (oral)	500 mg/kg bodyweight

(64742-47-8)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 5.28 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 0,42 -

2-butoxyethanol (111-76-2)	
LD50 oral rat	1746 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Ora Toxicity), 95% CL: 1322 - 2301
LD50 oral	1414 mg/kg bodyweight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
(64742-47-8)	
NOAEL (animal/male, F0/P)	≥ 3000 mg/kg bodyweight Animal: rat, Animal sex: male
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
(64742-47-8)	
NOAEL (oral, rat, 90 days)	750 mg/kg bodyweight Animal: rat, Animal sex: female

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NOAEC (inhalation, rat, vapour, 90 days)	≥ 0.024 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)
2-butoxyethanol (111-76-2)	
NOAEL (dermal, rat/rabbit, 90 days)	> 150 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
Aspiration hazard	: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

2-butoxyethanol (111-76-2)	
LC50 - Fish [1]	1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	≈ 1800 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	911 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	1840 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '21 d'

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

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	
Regional legislation (waste)	: Regulation on Incineration of Waste Materials published in the Official Journal numbered 27721 on October 6, 2010. Waste Management Regulation published in the Official Journal numbered 29314 on April 2, 2015. Disposal must be done according to official regulations.
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 / IMDG / IATA / ADN / RID

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ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
UN 1993	UN 1993	UN 1993	UN 1993	UN 1993
14.2. UN proper shipping na	ime		1	
FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	Flammable liquid, n.o.s.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.
Transport document description	n		1	I
UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III, MARINE POLLUTANT/ENVIRONMENTA LLY HAZARDOUS	UN 1993 Flammable liquid, n.o.s., 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1993 FLAMMABLE LIQUID N.O.S., 3, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class	(es)			
3	3	3	3	3
14.4. Packing group				
Ш	Ш	Ш	Ш	Ш
14.5. Environmental hazard	s			
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information a	available	I	1	1
	liser			
14.6. Special precautions for Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR)	: F1 : 274	ł, 601		
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR)	: F1	I, 601		
Overland transport Classification code (ADR) Special provisions (ADR)	: F1 : 274 : 51 : E1	I, 601)1, IBC03, LP01, R001		
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR)	: F1 : 274 : 51 : E1)1, IBC03, LP01, R001		
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR)	: F1 : 274 : 51 : E1 : POC : MP)1, IBC03, LP01, R001		
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR)	: F1 : 274 : 51 : E1 : POC : MP : instructions (ADR) : T4)1, IBC03, LP01, R001		
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container Portable tank and bulk container (ADR) Tank code (ADR)	: F1 : 274 : 51 : E1 : POC : MP instructions (ADR) : T4 : special provisions : TP1 : LGE)1, IBCO3, LPO1, ROO1 19 ., TP29		
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container Portable tank and bulk container (ADR) Tank code (ADR) Vehicle for tank carriage	: F1 : 274 : 51 : E1 : POC : MP instructions (ADR) : T4 special provisions : TP1 : LGE : FL)1, IBCO3, LPO1, ROO1 19 ., TP29		
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container Portable tank and bulk container (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR)	: F1 : 274 : 51 : E1 : POC : MP instructions (ADR) : T4 special provisions : TP1 : LGE : FL : 3	91, IBCO3, LPO1, ROO1 19 ., TP29 3F		
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container Portable tank and bulk container (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage - P	: F1 : 274 : 51 : E1 : POC : MP instructions (ADR) : T4 : special provisions : TP1 : LGE : FL : 3 : Yackages (ADR) : V12	91, IBCO3, LPO1, ROO1 19 ., TP29 3F		
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage - P	: F1 : 274 : 51 : E1 : POC : MP instructions (ADR) : T4 : special provisions : TP1 : LGE : FL : 3 Packages (ADR) : V12 Operation (ADR) : S2	91, IBCO3, LPO1, ROO1 19 ., TP29 3F		
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Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage - P Special provisions for carriage - C Hazard identification number (Ke	: F1 : 274 : 51 : E1 : POC : MP instructions (ADR) : T4 : special provisions : TP1 : LGE : FL : 3 Packages (ADR) : V12 Operation (ADR) : S2	1, IBCO3, LPO1, ROO1 19 ., TP29 3F 2 30 1993		
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage - P Special provisions for carriage - C Hazard identification number (Ke Orange plates	: F1 : 274 : 51 : E1 : POC : MP instructions (ADR) : T4 · special provisions : TP1 : LGE : FL : 3 · ackages (ADR) : V12 · peration (ADR) : S2 emler No.) : 30	1, IBCO3, LPO1, ROO1 19 ., TP29 3F 2 30 1993		
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage - P Special provisions for carriage - C Hazard identification number (Ke Orange plates	: F1 : 274 : 51 : E1 : POC : MP instructions (ADR) : T4 special provisions : TP1 : LGE : FL : 3 Packages (ADR) : V12 Operation (ADR) : S2 emler No.) : 30 : D/E	1, IBCO3, LPO1, ROO1 19 ., TP29 3F 2 30 1993		
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage - P Special provisions for carriage - C Hazard identification number (Ke Orange plates	: F1 : 274 : 51 : E1 : POC : MP instructions (ADR) : T4 · special provisions : TP1 : LGE : FL : 3 · ackages (ADR) : V12 · peration (ADR) : S2 emler No.) : 30 : D/E : D/E : • 3Y	1, IBCO3, LPO1, ROO1 19 ., TP29 3F 2 30 1993		
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container Portable tank and bulk container (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage - P Special provisions for carriage - C Hazard identification number (Ke Orange plates Tunnel restriction code (ADR) EAC code Transport by sea	: F1 : 274 : 51 : E1 : POC : MP instructions (ADR) : T4 · special provisions : TP1 : LGE : FL : 3 · ackages (ADR) : V12 · peration (ADR) : S2 emler No.) : 30 : D/E : D/E : • 3Y	11, IBCO3, LPO1, ROO1 19 ., TP29 3F 2 30 1993 5 4 5		

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Packing instructions (IMDG)	: LP01, P001	
IBC packing instructions (IMDG)	: IBC03	
Tank instructions (IMDG)	: T4	
Tank special provisions (IMDG)	: TP1, TP29	
EmS-No. (Fire)	: F-E	
EmS-No. (Spillage)	: S-E	
Stowage category (IMDG)	: A	
Air transport		
PCA Excepted quantities (IATA)	: E1	
PCA Limited quantities (IATA)	: Y344	
PCA limited quantity max net quantity (IATA)	: 10L	
PCA packing instructions (IATA)	: 355	
PCA max net quantity (IATA)	: 60L	
CAO packing instructions (IATA)	: 366	
CAO max net quantity (IATA)	: 220L	
Special provisions (IATA)	: A3	
ERG code (IATA)	: 3L	
Inland waterway transport		
Classification code (ADN)	: F1	
Special provisions (ADN)	: 274, 601	
Limited quantities (ADN)	: 5L	
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)	: 274, 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)	: T4	
Portable tank and bulk container special provisions (RID)	: TP1, TP29	
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 I	Marpol and the IBC Code	

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

Not regulated

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

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15.1.2. National regulations	
Germany	
Regulatory reference	: WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)
Employment restrictions	: Observe restrictions according Act on the Protection of Working Mothers (MuSchG)
	Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)
Netherlands	
SZW-lijst van kankerverwekkende stoffen	: is listed
SZW-lijst van mutagene stoffen	: is listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: None of the components are listed
Denmark	
Class for fire hazard	: Class II-1
Store unit	: 5 liter
Classification remarks	: R10 <h226;h302;h304;h315;h319;h336;h411>; Emergency management guidelines for the storage of flammable liquids must be followed</h226;h302;h304;h315;h319;h336;h411>
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 the product
Switzerland	
Storage class (LK)	: LK 3 - Flammable liquids
15.2. Chemical safety assessment	
No chamical safety assessment has been carried out	

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
vPvB	Very Persistent and Very Bioaccumulative
TLM	Median Tolerance Limit
STP	Sewage treatment plant
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
PNEC	Predicted No-Effect Concentration
РВТ	Persistent Bioaccumulative Toxic
OECD	Organisation for Economic Co-operation and Development
NOEC	No-Observed Effect Concentration
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
SDS	Safety Data Sheet
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
LOAEL	Lowest Observed Adverse Effect Level
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level

Safety Data Sheet

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

DPD	Dangerous Preparations Directive 1999/45/EC
DSD	Dangerous Substances Directive 67/548/EEC
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
	Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013. 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. ECHA (European Chemicals Agency). Supplier's safety documents.
	DISCLAIMER OF LIABILITY 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
Н332	Harmful if inhaled.
Н336	May cause drowsiness or dizziness.
Н373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

SDS EU (REACH EK II) HEA1

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