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WC CLEANER

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SEC	TION 1: Identification of th	e substan	ce/mixture and of the co	mpany/underta	aking
1.1	Product identifier				
	Name:	WC CLEA	EANER		
	UFI code: n	ot required	l		
	Registration number:	loes not hav	ve – mixture		
1.2	Relevant identified uses of th	e substanc	e or mixture and uses advis	sed against	
	Identified uses: t	oilet cleane	r		
			ture only for the purposes sp		nufacturer. Otherwise, the
1.3	Details of the supplier of the sa		exposed to unpredictable ris	sks.	
1.5		•			
		lumdakin			
			8380 Trige, Denmark		
		45 6014 1			
		nfo@humd	akın.com		
1.4	Emergency telephone numbe	r			
1.7	Danish Poison Center (Giftlinje		12 1212		
	Danish Environmental Protecti			ense C, Telephon	e: +45 72 54 44 66
SEC	TION 2: Hazards identificat	tion			
2.1	Classification of the substanc	e or mixtu	re		
			The mixture is classified as	dangerous.	
	Classification 1272/2008/WE:		Aquatic Chronic 3, H412		
	Dangerous health effects:		not classified		
	Dangerous effects on the environment:		Harmful to aquatic life with long lasting effects.		
	Dangerous physical-chemical effects:		not classified		
2.2	Label elements				
	Hazard pictogram:	No	Not applicable.		
	Signal word:	No	Not applicable.		
	Hazard statement:	H4	H412 Harmful to aquatic life with long lasting effects.		
			102 Keep out of reach of children.		
			273 Avoid release to the environment.		
]		P391 Collect spillage. P501 Dispose of contents / container to a hazardous waste area or place		
	Additional information:		empty container in municipal waste after emptying and rinsing. EUH208 Contains 1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8- octahydronaphthalen-2-yl)ethanone and Hexyl salicylate. May produce an		
	Marking according to EC 649/		allergic reaction.		
			<5% anionic surfactant, <5% amphoteric surfactant, preservative (2-phenoxyethan-1-ol) and perfume.		
2.3	Other hazards	1.8			
	The mixture is not assessed as	PBT or vPv	иВ.		
SEC	TION 3: Composition/inform	mation or	ingredients		
3.1	Substances				
3.2	Does not apply. Mixtures				
3.4	Aqueous surfactant solution:				
	Substance identifier		CAS number EC number Index number Registration number	Content (%)	Classification 1272/2008

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Alcohols, C12-14, ethoxylated, sulphates, sodium salt *	68891-38-3 500-234-8 - 01-2119488639-16	≤3,0	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
2-Phenoxyethan-1-ol	122-99-6 204-589-7 603-098-00-9 01-2119488943-21	≤1,0	Acute Tox. 4, H302 Eye Irrit. 2, H319
1-Propanaminium, 3-amino-N- (carboxymethyl) -N, N-dimethyl-, N-C8- 18 acyl derivatives, hydroxides, inert salt ***	- 931-296-8 - 01-2119488533-30	<1,0	Eye Dam. 1, H318 Aquatic Chronic 3, H412
Sorbitan monooleate, ethoxylated	9005-65-6 - - -	≤1,0	Aquatic Chronic 3, H412
1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8- octahydronaphthalen-2-yl)ethanone	54464-57-2 259-174-3 - -	≤0,3	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410
4-(2,6,6-Trimethylcyclohex-1-en-1-yl)but- 3-en-2-one	14901-07-6 238-969-9 - -	≤0,1	Aquatic Chronic 2, H411
2-Isobutyl-4-methyltetrahydro-2H-pyran- 4-ol	63500-71-0 405-040-6 603-101-00-3 -	≤0,1	Eye Irrit. 2, H319
Hexyl salicylate	6259-76-3 228-408-6 - -	≤0,1	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,6-Dimethyloct-7-en-2-ol	18479-58-8 242-362-4 - -	≤0,025	Skin Irrit. 2, H315 Eye Irrit. 2, H319
E-Oxacyclohexadec-12(+13)-en-2-one	111879-80-2 422-320-3 -	≤0,025	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4-(2,6,6-Trimethylcyclohex-2-en-1-yl)but- 3-en-2-one	127-41-3 204-841-6 -	≤0,025	Aquatic Chronic 2, H411
(Z)-3-hexenyl salicylate	65405-77-8 265-745-8 -	≤0,025	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
β-methyl-3-(1-methylethyl)- benzenepropanal	125109-85-5 412-050-4 605-028-00-2	<0,01	Aquatic Chronic 2, H411
1,3-Benzodioxole-5-carbaldehyde	120-57-0 204-409-7 -	<0,01	Skin Sens. 1, H317

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3-(4-Isopropylph	enyl)-2-methylpropanal	103-95-7 203-161-7 -	<0,01	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412
2E-3,7-Dimethyl	octa-2,6-dien-1-ol	106-25-2 203-378-7 -	<0,01	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318
Dodecan-1-ol		112-53-8 203-982-0 -	<0,01	Eye Irrit. 2, H319 Aquatic Acute 1, H400
3,7-Dimethylocta	a-2,6-dien-1-yl acetate	141-12-8 205-459-2	<0,01	Skin Sens. 1, H317
5-heptyloxolan-2	-one	104-67-6 203-225-4 -	<0,01	Aquatic Chronic 3, H412
p-methoxybenza	ldehyde	123-11-5 204-602-6 -	<0,01	Aquatic Chronic 3, H412
Allyl(cyclohexyl	oxy)acetate	68901-15-5 272-657-3	<0,01	Acute Tox. 4, H302 Aquatic Chronic 1, H410
3-methyl-5-phen	yl-1-pentanol	55066-48-3 259-461-3 -	<0,01	Acute Tox. 4, H302 STOT RE 2, H373
3,7-Dimethylocta	an-3-ol	78-69-3 201-133-9 -	<0,01	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319
3-methylbutyl ac	etate	123-92-2 204-662-3	<0,01	Lam. Liq. 3, H226
1,1-Dimethyl-2-p	phenylethyl acetate	151-05-3 205-781-3 -	<0,01	Skin Irrit. 2, H315 Aquatic Chronic 3, H412
1-Phenylethanon	e	98-86-2 202-708-7 606-042-00-1	<0,01	Acute Tox. 4, H302 Eye Irrit. 2, H319
Benzophenone		119-61-9 204-337-6 -	<0,01	STOT RE 2, H373 Aquatic Chronic 2, H411
1,1-Dimethyl-2-p	bhenylethyl acetate	151-05-3 205-781-3	<0,01	Skin Irrit. 2, H315 Aquatic Chronic 3, H412

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by regulation (EC) No 1907/2006 REACH

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*) The ***) Si For the SECTI 4.1 D If Ir S	Substance has specific conc e full text of the H-Stateme ION 4: First aid measu Description of first aid me f you do not feel well aft ecovery position and get n nhalation: Skin contact:	entration limits: ents mentioned in ires easures er exposure or if nedical attention. Remove victim t	Do not give anything by m	%, Eye Irrit. 2; F 6. k medical atten	H319: 4% $<$ C \leq 10% tion. If unconscious, place in
*) The ***) Sr For the SECT 4.1 D If <u>re</u> S	e substance has specific con- bubstance has specific con- e full text of the H-Statemed ION 4: First aid measu Description of first aid me f you do not feel well aft ecovery position and get me nhalation: Skin contact:	entration limits: ents mentioned in ires easures er exposure or if nedical attention. Remove victim t	200-578-6 - : Eye Dam. 1; H318: $C \ge 1$ Eye Dam. 1; H318: $C > 109$ this Section, see Section 1 E the problem persists, see Do not give anything by m	0%, Eye Irrit. 2 %, Eye Irrit. 2; F 6. k medical atten	Eye Irrit. 2, H319 ; H319: 5% <c <10%<br="">H319: 4% <c 10%<="" td="" ≤=""></c></c>
***) Sr For the SECTI 4.1 D If re In S	Substance has specific conce e full text of the H-Statement ION 4: First aid measur Description of first aid measur f you do not feel well aft ecovery position and get mean the statement manual statement of the statement with the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of t	entration limits: ents mentioned in ires easures er exposure or if nedical attention. Remove victim t	Eye Dam. 1; H318: C> 109 this Section, see Section 1 the problem persists, see Do not give anything by m	%, Eye Irrit. 2; F 6. k medical atten	tion. If unconscious, place in
4.1 D If <u>re</u> Ir S	Description of first aid mo f you do not feel well aft ecovery position and get n nhalation: Skin contact:	easures er exposure or if nedical attention. Remove victim t	Do not give anything by m		
If re Ir S	f you do not feel well aft ecovery position and get n nhalation: kkin contact:	er exposure or if nedical attention. Remove victim t	Do not give anything by m		
re Ir S	ecovery position and get n nhalation: kin contact:	nedical attention. Remove victim t	Do not give anything by m		
S	skin contact:		o fresh air keen calm and y		blem persists, see a doctor.
E		value or omm			of water. Wash contaminated
		clothing before r Immediately flus	euse. Seek medical attentionsh eyes with plenty of water	n if irritation pe er for at least 15	
	-	Do not induce vo immediately.	omiting. Rinse mouth with		1-2 dl of water. Call a doctor
	Most important symptom The following symptoms m		th acute and delayed contact with eyes burning, t	earing, redness.	
	Indication of any immediate medical attention and special treatment needed				
S	pecial funds are not intend	led. Treatment is	symptomatic.		
SECT	ION 5: Firefighting m	easures			
5.1 E	Extinguishing media				
S	uitable extinguishing med	ia: CO ₂ , e	extinguishing powder, extin	iguishing foam,	sand
U	Unsuitable extinguishing m	edia: Full st	stream of water		
Т	Special hazards arising fr The mixture is not classific tases may be formed.			oxide, carbon m	nonoxide and other hazardous
5.3 A U	Advice for firefighters	otective device. C	Collect contaminated fire fi	ghting water se	parately. It must not enter the
SECT	ION 6: Accidental rele	ase measures			
R co U	Personal precautions, protective equipment and emergency procedures Restrict unauthorized access to the accident area until the accident is rectified. Ensure adequate ventilation. Avoid contact with skin and eyes. Follow the rules and regulations of work safety when working with chemical products. Use personal protective equipment. Do not breathe vapors or aerosols.				
D	Environmental precaution Do not allow to enter sewer ppropriate authorities.		und water. If the product le	eaks into water of	or sewage system inform
6.3 N A	lethods and material for	material (sand, d	liatomite, acid binders, univ	versal binders).	Keep in a suitable container
6.4 R	Reference to other section section 8 and 13.				

SECTION 7: Handling and storage

7.1 **Precautions for safe handling**

Ensure good ventilation in the workplace. Avoid contact with skin and eyes. Do not breathe vapors / aerosols. Wash hands after use. For personal protection see section. 8. Do not drink, eat or smoke while using the product.

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7.2	Conditions for safe storage, including any incompatibilities Store in original, tightly closed containers in a well-ventilated, dry and cool place. Do not eat, drink or smoke in areas where the product is stored and used. Store at room temperature.
7.3	Specific end use(s)
	Detergent for dishes.
SEC.	· •
	CTION 8: Exposure controls/personal protection
8.1	Control parameters
	exposure limits are not set
	Alcohols, C12-14, ethoxylated, sulphates, sodium salt CAS: 68891-38-3
	DNEL
	Workers Inhalation Systemic effects Long-term 175 mg / m3
	Workers Dermal Systemic effects Long term 2750 mg / kg / day
	Consumers Inhalation Systemic effects Long-term 52 mg / m3
	Consumers Dermal Systemic effects Long term 1650 mg / kg / day
	Consumers Oral Systemic effects Long-term 15 mg / kg / day
	PNEC
	Fresh water Sea water Intermittent release Wastewater treatment plants (WWTP) Freshwater sediment Sea sediment Soil Food chain
	0.24 mg / 1 0.024 mg / 1 0.071 mg / 1 10 g / 1 0.9168 mg / kg 0.09168 mg / kg 7.5 mg / kg no effect 2-Phenoxyethan-1-ol CAS: 122-99-6
	DNEL
	Field of application Route of administration Effect Exposure time Value
	Workers Inhalation Systemic effects Long term 8.07 mg / m3
	Workers Inhalation Local effects Long term 8.07 mg / m3
	Workers Dermal Systemic effects Long term 20.83 mg / kg / day
	Consumers Inhalation Systemic effects Long-term 2.41 mg / m3
	Consumers Inhalation Local effects Long-term 2.41 mg / m3
	Consumers Dermal Systemic effects Long term 10.42 mg / kg / day
	Consumers Oral Systemic effects Long term 9.23 mg / kg / day
	Consumers Oral Systemic effects Acute / short-term 9.23 mg / kg / day PNEC
	Fresh water Sea water Wastewater treatment plants (WWTP) Freshwater sediment Sea sediment Air Soil Food chain
	0.943 mg / 10.094 mg / 124.8 mg / 17.237 mg / kg 0.724 mg / kg not determined 1.26 mg / kg no effect 1-Propanaminium, 3-amino-N- (carboxymethyl) -N, N-dimethyl-, N-C8-18 acyl derivative, hydroxides, inert salt ES: 931-296-8
	DNEL
	Field of application Route of administration Effect Exposure time Value
	Workers Inhalation Systemic effects Long-term 44 mg / m3
	Workers Dermal Systemic effects Long-term 12.5 mg / kg / day
	Consumers Dermal Systemic effects Long-term 7.5 mg / kg / day
	Consumers Oral Systemic effects Long-term 7.5 mg / kg / day PNEC
	Fresh water Sea water Sewage treatment plants (WWTP) Freshwater sediment Sea sediment Soil Food chain 0.013 mg / 10.001 mg / 13,000 mg / 11 mg / kg 0.1 mg / kg 0.8 mg / kg no effect
3.2	Exposure controls
	Ensure adequate ventilation. After work, wash your hands thoroughly with water. Do not eat, drink or smoke whil working.
	The monitoring procedure for the content of substances in the air of workplaces and the specifications of protective equipment are determined by the worker responsible for occupational safety and health protection.

Individual protection measures, such as personal protective equipment		
Respiratory protection:	Not necessary if concentration limits are observed (organic vapor respirator). In the	
	event of an accident or fire, wear self-contained breathing apparatus.	
Eye protection:	Wear safety goggles if there is a risk of eye contact	
Hand protection:	Safety gloves	

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1	Skin protection: Protective clothing and foot	W00*		
	Thermal hazard: It's not			
	Environmental exposure controls			
	Prevent leakage to the sewage system, surface waters, u	nderground waters and soil.		
SEC	TION 9: Physical and chemical properties			
9.1	Information on basic physical and chemical properti	es		
	Physical state	Liquid		
	Colour	After raw materials		
	Odour	After steam (fresh)		
	Melting point/freezing point (°C):	Information is not available		
	Boiling point or initial boiling point and boiling range (°C):	Information is not available		
	Flammability	Information is not available		
	Lower and upper explosion limit	Information is not available		
	Flash point (°C):	Information is not available		
	Auto-ignition temperature	Information is not available		
	Decomposition temperature	Information is not available		
	рН	Information is not available		
	Kinematic viscosity	Information is not available		
	Solubility	Information is not available		
	Partition coefficient n-octanol/water (log value)	Information is not available		
	Vapour pressure	Information is not available		
	Density and/or relative density	Information is not available		
	Relative vapour density	Information is not available		
	Particle characteristics	Information is not available		
9.2	Other information			
	Information is not available			
SEC	TION 10: Stability and reactivity			
10.1	Reactivity			
1	The product is not reactive under normal conditions.			
10.2	Chemical stability			
10.2	Chemical stability The mixture is stable under normal ambient conditions a	and anticipated temperature and pressure conditions during		
	Chemical stability The mixture is stable under normal ambient conditions a storage and handling.	and anticipated temperature and pressure conditions during		
	Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions	and anticipated temperature and pressure conditions during		
10.3	Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known.	and anticipated temperature and pressure conditions during		
10.3	Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid	and anticipated temperature and pressure conditions during		
10.3 10.4	Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost.	and anticipated temperature and pressure conditions during		
10.3 10.4	Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials	and anticipated temperature and pressure conditions during		
10.3 10.4 10.5	Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials Strong oxidizing agents, strong acids and bases.	and anticipated temperature and pressure conditions during		
10.3 10.4 10.5	Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials Strong oxidizing agents, strong acids and bases. Hazardous decomposition products	and anticipated temperature and pressure conditions during		
10.3 10.4 10.5 10.6	Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials Strong oxidizing agents, strong acids and bases.	and anticipated temperature and pressure conditions during		
10.3 10.4 10.5 10.6	Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials Strong oxidizing agents, strong acids and bases. Hazardous decomposition products They do not arise spontaneously.	and anticipated temperature and pressure conditions during		
10.3 10.4 10.5 10.6 SEC	Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials Strong oxidizing agents, strong acids and bases. Hazardous decomposition products They do not arise spontaneously. TION 11: Toxicological information	and anticipated temperature and pressure conditions during		
10.3 10.4 10.5 10.6 SEC	Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials Strong oxidizing agents, strong acids and bases. Hazardous decomposition products They do not arise spontaneously. TION 11: Toxicological information Information on toxicological effects			
10.3 10.4 10.5 10.6 SEC	 Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials Strong oxidizing agents, strong acids and bases. Hazardous decomposition products They do not arise spontaneously. TION 11: Toxicological information Information on toxicological effects a) Acute toxicity Based on available data, the classification criteria - LD50 oral, rat (mg / kg) data for mixture not available	are not met.		
10.3 10.4 10.5 10.6 SEC	 Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials Strong oxidizing agents, strong acids and bases. Hazardous decomposition products They do not arise spontaneously. TION 11: Toxicological information Information on toxicological effects a) Acute toxicity Based on available data, the classification criteria - LD50 oral, rat (mg / kg) data for mixture not available 4 100 - CAS 68891-38-3	are not met.		
10.3 10.4 10.5 10.6 SEC	 Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials Strong oxidizing agents, strong acids and bases. Hazardous decomposition products They do not arise spontaneously. TION 11: Toxicological information Information on toxicological effects a) Acute toxicity Based on available data, the classification criteria - LD50 oral, rat (mg / kg) data for mixture not available 4 100 - CAS 68891-38-3 1850 - 2-phenoxyethan-1-ol	are not met.		
10.3 10.4 10.5 10.6 SEC	 Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials Strong oxidizing agents, strong acids and bases. Hazardous decomposition products They do not arise spontaneously. TION 11: Toxicological information Information on toxicological effects a) Acute toxicity Based on available data, the classification criteria - LD50 oral, rat (mg / kg) data for mixture not available 4 100 - CAS 68891-38-3 1850 - 2-phenoxyethan-1-ol 2 335 - ES 931-296-8	are not met.		
10.3 10.4 10.5 10.6 SEC	 Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials Strong oxidizing agents, strong acids and bases. Hazardous decomposition products They do not arise spontaneously. TION 11: Toxicological information Information on toxicological effects a) Acute toxicity Based on available data, the classification criteria - LD50 oral, rat (mg / kg) data for mixture not available 4 100 - CAS 68891-38-3 1850 - 2-phenoxyethan-1-ol 2 335 - ES 931-296-8 - LD50 dermal, rat or rabbit (mg / kg) data are not available	are not met.		
10.3 10.4 10.5 10.6 SEC	Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials Strong oxidizing agents, strong acids and bases. Hazardous decomposition products They do not arise spontaneously. TION 11: Toxicological information Information on toxicological effects a) Acute toxicity Based on available data, the classification criteria - LD50 oral, rat (mg / kg) data for mixture not available 4 100 - CAS 68891-38-3 1850 - 2-phenoxyethan-1-ol 2 335 - ES 931-296-8 - LD50 dermal, rat or rabbit (mg / kg) data are not avail > 2,000 - CAS 68891-38-3 (rat)	are not met.		
10.3 10.4 10.5 10.6 SEC	Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials Strong oxidizing agents, strong acids and bases. Hazardous decomposition products They do not arise spontaneously. TION 11: Toxicological information Information on toxicological effects a) Acute toxicity Based on available data, the classification criteria - LD50 oral, rat (mg / kg) data for mixture not available 4 100 - CAS 68891-38-3 1850 - 2-phenoxyethan-1-ol 2 335 - ES 931-296-8 - LD50 dermal, rat or rabbit (mg / kg) data are not avail > 2,000 - CAS 68891-38-3 (rat) 14 391 - 2-phenoxyethan-1-ol (rat)	are not met.		
10.3 10.4 10.5 10.6 SEC	Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials Strong oxidizing agents, strong acids and bases. Hazardous decomposition products They do not arise spontaneously. TION 11: Toxicological information Information on toxicological effects a) Acute toxicity Based on available data, the classification criteria - LD50 oral, rat (mg / kg) data for mixture not available 4 100 - CAS 68891-38-3 1850 - 2-phenoxyethan-1-ol 2 335 - ES 931-296-8 - LD50 dermal, rat or rabbit (mg / kg) data are not avail > 2,000 - CAS 68891-38-3 (rat) 14 391 - 2-phenoxyethan-1-ol (rat) > 2,000 - ES 931-296-8 (rat)	are not met.		
10.3 10.4 10.5 10.6 SEC	Chemical stability The mixture is stable under normal ambient conditions a storage and handling. Possibility of hazardous reactions They are not known. Conditions to avoid Protect from frost. Incompatible materials Strong oxidizing agents, strong acids and bases. Hazardous decomposition products They do not arise spontaneously. TION 11: Toxicological information Information on toxicological effects a) Acute toxicity Based on available data, the classification criteria - LD50 oral, rat (mg / kg) data for mixture not available 4 100 - CAS 68891-38-3 1850 - 2-phenoxyethan-1-ol 2 335 - ES 931-296-8 - LD50 dermal, rat or rabbit (mg / kg) data are not avail > 2,000 - CAS 68891-38-3 (rat) 14 391 - 2-phenoxyethan-1-ol (rat)	are not met.		

			SAFETY DATA SHEET by regulation (EC) No 1907/2006 REACH	Date of issue: 27.10.2021 Date of revision: -
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		Irritating to s OECD 404)	ailable data, the classification criteria are not met. skin - mean erythema score = 2.89 and mean edema score = 2.33 - CAS	
		not irritating	- mean scores of erythema = 0.1 and edema = 0 - 2-phenoxyethan-1-ol - average score of erythema = 0 and edema = 0 - ES 931-296-8 (OECI	
	c)	Based on ava eye irritant -	damage/irritation ailable data, the classification criteria are not met. 2-phenoxyethan-1-ol (OECD 405, rabbit)	ES 021 207 9
	d)	Respiratory	effects on the eye - Substance classified as seriously damaging to the ey or skin sensitisation	/es - ES 931-296-8
		Contains 1-(2 May produce not sensitizin not sensitizin	ailable data, the classification criteria are not met. 2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8- octahydronaphthalen-2-yl)ethanon e an allergic reaction. ng - CAS 68891-38-3 (guinea pig, maximization test) ng - 2-phenoxyethan-1-ol (guinea pig, maximization test) ng - ES 931-296-8 (guinea pig, maximization test)	e and Hexyl salicylate.
	e)	Germ cell m Based on ava CAS 68891- 2-phenoxyet	ailable data, the classification criteria are not met. 38-3 - negative (OECD 471) han-1-ol - negative (OECD 476)	
	f)	ES 931-296- Carcinogeni	8 - negative (mouse lymphoma L5178Y cells)	
	1)	Based on ava NOAEL = 24	ailable data, the classification criteria are not met. 49 mg / kg - 2-phenoxyethan-1-ol (rat, OECD 451)	
	g)	NOAEL> 30	ve toxicity ailable data, the classification criteria are not met. 00 mg / kg - CAS 68891-38-3 (rat, oral) oprox. 375 mg / kg - 2-phenoxyethan-1-ol (mouse, oral)	
	h)	STOT-single Based on av	e exposure ailable data, the classification criteria are not met.	
	i)	STOT-repea	ated exposure ilable data, the classification criteria are not met.	
	NOA		/ kg, target organs: liver - CAS 68891-38-3 (rat, oral, 90 d)	
			g / kg - 2-phenoxyethan-1-ol (rat, oral)	
			g / kg - 2-phenoxyethan-1-ol (rabbit, dermal) g / kg - 2-phenoxyethan-1-ol (rat, inhalation, aerosol, 6 h)	
	NOE	EL = 75 mg / 1	kg - ES 931-296-8	
	<u>i)</u>	L = 150 mg/ Aspiration I	kg - ES 931-296-8 nazard	
	•	Based on ava	ilable data, the classification criteria are not met.	
			Information is not available	
			gical information	
12.1		-	c life with long lasting effects.	
	Fish LC5 NOE LC5 NOE LC5 NOE Crus EC5 EC5 NOE	data for the r 0, 96 h, Danio 3C, Leeciscus 0, 96 hours, C 3C, 34 d., Gre 0, 96 hours, C 3C, 37 d., Rain stacean data f 0, Daphnia Pu 0, 48 hours, D 3C, 21 d., Dap	nixture are not available o rerio: 7.1 mg / 1 - CAS 68891-38-3 idus: 1-10 mg / 1 - CAS 68891-38-3 Great Crested Grebe (Pimephales promelas): 344 mg / 1 - 2-phenoxyetha at Crested Grebe (Pimephales promelas): 23 mg / 1 - 2-phenoxyethan-1 Great Crested Grebe (Pimephales promelas): 1.1 mg / 1 - ES 931-296-8 nbow trout (Oncorhynchus mykiss): 0.135 mg / 1 - ES 931-296-8 for the mixture are not available ilex: 7.4 mg / 1 - CAS 68891-38-3 Daphnia Magna: 36 mg / 1 - CAS 68891-38-3 Daphnia Magna: 0.1-1 mg / 1 - CAS 68891-38-3 Daphnia Magna: > 500 mg / 1 - 2-phenoxyethan-1-ol	

by regulation (EC) No 1907/2006 REACH
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[NOEC, 21 d., Daphnia Magna: 9.43 mg / 1 - 2-phenoxyethan-1-ol	
	EC50, 48 hours, Daphnia Magna: 6.5 mg / 1 - ES 931-296-8	
	NOEC, 21 d., Daphnia Magna: 0.932 mg / 1 - ES 931-290-8	
	Algae data for the mixture are not available	
	EC50, 72 hours, Green alga (Desmodesmus subspicatus): 27.7 mg/1 - CAS 68891-38-3	
	EC50, 72 hours, Green alga (Desmodesmus subspicatus):> 10 - 100 mg / 1 - CAS 68891	-38-3
	NOEC, Algae: 0.95 mg / 1 - CAS 68891-38-3	
	EC50, 72 hours, Green alga (Desmodesmus subspicatus):> 500 mg / 1 - 2-phenoxyethan-	
	NOEC, 72 hours, Green alga (Desmodesmus subspicatus):> 500 mg / 1 - 2-phenoxyethan	
	EC50, 72 hours, Green alga (Desmodesmus subspicatus): approx. 14.7 mg / 1 - ES 931-2	96-8
	Bacteria data for the mixture are not available	
	EC50, 16 hours, Bacteria (Pseudomonas putida):> 10 g / 1 - CAS 68891-38-3	
	EC10, Bacteria (Pseudomonas putida):> 10 g / 1 - CAS 68891-38-3	
	EC10, 17 hours, Bacteria (Pseudomonas putida): 320 g / 1 - 2-phenoxyethan-1-ol	
	Soil data for the mixture are not available	
	LC50, 14 d., Manure earthworm (Eisenia fetida):> 1,000 mg / kg soil - 2-phenoxyethan-	1-ol
	Plants data for the mixture are not available	
	EC50, 19 d., Brassica napus: 34 mg / kg soil - 2-phenoxyethan-1-ol	
12.2	Persistence and degradability	
	Not determined for the mixture.	
	The surfactant (s) contained in this preparation complies (comply) with the biodegradabi	lity criteria as laid down in
	Regulation (EC) No. 1907/2006. 648/2004 on detergents.	
	CAS 68891-38-3: rapidly biodegradable:> 70% in 28 days (OECD 301 A)	
	2-phenoxyethan-1-ol: rapidly biodegradable:> 90% in 15 days (loss of dissolved organic	carbon, OECD 301 A),
	98% in 3 days (loss of dissolved organic carbon, OECD 301 A)	
	ES 931-296-8: rapidly biodegradable: 87.2% in 28 days (CO2 evolution, EPA OPPTS 8:	35.3120 (Sealed Vessel
	Carbon Dioxide Production Test))	
12.3	Bioaccumulative potential	
	not determined for the mixture	
	CAS 68891-38-3: log Pow = -1.38	
	2-phenoxyethan-1-ol: BCF = 0.349 (calculation)	
	2-phenoxyethan-1-ol: log Pow = $1.2 (23 \circ C, pH = 5, 7, 9)$	
	ES 931-296-8: BCF = 3 (C8 derivatives), BCF = 71 (C10-C18 and C18 unsaturated derivatives)	vatives)
12.4	Mobility in soil	
	not determined for the mixture	
	CAS 68891-38-3: Koc = 191	
	2-phenoxyethan-1-ol: $\log \text{Koc} = 1.6$	
	ES 931-296-8: Koc = approx. 320 (C12 derivatives)	
12.5	Results of PBT and vPvB assessment	
12.00	The mixture is not assessed as PBT or vPvB.	
12.6	Endocrine disrupting properties	
12.0	They are not.	
12.7	Other adverse effects	
1 <i>4</i> ,/	Do not allow undiluted product or large quantities of it to reach ground water, water cou	rse or sewage system
	Flushing large amounts into drains or watercourses can lead to an increase in pH, which	
	ecosystems.	will affect pri-sensitive
~ ~ ~	· · ·	
	FION 13: Disposal considerations	
13.1	Waste treatment methods	
	a) Suitable methods for removing the mixture and contaminated packaging:	
	Hand over the marked waste for disposal to a specialized company authorized for t	his activity. Dispose of
	waste in accordance with the Waste Act. Perfectly cleaned packaging can be recycl	led.
	Possible waste code	
	20 01 29 * Detergents containing dangerous substances	
	15 01 02 Plastic packaging	
	b) Specify the physical/chemical properties that may affect waste treatment options	
	information is not available	
	c) Discourage sewage disposal	
	information is not available	

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	d) Iidentify, where ap information is not	propriate, any special precautions	s for any recommended waste	treatment option
SEC	TION 14: Transport			
~	-			
141	The product is not dang UN number or ID nur			
<u>14.1</u> 14.2				
14.2	UN proper shipping n Ground transportation Al			
	Railway transportation R	ID		
	Naval transport IMDG:	Not restricted		
	Air transport ICAO/IATA	:		
14.3	Transport hazard clas			
	ADR	RID	IMDG:	ICAO/IATA:
	Not applicable	Not applicable	Not applicable	Not applicable
14.4	Packing group			
	ADR	RID	IMDG:	ICAO/IATA:
	Not applicable	Not applicable	Not applicable	Not applicable
14.5	Environmental hazar			
		rdous to the environment during	transport.	
14.6	Special precautions fo	r user		
	Not applicable			
14.7		bulk according to IMO instru	nents	
	Information is not avail	able		
SEC	TION 15: Regulatory	information		
15.1	Safety, health and env	rironmental regulations/legislati	on specific for the substanc	e or mixture
	Regulation (EC) No 19			
	Regulation (EC) No 12			
	Commission Regulation	n (EU) 2020/878		
15.2	Chemical safety assess	sment		
	Chemical safety assess	ment for the substance has not be	en carried out by the producer	
SEC	TION 16: Other info	mation		
a) 27.10.2021 - issue of a safety data sheet according to Regulation (EC) No. 878/2020 of		mation		
			o Regulation (EC) No. 878/20	020 of the European
	a) 27.10.2021 - issue			
	a) 27.10.2021 - issue	of a safety data sheet according t the Council and according to Reg		
	a) 27.10.2021 - issue Parliament and of	of a safety data sheet according t the Council and according to Reg		
	a) 27.10.2021 - issue Parliament and of and of the Council	of a safety data sheet according t the Council and according to Reg		
	 a) 27.10.2021 - issue Parliament and of and of the Council b) List of abbreviation 	of a safety data sheet according t the Council and according to Reg ns	ulation (EC) No. 1272/2008 (
	 a) 27.10.2021 - issue Parliament and of and of the Council b) List of abbreviatio DNEL 	of a safety data sheet according t the Council and according to Reg ns Derived No Effect Level Predicted No Effect Conce	ulation (EC) No. 1272/2008 of the second sec	
	 a) 27.10.2021 - issue Parliament and of and of the Council b) List of abbreviatio DNEL PNEC CLP 	of a safety data sheet according t the Council and according to Reg ns Derived No Effect Level Predicted No Effect Conce Regulation (EC) No 1272/	ulation (EC) No. 1272/2008 of the second sec	
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	 a) 27.10.2021 - issue Parliament and of and of the Council b) List of abbreviatio DNEL PNEC CLP REACH IMDG IATA 	of a safety data sheet according to the Council and according to Reg ns Derived No Effect Level Predicted No Effect Conce Regulation (EC) No 1272/ Regulation (EC) No 1907/ International Code of Dan International Air Transpor	ulation (EC) No. 1272/2008 of entration 2008 2006 gerous Goods t Association	
	 a) 27.10.2021 - issue Parliament and of and of the Council b) List of abbreviation DNEL PNEC CLP REACH IMDG 	of a safety data sheet according t the Council and according to Reg ns Derived No Effect Level Predicted No Effect Conce Regulation (EC) No 1272/ Regulation (EC) No 1907/ International Code of Dan International Air Transpor International Civil Aviation	ulation (EC) No. 1272/2008 of entration 2008 2006 gerous Goods t Association n Organization	of the European Parliament
	 a) 27.10.2021 - issue Parliament and of and of the Council b) List of abbreviatio DNEL PNEC CLP REACH IMDG IATA 	of a safety data sheet according t the Council and according to Reg ns Derived No Effect Level Predicted No Effect Conce Regulation (EC) No 1272/ Regulation (EC) No 1907/ International Code of Dan International Air Transpor International Civil Aviation	ulation (EC) No. 1272/2008 of entration 2008 2006 gerous Goods t Association	of the European Parliament
	 a) 27.10.2021 - issue Parliament and of and of the Council b) List of abbreviatio DNEL PNEC CLP REACH IMDG IATA ICAO 	of a safety data sheet according to the Council and according to Reg ns Derived No Effect Level Predicted No Effect Conce Regulation (EC) No 1272/ Regulation (EC) No 1907/ International Code of Dan International Air Transpor International Air Transpor European Agreement conce Road	ulation (EC) No. 1272/2008 of entration 2008 2006 gerous Goods t Association n Organization	of the European Parliament
	 a) 27.10.2021 - issue Parliament and of and of the Council b) List of abbreviatio DNEL PNEC CLP REACH IMDG IATA ICAO ADR 	of a safety data sheet according to the Council and according to Reg ns Derived No Effect Level Predicted No Effect Conce Regulation (EC) No 1272/ Regulation (EC) No 1907/ International Code of Dan International Air Transpor International Air Transpor European Agreement conce Road Regulation on the internat	ulation (EC) No. 1272/2008 of entration 2008 2006 gerous Goods t Association n Organization eerning the International Carri	of the European Parliament age of Dangerous Goods by goods by rail
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	Eye Irrit. 2	Serious eye damage / eye irritation, category 2			
	Skin Irrit. 2	Skin corrosion / irritation, category 2			
	Skin Sens. 1, 1B	Skin sensitization, category 1, 1B			
	STOT SE 3	Specific target organ toxicity - single exposure, category 3, narcotic effects			
	Aquatic Acute 1	Hazardous to the aquatic environment - acute, category 1			
	Aquatic Chronic 1,2,3	Hazardous to the aquatic environment - chronic, category 1, 2, 3			
c) Sources of information					
		ional literature, ECHA website, safety data sheets of components			
		mixture was performed by the manufacturer according to the classification rules EC			
	Ŭ	o the additive formula, general and specific concentration limits			
d)	List of hazard statement				
	H225 Highly flammable				
	H226 Flammable liquid				
	H302 Harmful if swallow				
	H315 Causes skin irritat				
	H317 May cause an allergic skin reaction.				
		auses serious eye damage. auses serious eye irritation.			
		6 May cause drowsiness or dizziness.			
	H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life.				
		atic life with long lasting effects.			
		fe with long lasting effects.			
		c life with long lasting effects.			
		3,8,8-Tetramethyl-1,2,3,4,5,6,7,8- octahydronaphthalen-2-yl)ethanone and Hexyl			
	salicylate. May produce				
e)	Instructions for training				
- /	Ũ	for handling with chemicals.			
f)	Other information				
1)		safety data sheet correspond to the best knowledge of the product at the time of			
		nation is used for safer handling, storage, transportation and disposal of the product.			
		ot guarantee the quality of the product. This information applies only to this material			
		roduct is used in combination with other materials or in a way which is not listed in			
	this SDS.				
	· - ·				