SAFETY DATA SHEET

according to regulation of Europian parliament and Council (ES) number 1907/2006
according Committee regulation (EU) number 878/2020

Date of Issue:	10. 05. 2024	Version number:	1	No. of pages: 9
Revision date:		Replaces version:	-	
Product name:	**ETERNAL ODMAŠŤOVAČ DIRECT**			

1. Section 1: Identification of substance/mixture and of the company/undertaking

1.1 Product identifier: **ETERNAL ODMAŠŤOVAČ DIRECT**

The product is not a nanoform, nor does it contain any nanoforms.

UFI code: **EQY1-SS5D-YD1U-CADW**

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

1.2.1 Relevant identified use:

Life cycle phases:	PW (wide use by professionals - basic) C (consumer use)
Usage Name:	SU0
Other usage description:	Cleaning agent, degreasing agent
Market description:	PC35
Contributing Activity Name:	non-industrial spraying techniques
Contributing activities descriptor:	PROC11
More information:	technical function of the product in this use: Cleaning agent, degreasing agent
	quantity to use: 0 - 10 t / yr
	Regulatory status by use: No
	a limited number of devices for this use: No
	the subsequent period of use relevant to this use: 24 months
	an overview of environmental release categories for each life cycle stage: ERC2; ERC8a; ERC8d; ERC10a; ERC11a
	supplied as a mixture

1.2.2 Uses advised against: all other uses

1.3 Details of the supplier of the safety data sheet:

Producer and supplier:	**AUSTIS a. s.**
Adress:	**K Austisu 680, 154 00 PRAHA 5 - Slivenec**
Telephone number:	**+420 251 099 111**
Fax:	**+420 251 099 112**
e-mail	austis@austis.cz

1.4 Emergency telephone number: +420 251 099 247 +420 725 491 378

Centre of the Toxicologicaly information Na Bojišti 1, 120 00 Prague 2, CZ **Tel.: +420 224 919 293**

2. Section 2: Hazard identification

2.1 Classification of the substance or mixture: The mixture is classified as dangerous.

Classification under Regulation 1272/2008/EU:
Skin Irrit. 2; H315
Eye Irrit. 2; H319
Aquatic Chronic 3; H412

2.2 Label elements

Symbols: **GHS07**

Signal word: **Warning**

It contains a hazardous substance: 2-Aminoethan-1-ol, quaternary ammonium compounds

Hazard Statement:
H318: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.

	Precautionary Statement:	P102: Keep out of reach of children. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302+P352: IF ON SKIN: Wash with plenty of soap and water. P337+P313: If eye irritation persists: Get medical advice/ attention. P333+P313: If skin irritation or rash occurs: Get medical advice/ attention. P501: Dispose of contents/container in accordance with the relevant national legislation.
	Composition according to (EC) 648/2004:	Less than 5 % nonionic surfactants, amphoteric surfactants, cationic surfactants, phosphonates.
2.3	Other hazards:	The mixture does not meet criteria to be classified as PBT or vPvB substances. The mixture is not endocrine disruptor, nor does it contain any.
	Other risks:	Not Assigned

3. Section 3: Composition / information on ingredients

An aqueous solution of surfactants, phosphonates and excipients.

3.2 Mixtures

Chemical name:	**2-Aminoethane-1-ol**	**Propane-2-ol**
Content [%]:	< 1	< 1
Index number:	603-030-00-8	603-117-00-0
CAS:	141-43-5	67-63-0
EC number (EINECS):	205-483-3	200-661-7
REACH Registration number:	01-2119486455-28-0XXX	01-2119457558-25-0XXX
Classification according to Directive 1272/2008/EU:	Acute Tox. 4; H302 Acute Tox. 4; H312 Acute Tox. 4; H332 Skin Corr. 1B; H314 STOT SE 3; H335	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (inhalace)
Specific concentration limits, M-factors:	STOT SE 3; H335: C ≥ 5 %	Not Assigned
	Not Assigned	Established Exposure limit EH40/2005 (WELs)

Chemical name:	**2-(2-butoxyethoxy)ethanol**	**(C12-14)-ALKYLDIMETHYL-ETHYLBENZYLAMMONIUM CHLORIDE**
Content [%]:	0,5 - 0,7	0,1 - 0,2
Index number:	603-096-00-8	Not Assigned
CAS:	112-34-5	85409-23-0
EC number (EINECS):	203-961-6	287-090-7
REACH Registration number:	01-2119475104-44-0XXX	01-2120771812-51-0XXX
Classification according to Directive 1272/2008/EU:	Eye Irrit. 2; H319	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Specific concentration limits, M-factors:	Not Assigned	Not Assigned
	Established Exposure limit EH40/2005 (WELs)	Not Assigned

Chemical name:	**Quaternary ammonium compounds, benzyl-C12-16 (even-numbered)-alkyldimethyl, chlorides**
Content [%]:	0,1 - 0,2
Index number:	Not Assigned
CAS:	68391-01-5
EC number (EINECS):	269-919-4
REACH Registration number:	Not Assigned
Classification according to Directive 1272/2008/EU:	Acute Tox. 4, H302 Skin Corr. 1C, H314 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Specific concentration limits, M-factors:	Not Assigned

Full text of H - phrases in Section 16

4. Section 4: First aid measures

4.1 Description of first aid measures

When providing first aid it is necessary to ensure safety of both victim and person rescuing. It is necessary to avoid chaotic behavior. Victim must be kept in mental and physical rest. Victim must be kept warm and must not get chilled. Take original container with label or safety data sheet with information about substance or mixture with you in case of medical examination.

Inhalation: Break exposure, move to fresh air protecting the victim from cold. Provide medical treatment especially if coughing, shortness of breath or other symptoms persist.

When on skin: Put away contaminated clothes and shoes, wash the contaminated spot with plenty of tepid water; if the skin is not irritated, soap can be used; seek doctor's advice, especially if the skin stays irritated.

Eye Contact: Rinse eyes with plenty of water (10 to 15 min). Keep eyes open (even by force if necessary). If the victim is wearing contact lenses remove them immediately. Seek medical attention.

Ingestion: Do not induce vomiting! Drink at least 0,5 liters of water with 5 to 10 tablets of crushed charcoal. In case of nausea contact the Toxicology Information Centre for need of medical treatment with information about composition of the mixture from the original container or SDS.

4.2 Most important symptoms and effects, both acute and delayed

The product may have adverse effects through inhalation and if swallowed. It can irritate skin, mucous membranes and eyes.

4.3 Indication of any immediate medical attention and special treatment needed: Symptomatic treatment

5. Section 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: The product is not inflammable. Water spray (water mist), foam, carbon dioxide, dry powder.

Unsuitable extinguishing media: The strong water current. It can be spread fire.

5.2 Specific danger linked to the substance or mixture: Burning may produce carbon oxides and nitrogen oxides.

5.3 Advice for firefighters: wear a breathing apparatus and protective clothing.

6. Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Appropriate protective gloves, goggles, appropriate clothing, or respirator.

6.1.1 For workers except for those intervening in emergency cases - instructions in case of accidental spill and leak of substance or mixture:

a) use of appropriate protection (including personal protective equipment according to part 8 BL), in order to avoid any skin, eyes or personal clothing contamination;

b) removing possible sources of ignition, providing proper ventilation, control of dust - not relevant

c) emergency measures, for example necessary evacuation from dangerous area or consultation with an expert - not relevant

6.1.2 For workers intervening in emergency cases - instructions for appropriate materials of personal protective suits (see part 8 BL)

6.2 Environmental precautions: Prevent environmental pollution - leakage into drains, surface water, groundwater or soil.

6.3 Methods and materials for limitation of leaks and for cleaning:

6.3.1 Instructions for leak limitation of spilled substance or mixture

a) enclose the spilled mixture, cover the canalization;

b) seal the damaged package

6.3.2 Instructions for removal of spilled substance or mixture

Absorb with appropriate agent, hand over to authorized person for disposal.

6.4 Reference to other sections: See also section 7., 8 and 13.

7. Section 7: Handling and storage

7.1 Measures for safe manipulation:

7.1.1 Recomendations:

a) Workers handeling the product have to get familiar with health and safety rules for work and have to obey these rules. Secure escape routs (enclosing of leaked mixture, sealing of demaged packages and so on), for fire prevention (remove ignition sources, non-sparkling tools and so on) andlimit the production of aerosol and dust.

b) Obey measures for prevention of manipulation with incompatible substances or mixtures (see part 10) in common areas.

c) Store in original closed packages in temperature from +5 to +25 °C, do not expose to temperature under 0 °C (not even in short term). Do not expose to direct sunlight or other heat sources.

d) Prevent the contamination of environment, i.e. leak into canalization, surface or underground water and soil.

7.1.2 Instructions for general hygiene of work:

a) Do not eat, drink or smoke on work areas.

b) After working with product wash your hands with soap and water, eventualy use regeneration hand cream.

c) Before entering dining areas, remove contaminated clothing and protective equipment.

7.2 Conditions for safe storage of substances and mixtures including incompatible substances and mixtures: Store in dry and well-ventilated storages in original closed packages in temperatures from +5 to +25 °C, do not expose to temperature under 0 °C (not even in short term). Do not expose to direct sunlight or other heat sources. Prevent any contact with oxidazing substances, strong acids and bases. Do not store with food, drinks and feed. The product is not a flamable liquid according to ČSN 65 0201.

7.3 Specific end use: see part 1.2; coating procedure and recomendations are listed in technical list of the product, or in other product documentation.

8. Section 8: Exposure controls / personal protection

8.1 Control parameters:

Exposure limits EH40/2005 (WELs):

Chemical name:	**2-Aminoethane-1-ol**	**2-(2-butoxyethoxy)ethanol**
CAS:	141-43-5	112-34-5
Long-term exposure limit [mg/m^3] (TWA/8 h)	2,5 (1 ppm)	67,5 (10 ppm)
Short-term exposure limit [mg/m^3] (15 minut)	7,6 (3 ppm)	101,2 (15 ppm)
Comments:	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.	Not Assigned

Chemical name:	**propane-2-ol**
CAS:	67-63-0
Long-term exposure limit [mg/m^3] (TWA/8 h)	999 (400 ppm)
Short-term exposure limit [mg/m^3] (15 minut)	1250 (500 ppm)
Comments:	Not Assigned

2-Aminoethane-1-ol (ES: 205-483-3):	
DNEL (Workers, Hazard via inhalation route, Local effects, Long term exposure)	3,3 mg/m^3
DNEL (Workers, Hazard via dermal route, Systemic effects, Long term exposure)	1 mg/kg bw/day
DNEL (General Population, Hazard via inhalation route, Local effects, Long term exposure)	2 mg/m^3
DNEL (General Population, Hazard via dermal route, Systemic effects, Long term exposure)	0,24 mg/kg bw/day
DNEL (General Population, Hazard via oral route, Systemic effects, Long term exposure)	3,75 mg/kg bw/day
propane-2-ol (ES: 200-661-7):	
DNEL (Workers, Hazard via inhalation route, Systemic effects, Long term exposure)	500 mg/m^3
DNEL (Workers, Hazard via dermal route, Systemic effects, Long term exposure)	888 mg/kg bw/day
DNEL (General Population, Hazard via inhalation route, Systemic effects, Long term exposure)	89 mg/m^3
DNEL (General Population, Hazard via dermal route, Systemic effects, Long term exposure)	319 mg/kg bw/day
DNEL (General Population, Hazard via oral route, Systemic effects, Long term exposure)	26 mg/kg bw/day
PNEC aqua (freshwater)	140,9 mg/L
PNEC aqua (marine water)	140,9 mg/L
PNEC STP	2251 mg/L
PNEC sediment (freshwater)	552 mg/kg (sediment dw)
PNEC sediment (marine water)	552 mg/kg (sediment dw)
PNEC soil	28 mg/kg (soil dw)
PNEC oral (Hazard for predators)	160 mg/kg food
2-(2-butoxyethoxy)ethanol (ES: 203-961-6)	
DNEL (Workers, Hazard via inhalation route, Systemic effects, Long term exposure)	67,5 mg/m^3
DNEL (Workers, Hazard via inhalation route, Systemic effects, Acute/short term exposure)	101,2 mg/m^3
DNEL (Workers, Hazard via dermal route, Systemic effects, Long term exposure)	83 mg/kg bw/day
NOAEL (Workers, Hazard via dermal route, Systemic effects, Long term exposure)	2000 mg/kg bw/day
DNEL (General Population, Hazard via inhalation route, Systemic effects, Long term exposure)	40,5 mg/m^3
DNEL (General Population, Hazard via inhalation route, Systemic effects, Acute/short term exposure)	60,7 mg/m^3
DNEL (General Population, Hazard via dermal route, Systemic effects, Long term exposure)	50 mg/kg bw/day
NOAEL (General Population, Hazard via dermal route, Systemic effects, Long term exposure)	2000 mg/kg bw/day
DNEL (General Population, Hazard via oral route, Systemic effects, Long term exposure)	5 mg/kg bw/day
NOAEL (General Population, Hazard via oral route, Systemic effects, Long term exposure)	200 mg/kg bw/day
PNEC aqua (freshwater)	1,1 mg/L
PNEC aqua (marine water)	0,11 mg/L
PNEC STP	200 mg/L

	PNEC sediment (freshwater)	4,4 mg/kg sediment dw
	PNEC sediment (marine water)	0,44 mg/kg sediment dw
	PNEC soil	0,32 mg/kg soil dw
	PNEC oral (Hazard for predators)	56 mg/kg food
	(C12-14)-ALKYLDIMETHYLETHYLBENZYLAMMONIUM CHLORIDE (ES: 287-090-7):	
	DNEL (Workers, Hazard via inhalation route, Local effects, Long term exposure)	1 mg/m^3
	DNEL (General Population, Hazard via inhalation route, Local effects, Long term exposure)	1 mg/m^3

8.2 Exposure controls

Ensure adequate ventilation. Ensure protective equipment is worn while working with the product. Contaminated work clothes can be reused after thorough cleaning. Wash your hands and face with soap and water after use. Do not eat, drink or smoke while working with the product.

8.2.1 Appropriate engineering controls: Observe the usual precautions to protect the health and well-ventilated.

8.2.2 Individual protection measures, such as personal protective equipment:

Occupational exposure is governed by Directive 89/686/EEC therefore any use of personal protective equipment must be in accordance with this Regulation.

a) Eyes and face protection: Suitable safety goggles (EN 166), face shiled.

b) Skin protection: Common safety clothing with long sleave and shoes; take of the contaminated clothing and wash your skin with soap and water.

b-1) Hands protection: suitable protective gloves (made from rubber - according to EN 374), wash your hands with soap and water after work,

c) Airways protection: with proper area ventilation not required. When spraying, face half-shiled is recomended for gass filtration (EN 405) or quarter-shiled with gass filter (EN 140, EN 141).

d) Heat hazard: Special attention must be paid to construction of personal protective measures, when specifying protective measures for protection against materials, which are considered to be heat hazard. Not relevant for this product.

8.2.3 Environmental exposure controls: Avoid infiltration of surface and groundwater and soil.

9. Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a) State	low viscosity liquid
b) Color	clear colorless liquid
c) Odour:	after the raw materials used
Odor threshold:	Not specified
d) Melting/Freezing point (temperature range) (°C):	Not specified
e) Boiling point or initial boiling point and boiling range (°C)	approximately 100
f) Combustibility:	non-flammable liquid
g) Explosion limints: upper limit (% volume):	Not specified
lower limit (% volume):	Not specified
h) Point of ignition:	Not specified
i) Temperature of self-ignition:	Not specified
j) Temperature of decomposition (°C):	Not specified
k) pH (at 23 °C):	approximately 11,6
l) Kinematic viscosity:	Not specified
m) Solubility (23 °C)	
- with water:	unlimited miscibility with water
- with fats:	Not specified
n) Partition coefficient n - octanol/water:	Not specified
o) Steam pressure (20 °C):	Not specified
p) Density and/or relative density (20 °C):	approximately 1,0 g.cm^{-3}
q) Relative viscosity of steam (at °C):	Not specified
r) Particles characteristics:	Not specified

9.2 Other information:

9.2.1	Information about class of physical hazard:	not relevant
9.2.2	Other safety characteristics	
	Evaporation rate:	Not specified
	Dynamic viscosity:	Not specified
	Explosive properties:	Not specified
	Oxidizing properties:	Not specified
	The content of organic solvents; total organic carbon content (TOC):	0,057 kg/kg

10. Section 10: Stability and reactivity

Product is stable under recommended storage and handling conditions.

10.1 Reactivity: Product is not reactive under recommended storage and handling conditions.

10.2 Chemical stability: Product is stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions: In case of contact with substances reacting dangerously with water.

10.4 Conditions to avoid: Temperatures below 0 °C and above 100 °C cause degradation of the product. Temperatures above recommended storage temperature reduce life of the product.

10.5 Incompatible materials: Avoid contact with oxidizing agents, strong acids and bases.

10.6 Hazardous Decomposition Products: Burning may produce carbon oxides and nitrogen oxides.

11. Section 11: Toxicological information

11.1 Information about hazard classes acording to (ES) č. 1272/2008

a) acute toxicity:	For the mixture not determined	the classification cirteria are not met based on avilable information
- LD_{50}, oral, rat ($mg.kg^{-1}$) (2-Aminoethane-1-ol):	1515	the classification cirteria are not met based on avilable information
- LD_{50}, dermal, rat or rabbit ($mg.kg^{-1}$) (2-Aminoethane-1-ol):	> 2000	the classification cirteria are not met based on avilable information
- LD_{50}, dermal, rat or rabbit ($mg.kg^{-1}$) ((C12-14)-ALKYLDIMETHYL-ETHYLBENZYL AMMONIUM CHLORIDE):	3412	the classification cirteria are not met based on avilable information
- LC_{50}, inhalation, rat, for gases and vapours ($mg.kg^{-1}$) (2-Aminoethan-1-ol):	> 1,3	the classification cirteria are not met based on avilable information

b) corrosivity/skin irritation:	Causes skin irritation.
c) serious eye damage / eyes irritation:	Causes serious eye irritation.
d) sensitivity of airways / sensitivity of skin:	the classification cirteria are not met based on avilable information
e) germ cells mutagenicity:	the classification cirteria are not met based on avilable information
f) carcinogenicity:	the classification cirteria are not met based on avilable information
g) toxicity for reproduction:	the classification cirteria are not met based on avilable information
h) toxicity for specific organs - single exposure:	the classification cirteria are not met based on avilable information
i) toxicity for specific organs - multiple exposures:	the classification cirteria are not met based on avilable information
j) hazards while inhaled:	the classification cirteria are not met based on avilable information
Human experience:	No detrimental effects were found upon compliance with the prescribed safety measures.
Tests on animals:	Were not performed
11.1.1 Information for each hazard class or breakdown:	see above
11.1.2 Toxicological properties of mixture	not avilable
2-Aminoethane-1-ol (ES: 205-483-3), propane-2-ol (ES: 200-661-7), 2-(2-butoxyethoxy)ethanol (ES: 203-961-6) and (C12-14)-ALKYLDIMETHYLETHYLBENZYLAMMONIUM CHLORIDE (ES: 287-090-7)	see part 8
11.1.3 If enough information from substance/mixture trials exist, it might be necessary to sum up results of used studies, for example according to exposure run	not relevant
11.1.4 If the classification criteria are not met for specific hazard class, information explaining the justification should be stated.	relevant concentration limits were not exceeded
11.1.5 Information about likely exposure run	see part 11.1
11.1.6 Symptoms corresponding to physical, chemical and toxicological features	see part 11.1
11.1.7 Belated and immediate effects and chronical effects of short/long term exposure	see part 11.1
11.1.8 Interactive effects	unknown
11.1.9 Lack of specific data	not relevant
11.1.10 Mixtures	see part 8
11.1.11 Mixtures information compared to substance information	
1) Substances in the mixture can react with each other inside of a body and can cause different levels of absorption, metabolism and	
2) It is necessary to consider, if concentration of each substance is sufficient to contributeto mixture´s effects on health. For each substance	
a) if the information are doubled, they are listed only once for a substance as a whole, for example when two different substances are causing vomiting and diarrhea;	Not relevant for this mixture.
b) if it is not likely the effects will appear with current concentrations, for example when weak irritating substance is disolved in non-irritating solution to a level under certain concentration;	Not relevant for this mixture.
c) if the information about mutual effects of substances in the mixture are unavilable, no assumptions will be listed and instead effects on healtf of each substance will be listed.	see part 8
11.1.12 Additional data:	None

11.2 Other hazards information

11.2.1	Features causing disruption of endocrinal systém	Not relevant for this mixture.
11.2.2	Other information	None

12. Section 12: Ecological information

12.1	Toxicity	Harmful to aquatic life with long lasting effects.
	Acute toxicity for water organisms:	For the mixture not determined for individual ingredients: BENZALKONIUMCHLORIDE: - LC_{50}, 96 hours, fish (Pimephales promelas): 0,515 mg/l - LC_{50}, 48 hours, (Daphnia magna): 0,0161 mg/l - EC_{50}, 96 hours, algae (Selenastrum capricornutum): > 969 mg/l (C12-14)-ALKYLDIMETHYLETHYLBENZYLAMMONIUM CHLORIDE: - LC_{50}, 96 hours, fish: Not Assigned - EC_{50}, 48 hours, invertebrates: 0,016 mg/l - IC_{50}, 72 hours, algae: Not Assigned - NOEC, algae: Not Assigned
12.2	Persistence and degradability:	Biodegradability of surfactants in the mixture meets the requirements of Regulation EC 648/2004.
12.3	Bioaccumulative potential:	Due to the high water solubility is bioaccumulation in organisms unlikely.
12.4	Mobility in soil:	In water and soil, the product is soluble and mobile. In case of rain, possible contamination of river beds.
12.5	Results of PBT and vPvB	The mixture does not meet the criteria for classification as PBT or vPvB.
12.6	Features causing disruption of endocrinal systém	Unknown for this mixture
12.7	Other adverse effects:	See Section 2
	Additional data:	Water hazard class 1. Low water hazard (Self-assessment). The product must not leak to surface and groundwater. Notify competent authorities immediately in case of an accident.

13. Section 13: Disposal considerations

13.1 Methods of waste management:

a) Appropriate methods of substance, mixture and contaminated packaging disposal: Proceed in accordance with applicable regulations. Do not mix with household waste. Diluted with plenty of water. Discharge into the sewer is permitted after neutralization under conditions laid down by water authorities.

b) Physical / chemical properties that can affect means of waste handling: Liquid mixture is completely miscible with water.

c) Avoidance of disposal through sewer: Discharge into the sewer is permitted according to the conditions laid down by water authorities.

d) Special precautions for the recommended waste management: Avoid contact with skin and eyes.

Examples of classification according to the Waste Catalog:	Unused product - 160305 Organic wastes containing dangerous substances. Category N Used preparation - classifies the waste generator according to the legislation on the basis of the properties of the generated waste. May be classified as 110113 Degreasing wastes containing dangerous substances. Category N. Contaminated packaging - 150110 Packaging containing residues of or contaminated by dangerous substances. Category N

14. Section 14: Transport information

14.1	UN number or ID number	Not specified
	Required shipping label:	
	ADR/RID/ADN:	Not specified
	IMDG:	Not specified
	ICAO TI:	Not specified
14.2	Proper name of the United Nations for the shipment	
	ADR/RID/ADN:	Not specified
	IMDG:	Not specified
	ICAO TI:	Not specified
14.3	Transport hazard class(es):	
	ADR/RID/ADN:	Not specified
	IMDG:	Not specified
	ICAO TI:	Not specified
14.4	Packing group:	
	ADR/RID/ADN:	Not specified
	IMDG:	Not specified
	ICAO TI:	Not specified

14.5	Environmental hazards:	Not specified
14.6	Special precautions for user:	See Section 8
	Special provisions (ADR):	Not specified
14.7	Naval mass-transport according to instrumenst IMO:	Not applicable
	Notes:	None
	Additional data:	None

15. Section 15: Regulatory information

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

Regulation of the European Parliament and Council Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals establishing a European Chemicals Agency, as amended

Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 (CLP) as amended

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents

Commision directive (EU) No. 878/2020

EH40/2005 Workplace exposure limits (second edition, published 2011). Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations (as amended)

15.2 Assessment chemical safety of mixture: Were not performed

16. Section 16: Other informations

Information stated in this safety data sheet is based on the current knowledge of EU legislation. It is recommendation in terms of health and safety as well as recommendation related to ecological matters that are essential to safe usage of the product.

a) New edition.

b) key or legend for abbreviations and accronyms used in the safety data sheet:

LD_{50}	The lethal dose for 50 % mortality of the test population relative to a control sample.
LC_{50}	Lethal concentration for 50 % mortality of the test population relative to a control sample.
EC_{50}	Effective concentration for 50 % mortality of the test population relative to a control sample.
EC_{10}	Effective concentration for 10 % mortality of the test population relative to a control sample.
IC_{50}	Inhibitory concentration to reduce the growth or growth rate of 50% of the test population relative to a control sample.
LL_{50}	Lethal loading doses of test substance resulting in 50% mortality
EL_{50}	Effective loading doses of test substance resulting in 50% mortality
PBT	Persistent, bioaccumulative and toxic substances.
vPvB	Very persistent and very bioaccumulative substances.
DNEL	Derived No Effect Level - derived concentration of the substance without adverse effects
DMEL	Derived Minimum Effect Level - derived minimum level at which the adverse effects
NOAEL	No Observed Adverse Effect Level - no negative effect was observed
PNEC	Predicted No Effect Concentration - an estimate of the concentration of the substance without adverse effects
NOELR	No Observed Effect Loading Rate - dosage rate without observed effect
NOEC	No Observed Effect Concentration - concentration without observed effect
NOEL	No Observed Effect Level - level without observed effect
LOEC	Lowest Observed Effect Concentration - lowest concentrations with observable effects
ADR	European Agreement concerning the international carriage of dangerous goods by road.
RID	Regulations concerning the international carriage of dangerous goods by rail.
IMDG	International maritime code of dangerous goods.
ICAO	The International Civil Aviation Organization.
IATA	International Air Transport Association.
GHS	Globally Harmonized System of Classification and Labelling of Chemical substances.

c) important references to literature and data sources

Initial data sources are safety data sheets of the inherent (components).

d) in case of mixture, statement about evaluation method used for classification according to article 9 of directive (ES) number 1272/2008

For evaluation purposes, principles of extrapolation were used. Calculation methods.

e) List of H-sentences, whose full form is not listed in other parts.

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Guidelines for training:

As required by national legislation.

Recommended restrictions on use (i. e. non-statutory recommendations by supplier):

Product should not be used for other purposes than specified (see section 1.2). Because specific conditions of use are beyond supplier's control it is responsibility of the user to adapt notifications to local law and regulations. Safety information describe the product with regard to safety and can not be considered technical information about the product.

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