

te of c	compilation: 01/11/2023 Ver	rsion: 1				
SECT	ION 1: IDENTIFICATION OF TH	HE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING				
l.1	Product identifier:	GX ² Stage 2 with Graphene				
	Other means of identification:					
	UFI:	Y7VF-S0DW-D00F-AEUM				
L.2	Relevant identified uses of the	substance or mixture and uses advised against:				
	Relevant uses: Water repeller; a	auxiliary product for the automotive; automotive applications. For industrial user only.				
	Uses advised against: All uses no	ot specified in this section or in section 7.3				
L.3	Details of the supplier of the sa	fety data sheet:				
	GARDX INTERNATIONAL LTD LAKE HOUSE, 2 PORT WAY, PORT PO6 4TY PORTSMOUTH - UNITEI Phone: +44 (0)1243 376426 product@gardx.co.uk www.gardx.co.uk					
	AUTOMOTOSOL S.R.O RYBNÁ 716/24 PRAHA 1 110 00 CZECH REPUBLIC					
1.4	+420 222 703288 Emergency telephone number:	CNN: 1012486. For 24/7 multilingual advice for spill, leak, fire, exposure, or accident call chemtrec @ +44 2038850382. Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: +353 (0)1 809 2166				
ECT	ION 2: HAZARDS IDENTIFICAT	TION				
.1	Classification of the substance of	or mixture:				
	CLP Regulation (EC) No 1272/20	008:				
	Classification of this product ha	s been carried out in accordance with CLP Regulation (EC) No 1272/2008.				
2.2	Flam. Liq. 3: Flammable liquids, STOT RE 1: Specific target organ	o the aquatic environment, long-term hazard, Category 2, H411 Category 3, H226 a toxicity — Repeated exposure, Hazard Category 1 (Inhalation), H372 ing drowsiness and dizziness, single exposure, Category 3, H336				
	CLP Regulation (EC) No 1272/2008:					
	Danger					
	Hazard statements:					
	Aquatic Chronic 2: H411 Toxic	to aquatic life with long lasting effects				

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. Flam. Liq. 3: H226 - Flammable liquid and vapour. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation). STOT SE 3: H336 - May cause drowsiness or dizziness. **Precautionary statements:**



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SECTION 2: HAZARDS IDENTIFICATION (continued)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260: Do not breathe vapours.

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.

P280: Wear protective gloves.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTER/doctor if you feel unwell.

P501: Dispose of contents and / or containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Supplementary information:

EUH066: Repeated exposure may cause skin dryness or cracking.

EUH208: Contains Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

Substances that contribute to the classification

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (CAS: 64742-82-1)

2.3 Other hazards:

Product does not meet PBT/vPvB criteria Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Wax/es

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

	Identification		Chemical name/Classification	Concentration	
CAS:	64742-82-1	Hydrocarbons, C9-C12, n	-alkanes, isoalkanes, cyclics, aromatics (2-25%) ⁽¹⁾ Self-classified		
EC: Index: REACH:	919-446-0 Non-applicable 01-2119458049-33-XXXX	Regulation 1272/2008	Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT RE 1: H372; STOT SE 3: H336; EUH066 - Danger	25 - <50 %	
CAS:	92704-41-1	Kaolin, calcined ⁽²⁾	Not classified		
EC: Index: REACH:	296-473-8 Non-applicable 01-2119527779-22-XXXX	Regulation 1272/2008		3 - <10 %	
CAS: EC:	61789-77-3 263-087-6	Quaternary ammonium	compounds, dicoco alkyldimethyl, chlorides ⁽¹⁾ Self-classified		
EC: Index: REACH:	Non-applicable Non-applicable	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Skin Corr. 1B: H314 - Danger	<1 %	
CAS:	25307-17-9				
EC: Index: REACH:	246-807-3 Non-applicable 01-2119510876-35-XXXX	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1B: H314 - Danger	<1 %	
CAS:	123-86-4	N-butyl acetate ⁽³⁾	ATP CLP00)	
EC: Index: REACH:	204-658-1 607-025-00-1 01-2119485493-29-XXXX	Regulation 1272/2008	Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning	<1 %	
CAS:	1330-20-7	Xylene ⁽³⁾	Self-classified		
EC: Index: REACH:	215-535-7 601-022-00-9 01-2119488216-32-XXXX	Regulation 1272/2008	Acute Tox. 4: H312+H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger	<1 %	
CAS:	100-41-4	Ethylbenzene ⁽³⁾ ATP ATP06			
EC: ndex: REACH:	202-849-4 601-023-00-4 01-2119489370-35-XXXX	Regulation 1272/2008	Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger	<1 %	

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878 ⁽²⁾ Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878

⁽³⁾ Substance with a Union workplace exposure limit



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

	Identification		Chemical name/Classification	Concentration
CAS:	55406-53-6	3-iodo-2-propynyl Butylo	arbamate ⁽¹⁾ ATP ATP06	
EC: Index: REACH:	259-627-5 616-212-00-7 01-2120762115-60-XXXX	Regulation 1272/2008	Acute Tox. 3: H331; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Sens. 1: H317; STOT RE 1: H372 - Danger	<1 %
CAS:	67-63-0	propan-2-ol ⁽²⁾	ATP CLP00	
EC: Index: REACH:	200-661-7 603-117-00-0 01-2119457558-25-XXXX	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger	<1 %
CAS:	108-65-6	2-methoxy-1-methylethy	ATP ATP01	
EC: Index: REACH:	Regulation 1272		Flam. Liq. 3: H226 - Warning	
CAS:	101-84-8	Diphenyl ether ⁽³⁾	Self-classified	
EC: Index: REACH:	202-981-2 Non-applicable 01-2119472545-33-XXXX	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319 - Warning	<1 %
CAS:	84-66-2	Diethyl phthalate ⁽²⁾	Not classified	
EC: Index: REACH:	201-550-6 Non-applicable 01-2119486682-27-XXXX	Regulation 1272/2008		<1 %
CAS: EC:	55965-84-9	Reaction mass of 5-chlor	o-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) ⁽¹⁾ ATP ATP13	
Index:	Non-applicable 613-167-00-5 Non-applicable	Regulation 1272/2008	Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger	<1 %
CAS:	67-56-1	methanol ⁽³⁾	ATP CLP00	
EC: Index: REACH:	200-659-6 603-001-00-X 01-2119433307-44-XXXX	Regulation 1272/2008	Acute Tox. 3: H301+H311+H331; Flam. Liq. 2: H225; STOT SE 1: H370 - Danger	<1 %
CAS:			Self-classified	
EC: Index: REACH:	203-625-9 601-021-00-3 01-2119471310-51-XXXX	Regulation 1272/2008	Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Flam. Liq. 2: H225; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H336 - Danger	<1 %

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
 ⁽²⁾ Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878
 ⁽³⁾ Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

	Identification			M-factor
Quaternary ammoniu	m compounds, dicoco alkyldimethyl, chlorides		Acute	1
CAS: 61789-77-3	EC: 263-087-6		Chronic	1
2,2'-(octadec-9-enylin	nino)bisethanol (2 EO)		Acute	10
CAS: 25307-17-9	EC: 246-807-3	Chronic	1	
3-iodo-2-propynyl But	ylcarbamate		Acute	10
CAS: 55406-53-6	EC: 259-627-5		Chronic	1
Reaction mass of 5-ch	loro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-or	ne (3:1)	Acute	100
CAS: 55965-84-9	EC: Non-applicable		Chronic	100
	Identification	Spec	cific concentrat	ion limit
Reaction mass of 5-ch one (3:1) CAS: 55965-84-9 EC: Non-applicable	loro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-	% (w/w) >=0.6: Skin Corr. 1C - H 0.06<= % (w/w) <0.6: Skin Irrit. % (w/w) >=0.6: Eye Dam. 1 - H3 0.06<= % (w/w) <0.6: Eye Irrit. : % (w/w) >=0.0015: Skin Sens. 1	2 - H315 318 2 - H319	
methanol CAS: 67-56-1 EC: 200-659-6		% (w/w) >=10: STOT SE 1 - H37(3<= % (w/w) <10: STOT SE 2 - H		

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:



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SECTION 4: FIRST AID MEASURES (continued)

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.



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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137 / The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 4 ºC

Maximum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace:

2021 Code of Practice for the Chemical Agents Regulations:

Identification	Occup	ational exposure lim	iits
Citral	OEL (8h)	5 ppm	
CAS: 5392-40-5 EC: 226-394-6	OEL (15 min)		
Benzyl acetate	OEL (8h)	10 ppm	
CAS: 140-11-4 EC: 205-399-7	OEL (15 min)		
Diphenyl ether	OEL (8h)	1 ppm	7 mg/m³
CAS: 101-84-8 EC: 202-981-2	OEL (15 min)	2 ppm	14 mg/m ³
methanol	OEL (8h)	200 ppm	260 mg/m ³
CAS: 67-56-1 EC: 200-659-6	OEL (15 min)		
Xylene	OEL (8h)	50 ppm	221 mg/m³
CAS: 1330-20-7 EC: 215-535-7	OEL (15 min)	100 ppm	442 mg/m ³



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

2021 Code of Practice for the Chemical Agents Regulations: Identification OEL (8h) C45: 100 41 4 EC: 202 840 4 OEL (15 c)

Ethylbenzene	OEL (8h)	100 ppm	442 mg/m ³
CAS: 100-41-4 EC: 202-849-4	OEL (15 min)	200 ppm	884 mg/m³
2-methoxy-1-methylethyl acetate	OEL (8h)	50 ppm	275 mg/m ³
CAS: 108-65-6 EC: 203-603-9	OEL (15 min)	100 ppm	550 mg/m ³
Toluene	OEL (8h)	50 ppm	192 mg/m³
CAS: 108-88-3 EC: 203-625-9	OEL (15 min)	100 ppm	384 mg/m ³
propan-2-ol	OEL (8h)	200 ppm	
CAS: 67-63-0 EC: 200-661-7	OEL (15 min)	400 ppm	
N-butyl acetate	OEL (8h)	50 ppm	241 mg/m³
CAS: 123-86-4 EC: 204-658-1	OEL (15 min)	150 ppm	723 mg/m ³

Occupational exposure limits

DNEL (Workers):

		Short e	xposure	Long exposure	
Identification		Systemic	Local	Systemic	Local
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 64742-82-1	Dermal	Non-applicable	Non-applicable	21 mg/kg	Non-applicable
EC: 919-446-0	Inhalation	570 mg/m³	Non-applicable	330 mg/m ³	Non-applicable
Kaolin, calcined	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 92704-41-1	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 296-473-8	Inhalation	3 mg/m³	3 mg/m ³	3 mg/m ³	3 mg/m³
2,2'-(octadec-9-enylimino)bisethanol (2 EO)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 25307-17-9	Dermal	Non-applicable	Non-applicable	0.42 mg/kg	Non-applicable
EC: 246-807-3	Inhalation	Non-applicable	Non-applicable	2.96 mg/m ³	Non-applicable
N-butyl acetate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-86-4	Dermal	11 mg/kg	Non-applicable	11 mg/kg	Non-applicable
EC: 204-658-1	Inhalation	600 mg/m³	600 mg/m³	300 mg/m ³	300 mg/m ³
Xylene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	212 mg/kg	Non-applicable
EC: 215-535-7	Inhalation	442 mg/m ³	442 mg/m³	221 mg/m³	221 mg/m³
Ethylbenzene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 100-41-4	Dermal	Non-applicable	Non-applicable	180 mg/kg	Non-applicable
EC: 202-849-4	Inhalation	Non-applicable	293 mg/m³	77 mg/m³	Non-applicable
3-iodo-2-propynyl Butylcarbamate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 55406-53-6	Dermal	Non-applicable	Non-applicable	2 mg/kg	Non-applicable
EC: 259-627-5	Inhalation	0.07 mg/m³	1.16 mg/m ³	0.023 mg/m ³	1.16 mg/m ³
propan-2-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 67-63-0	Dermal	Non-applicable	Non-applicable	888 mg/kg	Non-applicable
EC: 200-661-7	Inhalation	Non-applicable	Non-applicable	500 mg/m ³	Non-applicable
2-methoxy-1-methylethyl acetate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-65-6	Dermal	Non-applicable	Non-applicable	796 mg/kg	Non-applicable
EC: 203-603-9	Inhalation	Non-applicable	550 mg/m³	275 mg/m³	Non-applicable
Diphenyl ether	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 101-84-8	Dermal	Non-applicable	Non-applicable	25 mg/kg	Non-applicable
EC: 202-981-2	Inhalation	Non-applicable	14 mg/m ³	59 mg/m ³	7 mg/m³
Diethyl phthalate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 84-66-2	Dermal	Non-applicable	Non-applicable	15 mg/kg	Non-applicable
EC: 201-550-6	Inhalation	Non-applicable	Non-applicable	10.56 mg/m ³	Non-applicable
methanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 67-56-1	Dermal	20 mg/kg	Non-applicable	20 mg/kg	Non-applicable
EC: 200-659-6	Inhalation	130 mg/m³	130 mg/m³	130 mg/m ³	130 mg/m ³
Toluene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-88-3	Dermal	Non-applicable	Non-applicable	384 mg/kg	Non-applicable
EC: 203-625-9	Inhalation	384 mg/m ³	384 mg/m ³	192 mg/m ³	192 mg/m ³



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (General population):

		Short e	exposure	Long e	g exposure	
Identification		Systemic	Local	Systemic	Local	
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Oral	Non-applicable	Non-applicable	21 mg/kg	Non-applicable	
CAS: 64742-82-1	Dermal	Non-applicable	Non-applicable	12 mg/kg	Non-applicable	
EC: 919-446-0	Inhalation	570 mg/m³	Non-applicable	71 mg/m³	Non-applicable	
2,2'-(octadec-9-enylimino)bisethanol (2 EO)	Oral	Non-applicable	Non-applicable	0.15 mg/kg	Non-applicable	
CAS: 25307-17-9	Dermal	Non-applicable	Non-applicable	0.15 mg/kg	Non-applicable	
EC: 246-807-3	Inhalation	Non-applicable	Non-applicable	0.522 mg/m ³	Non-applicable	
N-butyl acetate	Oral	2 mg/kg	Non-applicable	2 mg/kg	Non-applicable	
CAS: 123-86-4	Dermal	6 mg/kg	Non-applicable	6 mg/kg	Non-applicable	
EC: 204-658-1	Inhalation	300 mg/m ³	300 mg/m ³	35.7 mg/m³	35.7 mg/m³	
Xylene	Oral	Non-applicable	Non-applicable	12.5 mg/kg	Non-applicable	
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	125 mg/kg	Non-applicable	
EC: 215-535-7	Inhalation	260 mg/m ³	260 mg/m³	65.3 mg/m³	65.3 mg/m ³	
Ethylbenzene	Oral	Non-applicable	Non-applicable	1.6 mg/kg	Non-applicable	
CAS: 100-41-4	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
EC: 202-849-4	Inhalation	Non-applicable	Non-applicable	15 mg/m³	Non-applicable	
propan-2-ol	Oral	Non-applicable	Non-applicable	26 mg/kg	Non-applicable	
CAS: 67-63-0	Dermal	Non-applicable	Non-applicable	319 mg/kg	Non-applicable	
EC: 200-661-7	Inhalation	Non-applicable	Non-applicable	89 mg/m³	Non-applicable	
2-methoxy-1-methylethyl acetate	Oral	Non-applicable	Non-applicable	36 mg/kg	Non-applicable	
CAS: 108-65-6	Dermal	Non-applicable	Non-applicable	320 mg/kg	Non-applicable	
EC: 203-603-9	Inhalation	Non-applicable	Non-applicable	33 mg/m ³	33 mg/m ³	
Diethyl phthalate	Oral	Non-applicable	Non-applicable	0.75 mg/kg	Non-applicable	
CAS: 84-66-2	Dermal	Non-applicable	Non-applicable	7.5 mg/kg	Non-applicable	
EC: 201-550-6	Inhalation	Non-applicable	Non-applicable	2.6 mg/m ³	Non-applicable	
methanol	Oral	4 mg/kg	Non-applicable	4 mg/kg	Non-applicable	
CAS: 67-56-1	Dermal	4 mg/kg	Non-applicable	4 mg/kg	Non-applicable	
EC: 200-659-6	Inhalation	26 mg/m³	26 mg/m ³	26 mg/m ³	26 mg/m ³	
Toluene	Oral	Non-applicable	Non-applicable	8.13 mg/kg	Non-applicable	
CAS: 108-88-3	Dermal	Non-applicable	Non-applicable	226 mg/kg	Non-applicable	
EC: 203-625-9	Inhalation	226 mg/m ³	226 mg/m ³	56.5 mg/m ³	56.5 mg/m ³	

PNEC:

Identification				
Kaolin, calcined	STP	1400 mg/L	Fresh water	4.1 mg/L
CAS: 92704-41-1	Soil	Non-applicable	Marine water	0.41 mg/L
EC: 296-473-8	Intermittent	25 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2,2'-(octadec-9-enylimino)bisethanol (2 EO)	STP	1.5 mg/L	Fresh water	0.00016 mg/L
CAS: 25307-17-9	Soil	5 mg/kg	Marine water	0.000016 mg/L
EC: 246-807-3	Intermittent	0.00043 mg/L	Sediment (Fresh water)	1.692 mg/kg
	Oral	2 g/kg	Sediment (Marine water)	0.169 mg/kg
N-butyl acetate	STP	35.6 mg/L	Fresh water	0.18 mg/L
CAS: 123-86-4	Soil	0.09 mg/kg	Marine water	0.018 mg/L
EC: 204-658-1	Intermittent	0.36 mg/L	Sediment (Fresh water)	0.981 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.098 mg/kg
Xylene	STP	6.58 mg/L	Fresh water	0.327 mg/L
CAS: 1330-20-7	Soil	2.31 mg/kg	Marine water	0.327 mg/L
EC: 215-535-7	Intermittent	0.327 mg/L	Sediment (Fresh water)	12.46 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	12.46 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Ethylbenzene	STP	9.6 mg/L	Fresh water	0.1 mg/L
CAS: 100-41-4	Soil	2.68 mg/kg	Marine water	0.01 mg/L
EC: 202-849-4	Intermittent	0.1 mg/L	Sediment (Fresh water)	13.7 mg/kg
	Oral	0.02 g/kg	Sediment (Marine water)	1.37 mg/kg
3-iodo-2-propynyl Butylcarbamate	STP	0.44 mg/L	Fresh water	0.001 mg/L
CAS: 55406-53-6	Soil	0.005 mg/kg	Marine water	0 mg/L
EC: 259-627-5	Intermittent	0.001 mg/L	Sediment (Fresh water)	0.017 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.002 mg/kg
propan-2-ol	STP	2251 mg/L	Fresh water	140.9 mg/L
CAS: 67-63-0	Soil	28 mg/kg	Marine water	140.9 mg/L
EC: 200-661-7	Intermittent	140.9 mg/L	Sediment (Fresh water)	552 mg/kg
	Oral	0.16 g/kg	Sediment (Marine water)	552 mg/kg
2-methoxy-1-methylethyl acetate	STP	100 mg/L	Fresh water	0.635 mg/L
CAS: 108-65-6	Soil	0.29 mg/kg	Marine water	0.064 mg/L
EC: 203-603-9	Intermittent	6.35 mg/L	Sediment (Fresh water)	3.29 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.329 mg/kg
Diphenyl ether	STP	10 mg/L	Fresh water	0 mg/L
CAS: 101-84-8	Soil	0.018 mg/kg	Marine water	0 mg/L
EC: 202-981-2	Intermittent	0.005 mg/L	Sediment (Fresh water)	0.093 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.009 mg/kg
Diethyl phthalate	STP	2 mg/L	Fresh water	0.012 mg/L
CAS: 84-66-2	Soil	0.137 mg/kg	Marine water	0.0012 mg/L
EC: 201-550-6	Intermittent	0.12 mg/L	Sediment (Fresh water)	0.137 mg/kg
	Oral	0.033 g/kg	Sediment (Marine water)	0.0137 mg/kg
methanol	STP	100 mg/L	Fresh water	20.8 mg/L
CAS: 67-56-1	Soil	100 mg/kg	Marine water	2.08 mg/L
EC: 200-659-6	Intermittent	1540 mg/L	Sediment (Fresh water)	77 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	7.7 mg/kg
Toluene	STP	13.61 mg/L	Fresh water	0.68 mg/L
CAS: 108-88-3	Soil	2.89 mg/kg	Marine water	0.68 mg/L
EC: 203-625-9	Intermittent	0.68 mg/L	Sediment (Fresh water)	16.39 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	16.39 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the occupational exposure limits. In case of using personal protective equipment it should have CE marking in accordance with Directive 2016/425/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A2)		EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.
· _ `	Specific protection	for the hands			

C.- Specific protection for the hands



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	Pictogram	PPE	Labelling		CEN Standard		Remarks
	Mandatory hand protection	NON-disposable chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.1 mm, Conditions of use: Normal)		EN 165	374-1:2016+A1:2018 23-1:2015+A1:2018 ISO 21420:2020	must being	eakthrough Time indicated by the manufa exceed the period during which the produ g used. Do not use protective creams after product has come into contact with skin.
		mixture of several substand herefore to be checked prio			glove material can i	not be d	calculated in advance with total
	ye and face prote	•					
	Pictogram	PPE	Labelling		CEN Standard		Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.			EN 166:2002 ISO 4007:2018		daily and disinfect periodically according t Ifacturer's instructions. Use if there is a ris splashing.
E B	ody protection						
	Pictogram	PPE	Labelling		CEN Standard		Remarks
	Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	CAT III	EN 13 EN ISO 1 EN EN	EN 1149-1,2,3 034:2005+A1:2009 3982-1:2004/A1:2010 ISO 6529:2013 ISO 6529:2015 ISO 13688:2013 EN 464:1994	For prof	essional use only. Clean periodically acco the manufacturer's instructions.
		Work clothing	CATI			peri profest accord	ace before any evidence of deterioration. ods of prolonged exposure to the product sional/industrial users CE III is recommend lance with the regulations in EN ISO 6529:) 6530:2005, EN ISO 13688:2013, EN 464:
	Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties		EN	ISO 13287:2020 ISO 20345:2011 I 13832-1:2019	F	Replace boots at any sign of deterioration.
F A	dditional emerger	ncy measures					
	Emergency mea	sure S	tandards		Emergency measu	re	Standards
	*		NSI Z358-1 011, ISO 3864-4:201	1	● + T		DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemic	al properties:	
	Appearance:		
	Physical state at 20 ºC:	Liquid	
	Appearance:	Emulsion	
	Color:	Greenish	
	Odor:	Pleasant	
	Odour threshold:	Non-applicable *	
	Volatility:		
	*Not relevant due to the nature of the product, not	providing information property of its hazards.	



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SECT	FION 9: PHYSICAL AND CHEMICAL PROPERTIES (co	ntinued)
	Boiling point at atmospheric pressure:	112 ºC
	Vapour pressure at 20 ºC:	2211 Pa
	Vapour pressure at 50 ºC:	11679.07 Pa (11.68 kPa)
	Evaporation rate at 20 ºC:	Non-applicable *
	Product description:	
	Density at 20 ºC:	Non-applicable *
	Relative density at 20 ºC:	0.958 - 0.978
	Dynamic viscosity at 20 °C:	50000 - 60000 cP
	Kinematic viscosity at 20 °C:	Non-applicable *
	Kinematic viscosity at 40 °C:	>20.5 mm²/s
	Concentration:	Non-applicable *
	pH:	Non-applicable *
	Vapour density at 20 ºC:	Non-applicable *
	Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
	Solubility in water at 20 ºC:	Non-applicable *
	Solubility properties:	Insoluble in water
	Decomposition temperature:	Non-applicable *
	Melting point/freezing point:	Non-applicable *
	Flammability:	
	Flash Point:	43 ºC
	Flammability (solid, gas):	Non-applicable *
	Autoignition temperature:	202 ºC
	Lower flammability limit:	Not available
	Upper flammability limit:	Not available
	Particle characteristics:	
	Median equivalent diameter:	Non-applicable
9.2	Other information:	
	Information with regard to physical hazard classes:	
	Explosive properties:	Non-applicable *
	Oxidising properties:	Non-applicable *
	Corrosive to metals:	Non-applicable *
	Heat of combustion:	Non-applicable *
	Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
	Other safety characteristics:	
	Surface tension at 20 °C:	Non-applicable *
	Refraction index:	Non-applicable *
	*Not relevant due to the nature of the product, not providing inform	nation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.



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SECTION 10: STABILITY AND REACTIVITY (continued) 10.3 Possibility of hazardous reactions: Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected. 10.4 Conditions to quotient.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

-					
	Acids	Water	Oxidising materials	Combustible materials	Others
	Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

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

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.

- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- B- Inhalation (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
 - Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
 - Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous
 - for the effects mentioned. For more information see section 3.
 - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
 - Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
- F- Specific target organ toxicity (STOT) single exposure:

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

G- Specific target organ toxicity (STOT)-repeated exposure:



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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Specific target organ toxicity (STOT)-repeated exposure: Serious health effects in the case of prolonged inhalation, including death, serious functional disorders or morphological changes of toxicological importance.
- Skin: Repeated exposure may cause skin dryness or cracking
- H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	LD50 oral	>5100 mg/kg	R
CAS: 64742-82-1	LD50 dermal	>3160 mg/kg	Rat
EC: 919-446-0	LC50 inhalation	>20 mg/L (4 h)	R
Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	LD50 oral	960 mg/kg	R
CAS: 61789-77-3	LD50 dermal	Non-applicable	
EC: 263-087-6	LC50 inhalation	Non-applicable	_
2,2'-(octadec-9-enylimino)bisethanol (2 EO)	LD50 oral	1260 mg/kg	Ra
CAS: 25307-17-9	LD50 dermal	Non-applicable	
EC: 246-807-3	LC50 inhalation	Non-applicable	
N-butyl acetate	LD50 oral	12789 mg/kg	Ra
CAS: 123-86-4	LD50 dermal	14112 mg/kg	Rab
EC: 204-658-1	LC50 inhalation	23.4 mg/L (4 h)	Ra
Xylene	LD50 oral	2100 mg/kg	Ra
CAS: 1330-20-7	LD50 dermal	1100 mg/kg	Ra
EC: 215-535-7	LC50 inhalation	11 mg/L (4 h)	Ra
Ethylbenzene	LD50 oral	3500 mg/kg	Ra
CAS: 100-41-4	LD50 dermal	15354 mg/kg	Rat
EC: 202-849-4	LC50 inhalation	17.2 mg/L (4 h)	Ra
3-iodo-2-propynyl Butylcarbamate	LD50 oral	1100 mg/kg	Ra
CAS: 55406-53-6	LD50 dermal	2100 mg/kg	Rab
EC: 259-627-5	LC50 inhalation	Non-applicable	
propan-2-ol	LD50 oral	5280 mg/kg	Ra
CAS: 67-63-0	LD50 dermal	12800 mg/kg	Ra
EC: 200-661-7	LC50 inhalation	72.6 mg/L (4 h)	Ra
2-methoxy-1-methylethyl acetate	LD50 oral	8532 mg/kg	Ra
CAS: 108-65-6	LD50 dermal	5100 mg/kg	Ra
EC: 203-603-9	LC50 inhalation	30 mg/L (4 h)	Ra
Diphenyl ether	LD50 oral	>5000 mg/kg	Ra
CAS: 101-84-8	LD50 dermal	7940 mg/kg	Rat
EC: 202-981-2	LC50 inhalation	Non-applicable	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	LD50 oral	64 mg/kg	Ra
CAS: 55965-84-9	LD50 dermal	87.12 mg/kg	Rat
EC: Non-applicable	LC50 inhalation	0.33 mg/L (4 h)	Ra
methanol	LD50 oral	100 mg/kg	
CAS: 67-56-1	LD50 dermal	300 mg/kg	
EC: 200-659-6	LC50 inhalation	3 mg/L (4 h)	Ra
Toluene	LD50 oral	5580 mg/kg	R
CAS: 108-88-3	LD50 dermal	12124 mg/kg	R
EC: 203-625-9	LC50 inhalation	28.1 mg/L (4 h)	Ra



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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Toxic to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

Identification		Concentration	Species	Genus
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 64742-82-1	EC50	>1 - 10 mg/L (48 h)		Crustacea
EC: 919-446-0	EC50	>1 - 10 mg/L (72 h)		Algae
Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 61789-77-3	EC50	>0.1 - 1 mg/L (48 h)		Crustacea
EC: 263-087-6	EC50	>0.1 - 1 mg/L (72 h)		Algae
2,2'-(octadec-9-enylimino)bisethanol (2 EO)	LC50	0.1 mg/L (96 h)	Danio rerio	Fish
CAS: 25307-17-9	EC50	0.043 mg/L (48 h)	Daphnia magna	Crustacea
EC: 246-807-3	EC50	0.0867 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
N-butyl acetate	LC50	Non-applicable		
CAS: 123-86-4	EC50	Non-applicable		
EC: 204-658-1	EC50	675 mg/L (72 h)	Scenedesmus subspicatus	Algae
Xylene	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 1330-20-7	EC50	>10 - 100 mg/L (48 h)		Crustacea
EC: 215-535-7	EC50	>10 - 100 mg/L (72 h)		Algae
Ethylbenzene	LC50	42.3 mg/L (96 h)	Pimephales promelas	Fish
CAS: 100-41-4	EC50	75 mg/L (48 h)	Daphnia magna	Crustacea
EC: 202-849-4	EC50	63 mg/L (3 h)	Chlorella vulgaris	Algae
3-iodo-2-propynyl Butylcarbamate	LC50	0.07 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 55406-53-6	EC50	0.09 mg/L (96 h)	Mysidopsis bahia	Crustacea
EC: 259-627-5	EC50	0.05 mg/L (72 h)	Scenedesmus subspicatus	Algae
propan-2-ol	LC50	9640 mg/L (96 h)	Pimephales promelas	Fish
CAS: 67-63-0	EC50	13299 mg/L (48 h)	Daphnia magna	Crustacea
EC: 200-661-7	EC50	1000 mg/L (72 h)	Scenedesmus subspicatus	Algae
2-methoxy-1-methylethyl acetate	LC50	161 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-65-6	EC50	481 mg/L (48 h)	Daphnia sp.	Crustacea
EC: 203-603-9	EC50	Non-applicable		
Diphenyl ether	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 101-84-8	EC50	>0.1 - 1 mg/L (48 h)		Crustacea
EC: 202-981-2	EC50	>0.1 - 1 mg/L (72 h)		Algae
Diethyl phthalate	LC50	61 mg/L (48 h)	Leuciscus idus	Fish
CAS: 84-66-2	EC50	52 mg/L (48 h)	Daphnia magna	Crustacea
EC: 201-550-6	EC50	Non-applicable		
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl- 2H-isothiazol-3-one (3:1)	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 55965-84-9	EC50	>0.1 - 1 mg/L (48 h)		Crustacea
EC: Non-applicable	EC50	>0.1 - 1 mg/L (72 h)		Algae
methanol	LC50	15400 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 67-56-1	EC50	12000 mg/L (96 h)	Nitrocra spinipes	Crustacea
EC: 200-659-6	EC50	530 mg/L (168 h)	Microcystis aeruginosa	Algae



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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification		Concentration	Species	Genus
Toluene	LC50	13 mg/L (96 h)	Carassius auratus	Fish
CAS: 108-88-3	EC50	11.5 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-625-9	EC50	Non-applicable		

Chronic toxicity:

Identification		Concentration	Species	Genus
Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	NOEC	Non-applicable		
CAS: 61789-77-3 EC: 263-087-6	NOEC	0.15 mg/L	Daphnia magna	Crustacean
2,2´-(octadec-9-enylimino)bisethanol (2 EO)	NOEC	Non-applicable		
CAS: 25307-17-9 EC: 246-807-3	NOEC	0.0099 mg/L	Daphnia magna	Crustacean
N-butyl acetate	NOEC	Non-applicable		
CAS: 123-86-4 EC: 204-658-1	NOEC	23.2 mg/L	Daphnia magna	Crustacean
Xylene	NOEC	1.3 mg/L	Oncorhynchus mykiss	Fish
CAS: 1330-20-7 EC: 215-535-7	NOEC	1.17 mg/L	Ceriodaphnia dubia	Crustacean
Ethylbenzene	NOEC	Non-applicable		
CAS: 100-41-4 EC: 202-849-4	NOEC	0.96 mg/L	Ceriodaphnia dubia	Crustacean
3-iodo-2-propynyl Butylcarbamate	NOEC	0.0084 mg/L	Pimephales promelas	Fish
CAS: 55406-53-6 EC: 259-627-5	NOEC	0.0499 mg/L	Daphnia magna	Crustacean
2-methoxy-1-methylethyl acetate	NOEC	47.5 mg/L	Oryzias latipes	Fish
CAS: 108-65-6 EC: 203-603-9	NOEC	100 mg/L	Daphnia magna	Crustacean
Diethyl phthalate	NOEC	5 mg/L	Cyprinus carpio	Fish
CAS: 84-66-2 EC: 201-550-6	NOEC	25 mg/L	Daphnia magna	Crustacear
nethanol	NOEC	15800 mg/L	Oryzias latipes	Fish
CAS: 67-56-1 EC: 200-659-6	NOEC	122 mg/L	Daphnia magna	Crustacear

12.2 Persistence and degradability:

Substance-specific information:

Identification	Deg	radability	Biodegradat	Biodegradability		
Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	BOD5	Non-applicable	Concentration	Non-applicable		
CAS: 61789-77-3	COD	Non-applicable	Period	28 days		
EC: 263-087-6	BOD5/COD	Non-applicable	% Biodegradable	82 %		
2,2'-(octadec-9-enylimino)bisethanol (2 EO)	BOD5	Non-applicable	Concentration	10 mg/L		
CAS: 25307-17-9	COD	Non-applicable	Period	28 days		
EC: 246-807-3	BOD5/COD	Non-applicable	% Biodegradable	88 %		
N-butyl acetate	BOD5	Non-applicable	Concentration	Non-applicable		
CAS: 123-86-4	COD	Non-applicable	Period	5 days		
EC: 204-658-1	BOD5/COD	Non-applicable	% Biodegradable	84 %		
Xylene	BOD5	Non-applicable	Concentration	Non-applicable		
CAS: 1330-20-7	COD	Non-applicable	Period	28 days		
EC: 215-535-7	BOD5/COD	Non-applicable	% Biodegradable	88 %		
Ethylbenzene	BOD5	Non-applicable	Concentration	100 mg/L		
CAS: 100-41-4	COD	Non-applicable	Period	14 days		
EC: 202-849-4	BOD5/COD	Non-applicable	% Biodegradable	90 %		
propan-2-ol	BOD5	1.19 g O2/g	Concentration	100 mg/L		
CAS: 67-63-0	COD	2.23 g O2/g	Period	14 days		
EC: 200-661-7	BOD5/COD	0.53	% Biodegradable	86 %		
2-methoxy-1-methylethyl acetate	BOD5	Non-applicable	Concentration	785 mg/L		
CAS: 108-65-6	COD	Non-applicable	Period	8 days		
EC: 203-603-9	BOD5/COD	Non-applicable	% Biodegradable	100 %		
Diphenyl ether	BOD5	Non-applicable	Concentration	5.6 mg/L		
CAS: 101-84-8	COD	Non-applicable	Period	20 days		
EC: 202-981-2	BOD5/COD	Non-applicable	% Biodegradable	76 %		

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Identification	C	egradability		Biodegradability
Diethyl phthalate	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 84-66-2	COD	Non-applicable	Period	28 days
EC: 201-550-6	BOD5/COD	Non-applicable	% Biodegradable	88 %
methanol	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 67-56-1	COD	1.42 g O2/g	Period	14 days
EC: 200-659-6	BOD5/COD	Non-applicable	% Biodegradable	92 %
Toluene	BOD5	2.5 g O2/g	Concentration	100 mg/L
CAS: 108-88-3	COD	Non-applicable	Period	14 days
EC: 203-625-9	BOD5/COD	Non-applicable	% Biodegradable	100 %
Bioaccumulative potential:				
Substance-specific information:				
Ide	ntification		В	ioaccumulation potential
N-butyl acetate			BCF	4
CAS: 123-86-4			Pow Log	1.78
EC: 204-658-1			Potential	Low
Xylene			BCF	9
CAS: 1330-20-7			Pow Log	2.77
EC: 215-535-7			Potential	Low
Ethylbenzene			BCF	1
CAS: 100-41-4			Pow Log	3.15
EC: 202-849-4			Potential	Low
3-iodo-2-propynyl Butylcarbamate			BCF	36
CAS: 55406-53-6			Pow Log	2.4
EC: 259-627-5			Potential	Moderate
propan-2-ol			BCF	3
CAS: 67-63-0			Pow Log	0.05
EC: 200-661-7			Potential	Low
2-methoxy-1-methylethyl acetate			BCF	1
CAS: 108-65-6			Pow Log	0.43
EC: 203-603-9			Potential	Low
Diphenyl ether			BCF	196
CAS: 101-84-8			Pow Log	4.21
EC: 202-981-2			Potential	High
Diethyl phthalate			BCF	117
CAS: 84-66-2			Pow Log	2.07
EC: 201-550-6			Potential	High
methanol			BCF	3
CAS: 67-56-1			Pow Log	-0.77
EC: 200-659-6			Potential	Low
Toluene			BCF	90
CAS: 108-88-3			Pow Log	2.73
EC: 203-625-9			Potential	Moderate

Identification	Absor	Absorption/desorption		ility
2,2'-(octadec-9-enylimino)bisethanol (2 EO)	Кос	Non-applicable	Henry	Non-applicable
CAS: 25307-17-9	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 246-807-3	Surface tension	2.8E-2 N/m (25 ºC)	Moist soil	Non-applicable
N-butyl acetate	Кос	Non-applicable	Henry	Non-applicable
CAS: 123-86-4	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-658-1	Surface tension	2.478E-2 N/m (25 ºC)	Moist soil	Non-applicable



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Identification	Absor	ption/desorption		Volatility
Xylene	Кос	202	Henry	524.86 Pa·m ³ /mol
CAS: 1330-20-7	Conclusion	Moderate	Dry soil	Yes
EC: 215-535-7	Surface tension	Non-applicable	Moist soil	Yes
Ethylbenzene	Кос	520	Henry	798.44 Pa·m ³ /mol
CAS: 100-41-4	Conclusion	Moderate	Dry soil	Yes
EC: 202-849-4	Surface tension	2.859E-2 N/m (25 ºC)	Moist soil	Yes
propan-2-ol	Кос	1.5	Henry	8.207E-1 Pa·m³/m
CAS: 67-63-0	Conclusion	Very High	Dry soil	Yes
EC: 200-661-7	Surface tension	2.24E-2 N/m (25 ºC)	Moist soil	Yes
Diphenyl ether	Кос	1960	Henry	Non-applicable
CAS: 101-84-8	Conclusion	Low	Dry soil	Non-applicable
EC: 202-981-2	Surface tension	1.753E-2 N/m (258.4 ºC)	Moist soil	Non-applicable
Diethyl phthalate	Кос	Non-applicable	Henry	6.181E-2 Pa·m³/m
CAS: 84-66-2	Conclusion	Non-applicable	Dry soil	No
EC: 201-550-6	Surface tension	3.699E-2 N/m (25 ºC)	Moist soil	No
methanol	Кос	Non-applicable	Henry	Non-applicable
CAS: 67-56-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 200-659-6	Surface tension	2.355E-2 N/m (25 ºC)	Moist soil	Non-applicable
Toluene	Кос	178	Henry	672.8 Pa∙m³/mol
CAS: 108-88-3	Conclusion	Moderate	Dry soil	Yes
EC: 203-625-9	Surface tension	2.793E-2 N/m (25 ºC)	Moist soil	Yes

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EU) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:



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SECTION 14: TRANSPORT INFORMATION (continued)		
14.	1 UN number or ID number:	UN1993
	2 UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))
3 14.	3 Transport hazard class(es):	3
	Labels:	3
14.	4 Packing group:	III
14.	5 Environmental hazards:	Yes
14.	6 Special precautions for user	
	Special regulations:	274, 601
	Tunnel restriction code:	D/E
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
14.	7 Maritime transport in bulk according to IMO instruments:	Non-applicable
Transport of dangerous goods by sea:		
With regard to IMDG 40-20:		
14.	1 UN number or ID number:	UN1993
14.	2 UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))
14	3 Transport hazard class(es):	3
\mathbf{V}	Labels:	3
14.	4 Packing group:	III
14.	5 Marine pollutant:	Yes
14.	6 Special precautions for user	
	Special regulations:	274, 223, 955
	EmS Codes:	F-E, S-E
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
	Segregation group:	Non-applicable
14.	7 Maritime transport in bulk according to IMO instruments:	Non-applicable
Transport of dangerous goods by air:		
With regard to IATA/IC	AO 2023:	
14.	1 UN number or ID number:	UN1993
	2 UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))
14	3 Transport hazard class(es):	3
	Labels:	3
14.		III
14.		Yes
14.	6 Special precautions for user	
	Physico-Chemical properties:	see section 9
14.	7 Maritime transport in bulk according to IMO instruments:	Non-applicable

SECTION 15: REGULATORY INFORMATION

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

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains 3-iodo-2-propynyl Butylcarbamate, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable



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SECTION 15: REGULATORY INFORMATION (continued)

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: 3-iodo-2-propynyl Butylcarbamate (Product-type 6, 7, 8, 9, 10, 13) ; propan-2-ol (Product-type 1, 2, 4) ; Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (Product-type 2, 4, 6, 11, 12, 13) REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Shall not be used in:

-ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, -tricks and jokes,

-games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Contains Octamethylcyclotetrasiloxane, Decamethylcyclopentasiloxane. 1. | Shall not be placed on the market in wash-off cosmetic products in a concentration equal to or greater than 0,1 % by weight of either substance, after 31 January 2020. | 2. | For the purposes of this entry, "wash-off cosmetic products" means cosmetic products as defined in Article 2(1)(a) of Regulation (EC) No 1223/2009 that, under normal conditions of use, are washed off with water after application.'

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

Chemicals (Amendment) Act 2010 (No. 32 of 2010) as amended by S.I. No. 623/2015- Safety, Health and Welfare at Work (Chemical Agents) (Amendment) Regulations 2015

Chemicals Act 2008 (No. 13 of 2008)

Safety, Health and Welfare (chemical agents) (amendment) regulations 2021 (S.I. No. 232 of 2021) and associated Code of Practice Chemical Agents Regulations (S.I. No. 619 of 2001)

European Communities (Waste Directive) Regulations, S.I. No. 126 of 2011

S.I. No. 315/2016 - European Union (Waste Directive) (Amendment) Regulations 2016.

S.I. No. 323/2020 - European Union (Waste Directive) Regulations 2020

Chemicals Act (Control of Major Accident Hazards involving Dangerous Substances) Regulations 2015 (S.I. No. 209 of 2015)

The Chemicals Act (CLP Regulation) Regulations 2011 (S.I. No. 102 of 2011)

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878)

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H411: Toxic to aquatic life with long lasting effects.

H336: May cause drowsiness or dizziness.

H372: Causes damage to organs through prolonged or repeated exposure (Inhalation).

H226: Flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual

components which appear in section 3

CLP Regulation (EC) No 1272/2008:



Date of compilation: 01/11/2023 Version: 1 SECTION 16: OTHER INFORMATION (continued) Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled. Acute Tox. 3: H301 - Toxic if swallowed. Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled. Acute Tox. 3: H331 - Toxic if inhaled. Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled. Acute Tox. 4: H332 - Harmful if inhaled. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Eye Dam. 1: H318 - Causes serious eye damage. Eye Irrit. 2: H319 - Causes serious eye irritation. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Flam. Liq. 3: H226 - Flammable liquid and vapour. Repr. 2: H361d - Suspected of damaging the unborn child. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Corr. 1C: H314 - Causes severe skin burns and eye damage. Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Skin Sens. 1A: H317 - May cause an allergic skin reaction. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation). STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral). STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure. STOT SE 1: H370 - Causes damage to organs. STOT SE 3: H335 - May cause respiratory irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. **Classification procedure:** Aquatic Chronic 2: Calculation method STOT SE 3: Calculation method STOT RE 1: Calculation method Flam. Liq. 3: Calculation method (2.6.4.3) Advice related to training: Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product. Principal bibliographical sources: http://echa.europa.eu http://eur-lex.europa.eu Abbreviations and acronyms: ADR: European agreement concerning the international carriage of dangerous goods by road IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation COD: Chemical Oxygen Demand BOD5: 5day biochemical oxygen demand BCF: Bioconcentration factor LD50: Lethal Dose 50 LC50: Lethal Concentration 50 EC50: Effective concentration 50 LogPOW: Octanolwater partition coefficient Koc: Partition coefficient of organic carbon UFI: unique formula identifier IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.