

ULTRIMAX POLYURETHANE TOPCOAT

HEALTH AND SAFETY DATA SHEET

Prepared in according to 29 CFR 1910.1200

Date of compilation: 22/02/2017


Revised Date: 29/08/2023

Version: 21

1. PRODUCT AND COMPANY IDENTIFICATION

1.1	Product Code	Polyurethane Topcoat UMX019
	Other means of identification	WO3019M - Matt 10% WO3019SM - Semi-Matt 20% WO3019SA - Satin 40% WO3019G - Gloss 95%
1.2	Relevant identified uses of the substance or mixture and uses advised against	Relevant uses: Product for varnishing wood. For industrial use only. Uses advised against: All uses not specified in this section or in section 7.3
1.3	Name, Address, Telephone Number of the chemical manufacturer	Ultrimax Coatings Ltd Shaw Lane Industrial Estate, Ogden Road, Doncaster, DN2 4SE 01302 856666
1.4	Emergency phone number	01302 856666

2. HAZARD(S) IDENTIFICATION

2.1	Classification of the substance or mixture	<p>Classification of this product has been carried out in accordance with CLP Regulation(EC) No 1272/2008.</p> <p>Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412</p> <p>Eye Irrit. 2: Eye irritation, Category 2, H319</p> <p>Flam. Liq. 2: Flammable liquids, Category 2, H225</p> <p>Repr. 2: Reproductive toxicity, Category2, H361d</p> <p>Skin Irrit. 2: Skin irritation, Category 2, H315</p> <p>STOT RE 2: Specific target organ toxicity — Repeated exposure, Hazard Category2, H373</p> <p>STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335</p> <p>STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336</p>
	CLP Regulation (EC) No 1272/2008	
2.2	Label elements	<p>Danger</p> 
	CLP Regulation (EV) No 1272/2008	
	Hazard statements	<p>Harmful to aquatic life with long lasting effects.</p> <p>Causes serious eye irritation.</p> <p>Highly flammable liquid and vapour.</p> <p>Suspected of damaging the unborn child.</p> <p>Causes skin irritation.</p> <p>May cause damage to organs through prolonged or repeated exposure.</p> <p>May cause respiratory irritation.</p> <p>May cause drowsiness or dizziness.</p>

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2.2	Precautionary statements	<p>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.</p> <p>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>IF exposed or concerned: Get medical advice/attention.</p> <p>In case of fire: Use ABC powder extinguisher to extinguish.</p>
	Supplementary information	Contains maleic anhydride. May produce an allergic reaction
	Substances that contribute to the classification	Reaction mass of ethylbenzene and xylene; Ethyl acetate; N-butyl acetate; Propyl acetate
2.3	Other hazards	<p>Product does not meet PBT/vPvB criteria</p> <p>Endocrine-disrupting properties: The product does not meet the criteria.</p>

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1	Substances	Not applicable (N/A)																			
	Mixtures	Mixture of substances																			
	Chemical description	In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:																			
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		Identification	Chemical name/Classification	Concentration
3.2	Components	CAS: 108-88-3 EC: 203-625-9 Index: 601-021-00-3 REACH: 01-2119471310-51-XXXX	Toluene ⁽¹⁾ Self-Classified	2.5-<5%
			Regulation 1272/2008	
		CAS: 78-93-3 EC: 201-159-0 Index: 606-002-00-3 REACH: 01-2119457290-43-XXXX	Butanone ⁽¹⁾ ATP CLP00	1-<2.5%
			Regulation 1272/2008	
		CAS: 67-63-0 EC: 200-661-7 Index: 603-117-00-0 REACH: 01-2119457558-25-XXXX	propan-2-ol ⁽¹⁾ ATP CLP00	1-<2.5%
			Regulation 1272/2008	
		CAS: 1330-20-7 EC: 215-535-7 Index: 601-022-00-9 REACH: 01-2119489370-35-XXXX	Xylene ⁽²⁾ ATP CLP00	<0.25%
			Regulation 1272/2008	
		CAS: 100-41-4 EC: 202-849-4 Index: 601-023-00-4 REACH: 01-2119489370-35-XXXX	Ethylbenzene ⁽²⁾ Self-Classified	<0.25%
			Regulation 1272/2008	
CAS: 95-63-6 EC: 202-436-9 Index: 601-043-00-3 REACH: 01-2119472135-42-XXXX	1,2,4-trimethylbenzene ⁽²⁾ ATP CLP00	<0.25%		
	Regulation 1272/2008		Acute Tox. 4: H332; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning	
CAS: 108-67-8 EC: 203-604-4 Index: 601-025-00-5 REACH: 01-2120738996-34-XXXX	Mesitylene ⁽²⁾ ATP CLP00	<0.25%		
	Regulation 1272/2008		Aquatic Chronic 2: H411; Flam. Liq. 3: H226; STOT SE 3: H335 - Warning	
CAS: 526-73-8 EC: 208-394-8 Index: N/A REACH: N/A	1,2,3-trimethylbenzene ⁽²⁾ Self-Classified	<0.25%		
	Regulation 1272/2008		Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning	

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

⁽²⁾ Substance with a Union workplace exposure limit

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<p>To obtain more information on the hazards of the substances consult sections 11, 12 and 16.</p>																				
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4. FIRST AID MEASURES

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	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.

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4.1	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 water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for 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	N/A

5. FIREFIGHTING MEASURES

5.1	Extinguishing media	If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO ₂) IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.
	Suitable extinguishing media	
	Unsuitable extinguishing media	
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.

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6. ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures	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 spilled 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 Non-emergency personnel	
	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.
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.

7. HANDLING AND STORAGE

7.1	Precautions for safe handling	<p>General Precautions for safe use</p> <p>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.</p>
		<p>Technical recommendations for the prevention of fires and explosions</p> <p>Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition(mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existenceof dangerous atmospheres inside containers, applying inertization systemswhere possible. Transfer at a slow speed to avoid the creationof 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 clothingand conductive footwear. Comply with the essential security requirementsfor equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimumrequirements for protecting the security and health of workers under the selectioncriteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.</p>

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7.1	Precautions for safe handling	C	Technical recommendations on general occupational hygiene PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. 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: 5°C
		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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control Parameters	Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation): Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:				
		Identification		Occupational exposure limits		
		N-butyl acetate CAS: 123-86-4 EC: 204-658-1		IOELV (8h)	50ppm	241mg/m ³
				IOELV (STEL)	150ppm	723mg/m ³
		Butanone CAS: 78-93-3 EC: 201-159-0		IOELV (8h)	200ppm	600mg/m ³
				IOELV (STEL)	300ppm	900mg/m ³
		Ethyl acetate CAS: 141-78-6 EC: 205-500-4		IOELV (8h)	200ppm	734mg/m ³
				IOELV (STEL)	400ppm	1468mg/m ³
		Xylene CAS: 1330-20-7 EC: 215-535-7		IOELV (8h)	50ppm	221mg/m ³
				IOELV (STEL)	100ppm	442mg/m ³
		Ethylbenzene CAS: 100-41-4 EC: 202-849-4		IOELV (8h)	100ppm	442mg/m ³
				IOELV (STEL)	200ppm	884mg/m ³
		Toluene CAS: 108-88-3 EC: 203-625-9		IOELV (8h)	50ppm	192mg/m ³
		IOELV (STEL)	100ppm	384mg/m ³		
Reaction mass of ethylbenzene and xylene CAS: N/A EC: 905-588-0		IOELV (8h)	50ppm	221mg/m ³		
		IOELV (STEL)	100ppm	442mg/m ³		
Cumene CAS: 98-82-8 EC: 202-704-5		IOELV (8h)	10ppm	50mg/m ³		
		IOELV (STEL)	50ppm	250mg/m ³		

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			IOELV (STEL)				
	Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831						
Control Parameters	Identification		Occupational exposure limits				
	1,2,4-trimethylebenzene CAS: 95-63-6 EC: 202-436-9		IOELV (8h)	20ppm	100mg/m ³		
			IOELV (STEL)				
	1,2,3-trimethylbenzene CAS: 526-73-8 EC: 208-394-8		IOELV (8h)	20ppm	100mg/m ³		
Control Parameters			IOELV (STEL)				
	Identification		Short exposure				
			Systemic	Local	Long exposure		
					Systemic	Local	
8.1 DNEL (Workers)	Reaction mass of ethylbenzene and xylene CAS: N/A EC: 905-588-0		Oral	N/A	N/A	N/A	N/A
			Dermal	N/A	N/A	212mg/kg	N/A
			Inhalation	442mg/m ³	442mg/m ³	221mg/m ³	221mg/m ³
	Ethyl acetate CAS: 141-78-6 EC: 205-500-4		Oral	N/A	N/A	N/A	N/A
			Dermal	N/A	N/A	63mg/kg	N/A
			Inhalation	1468mg/m ³	1468mg/m ³	734mg/m ³	734mg/m ³
	N-butyl acetate CAS: 123-86-4 EC: 204-658-1		Oral	N/A	N/A	N/A	N/A
			Dermal	11mg/kg	N/A	11mg/kg	N/A
			Inhalation	600mg/m ³	600mg/m ³	300mg/m ³	300mg/m ³
	Propyl acetate CAS: 109-60-4 EC: 203-686-1		Oral	N/A	N/A	N/A	N/A
			Dermal	N/A	N/A	N/A	N/A
			Inhalation	N/A	840mg/m ³	N/A	420mg/m ³
	Toluene CAS: 108-88-3 EC: 203-625-9		Oral	N/A	N/A	N/A	N/A
			Dermal	N/A	N/A	384mg/kg	N/A
			Inhalation	384mg/m ³	384mg/m ³	192mg/m ³	192mg/m ³
	Butanone CAS: 78-93-3 EC: 201-159-0		Oral	N/A	N/A	N/A	N/A
			Dermal	N/A	N/A	1161mg/kg	N/A
			Inhalation	N/A	N/A	600mg/m ³	N/A
	propan-2-ol CAS: 67-63-0 EC: 200-661-7		Oral	N/A	N/A	N/A	N/A
			Dermal	N/A	N/A	888mg/kg	N/A
			Inhalation	N/A	N/A	500mg/m ³	N/A
	Xylene CAS: 1330-20-7 EC: 215-535-7		Oral	N/A	N/A	N/A	N/A
			Dermal	N/A	N/A	212mg/kg	N/A
			Inhalation	442mg/m ³	442mg/m ³	221mg/m ³	221mg/m ³

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		Systemic	Local	Systemic	Local		
8.1	Ethylbenzene CAS: 100-41-4 EC: 202-849-4	Oral	N/A	N/A	N/A	N/A	
		Dermal	N/A	N/A	180mg/kg	N/A	
		Inhalation	N/A	293mg/m ³	77mg/m ³	N/A	
	1,2,4-trimethylbenzene CAS: 95-63-6 EC: 202-436-9	Oral	N/A	N/A	N/A	N/A	
		Dermal	N/A	N/A	16171mg/kg	N/A	
	Mesitylene CAS: 108-67-8 EC: 203-604-4	Inhalation	100mg/m ³	100mg/m ³	100mg/m ³	100mg/m ³	
		Oral	N/A	N/A	N/A	N/A	
	Cumene CAS: 98-82-8 EC: 202-704-5	Dermal	N/A	N/A	16171mg/kg	N/A	
		Inhalation	100mg/m ³	100mg/m ³	100mg/m ³	100mg/m ³	
	Reaction mass of ethylbenzene and xylene CAS: N/A EC: 905-588-0	Oral	N/A	N/A	N/A	N/A	
		Dermal	N/A	N/A	212mg/kg	N/A	
		Inhalation	442mg/m ³	442mg/m ³	221mg/m ³	221mg/m ³	
	maleic anhydride CAS: 108-31-6 EC: 203-571-6	Oral	N/A	N/A	N/A	N/A	
		Dermal	N/A	N/A	N/A	N/A	
		Inhalation	0.2mg/m ³	0.2mg/m ³	0.081mg/m ³	0.081mg/m ³	
DNEL (Workers)	Reaction mass of ethylbenzene and xylene CAS: N/A EC: 905-588-0	Oral	N/A	N/A	12.5mg/kg	N/A	
		Dermal	N/A	N/A	125mg/kg	N/A	
		Inhalation	260mg/m ³	260mg/m ³	65.3mg/m ³	65.3mg/m ³	
	Ethyl acetate CAS: 141-78-6 EC: 205-500-4	Oral	N/A	N/A	4.5mg/kg	N/A	
		Dermal	N/A	N/A	37mg/kg	N/A	
		Inhalation	734mg/m ³	734mg/m ³	367mg/m ³	367mg/m ³	
	N-butyl acetate CAS: 123-86-4 EC: 204-658-1	Oral	2mg/kg	N/A	2mg/kg	N/A	
		Dermal	6mg/kg	N/A	6mg/kg	N/A	
		Inhalation	300mg/m ³	300mg/m ³	35.7mg/m ³	35.7mg/m ³	
	Propyl acetate CAS: 109-60-4 EC: 203-686-1	Oral	N/A	N/A	N/A	N/A	
		Dermal	N/A	N/A	N/A	N/A	
		Inhalation	298mg/m ³	420mg/m ³	149mg/m ³	210mg/m ³	
	DNEL (General population)	Reaction mass of ethylbenzene and xylene CAS: N/A EC: 905-588-0	Oral	N/A	N/A	12.5mg/kg	N/A
			Dermal	N/A	N/A	125mg/kg	N/A
			Inhalation	260mg/m ³	260mg/m ³	65.3mg/m ³	65.3mg/m ³
Ethyl acetate CAS: 141-78-6 EC: 205-500-4		Oral	N/A	N/A	4.5mg/kg	N/A	
		Dermal	N/A	N/A	37mg/kg	N/A	
		Inhalation	734mg/m ³	734mg/m ³	367mg/m ³	367mg/m ³	
N-butyl acetate CAS: 123-86-4 EC: 204-658-1		Oral	2mg/kg	N/A	2mg/kg	N/A	
		Dermal	6mg/kg	N/A	6mg/kg	N/A	
		Inhalation	300mg/m ³	300mg/m ³	35.7mg/m ³	35.7mg/m ³	
Propyl acetate CAS: 109-60-4 EC: 203-686-1		Oral	N/A	N/A	N/A	N/A	
		Dermal	N/A	N/A	N/A	N/A	
		Inhalation	298mg/m ³	420mg/m ³	149mg/m ³	210mg/m ³	

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		Systemic	Local	Systemic	Local		
8.1	DNEL (General population)	Toluene CAS: 108-88-3 EC: 203-625-9	Oral	N/A	N/A	8,13 mg/kg	N/A
			Dermal	N/A	N/A	226 mg/kg	N/A
			Inhalation	226mg/m ³	226mg/m ³	56,5mg/m ³	56,5mg/m ³
		Butanone CAS: 78-93-3 EC: 201-159-0	Oral	N/A	N/A	8.13mg/kg	N/A
			Dermal	N/A	N/A	412mg/kg	N/A
			Inhalation	N/A	N/A	106mg/m ³	N/A
		propan-2-ol CAS: 67-63-0 EC: 200-661-7	Oral	N/A	N/A	26mg/kg	N/A
			Dermal	N/A	N/A	412mg/kg	N/A
			Inhalation	N/A	N/A	89mg/m ³	N/A
		Xylene CAS: 1330-20-7 EC: 215-535-7	Oral	N/A	N/A	12.5mg/kg	N/A
			Dermal	N/A	N/A	125mg/kg	N/A
			Inhalation	260mg/m ³	260mg/m ³	65.3mg/m ³	65.3mg/m ³
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	Oral	N/A	N/A	1.6mg/kg	N/A		
	Dermal	N/A	N/A	125mg/kg	N/A		
	Inhalation	N/A	N/A	15mg/m ³	N/A		
1,2,4-trimethylbenzene CAS: 95-63-6 EC: 202-436-9	Oral	N/A	N/A	15mg/kg	N/A		
	Dermal	N/A	N/A	9512mg/kg	N/A		
	Inhalation	29.4mg/m ³	29.4mg/m ³	29.4mg/m ³	29.4mg/m ³		
Mesitylene CAS: 108-67-8 EC: 203-604-4	Oral	N/A	N/A	15mg/kg	N/A		
	Dermal	N/A	N/A	9512mg/kg	N/A		
	Inhalation	29.4mg/m ³	29.4mg/m ³	29.4mg/m ³	29.4mg/m ³		
Cumene CAS: 98-82-8 EC: 202-704-5	Oral	N/A	N/A	6mg/kg	N/A		
	Dermal	N/A	N/A	1.2mg/kg	N/A		
	Inhalation	N/A	N/A	16.6mg/m ³	N/A		
Reaction mass of ethylbenzene and xylene CAS: N/A EC: 905-588-0	Oral	N/A	N/A	12.5mg/kg	N/A		
	Dermal	N/A	N/A	1.2mg/kg	N/A		
	Inhalation	260mg/m ³	260mg/m ³	65.3mg/m ³	65.3mg/m ³		
PNEC	Identification	Reaction mass of ethylbenzene and xylene CAS: N/A EC: 905-588-0	STP	6.58mg/L	Fresh Water	0.327mg/L	
			Soil	2.31mg/kg	Marine Water	0.327mg/L	
			Intermittent	0.327mg/L	Sediment (FW)	12.46/mg/kg	
			Oral	N/A	Sediment (MW)	12.46mg/kg	
			Ethyl acetate CAS: 141-78-6 EC: 205-500-4	STP	650mg/L	Fresh Water	0.24mg/L
				Soil	0.148mg/kg	Marine Water	0.024mg/L
				Intermittent	1.65mg/L	Sediment (FW)	1.15mg/kg
				Oral	0.2g/kg	Sediment (MW)	0.115mg/kg

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		Identification				
		STP	mg/L	Medium	mg/L	
8.1	PNEC	N-butyl acetate CAS: 123-86-4 EC: 204-658-1	Soil	35.6mg/L	Fresh Water	0.18mg/L
			Soil	0.09mg/kg	Marine Water	0.018mg/L
			Intermittent	0.36mg/L	Sediment (FW)	0.981mg/kg
			Oral	N/A	Sediment (MW)	0.098mg/kg
		Propyl acetate CAS: 109-60-4 EC: 203-686-1	STP	1mg/L	Fresh Water	0.06mg/L
			Soil	0.021mg/kg	Marine Water	0.006mg/L
			Intermittent	0.6mg/L	Sediment (FW)	0.16mg/kg
			Oral	N/A	Sediment (MW)	0.016mg/kg
		Toluene CAS: 108-88-3 EC: 203-625-9	STP	13.61mg/L	Fresh Water	0.68mg/L
			Soil	2.89mg/kg	Marine Water	0.68mg/L
			Intermittent	0.68mg/L	Sediment (FW)	16.39mg/kg
			Oral	N/A	Sediment (MW)	16.39mg/kg
		Butanone CAS: 78-93-3 EC: 201-159-0	STP	709mg/L	Fresh Water	55.8mg/L
			Soil	22.5mg/kg	Marine Water	55.8mg/L
			Intermittent	55.8mg/L	Sediment (FW)	284.74mg/kg
			Oral	1g/kg	Sediment (MW)	284.7mg/kg
		propan-2-ol CAS: 67-63-0 EC: 215-535-7	STP	2251mg/L	Fresh Water	140.9mg/L
			Soil	28mg/kg	Marine Water	140.9mg/L
			Intermittent	140.9mg/L	Sediment (FW)	552mg/kg
			Oral	0.16g/kg	Sediment (MW)	552mg/kg
		Xylene CAS: 1330-20-7 EC: 215-535-7	STP	6.58mg/L	Fresh Water	0.327mg/L
			Soil	2.31mg/kg	Marine Water	0.327mg/L
			Intermittent	0.327mg/L	Sediment (FW)	12.46mg/kg
			Oral	N/A	Sediment (MW)	12.46mg/kg
		Ethylbenzene CAS: 100-41-4 EC: 202-849-4	STP	9.6mg/L	Fresh Water	0.1mg/L
			Soil	2.68mg/kg	Marine Water	0.01mg/L
			Intermittent	0.1mg/L	Sediment (FW)	13.7mg/kg
			Oral	0.02g/kg	Sediment (MW)	1.37mg/kg
1,2,4-trimethylbenzene CAS: 95-63-6 EC: 203-604-4	STP	2.41mg/L	Fresh Water	0.101mg/L		
	Soil	2.34mg/kg	Marine Water	0.12mg/L		
	Intermittent	0.12mg/L	Sediment (FW)	13.56mg/kg		
	Oral	N/A	Sediment (MW)	13.56mg/kg		
Mesitylene CAS: 108-67-8 EC: 203-604-4	STP	2.02mg/L	Fresh Water	0.101mg/L		
	Soil	1.34mg/kg	Marine Water	0.101mg/L		
	Intermittent	0.101mg/L	Sediment (FW)	7.86mg/kg		
	Oral	N/A	Sediment (MW)	7.86mg/kg		

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8.1	PNEC	Identification				
		Cumene CAS: 98-82-8 EC: 202-704-5	STP	200mg/L	Fresh Water	0.035mg/L
			Soil	0.624mg/kg	Marine Water	0.004mg/L
			Intermittent	0.012mg/L	Sediment (FW)	3.22mg/kg
			Oral	N/A	Sediment (MW)	0.322mg/kg
		Reaction mass of ethylbenzene and xylene CAS: N/A EC: 905-588-0	STP	6.58mg/L	Fresh Water	0.327mg/L
			Soil	2.31mg/kg	Marine Water	0.327mg/L
			Intermittent	0.327mg/L	Sediment (FW)	12.46mg/kg
			Oral	N/A	Sediment (MW)	12.46mg/kg
		maleic anhydride CAS: 108-31-6 EC: 203-571-6	STP	44.6mg/L	Fresh Water	0.038mg/L
			Soil	0.037mg/kg	Marine Water	0.004mg/L
			Intermittent	0.379mg/L	Sediment (FW)	0.296mg/kg
			Oral	N/A	Sediment (MW)	0.03mg/kg
8.2	Exposure controls	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.				
		Respiratory protection				
		Pictogram	PPE	Labelling	CEN Standard	Remarks
			Filter mask for gases, vapours and particles		EN 149:2001+A1:2009 EN 405:2022+A1:2010 EN ISO 136:1998	Replace when an increase in resistance to breathing is observed and/or a smell or taste of the contaminant is detected.
		Mandatory respiratory tract protection				
Specific protection for the hands						
Pictogram	PPE	Labelling	CEN Standard	Remarks		
	Chemical protective gloves (material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062mm)		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.		
Mandatory hand protection						
As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and is to be checked prior to the application.						

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8.2	Exposure controls	Eye and face protection				
		Pictogram	PPE	Labelling	CEN Standard	Remarks
		 Mandatory face protection	Face Shield		EN 166:2002 EN 167:2002 EN 168:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacture's instructions. Use if there is a risk of splashing.
		Body protection				
8.2	Exposure controls	Pictogram	PPE	Labelling	CEN Standard	Remarks
		 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties		EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994	For professional use only. Clean periodically according to the manufacturer's instructions.
		 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties.		EN ISO 13287:2020 EN ISO 20345:2011 EN 13832-1:2019	Replace the boots at any sign of deterioration.
8.2	Exposure controls	Additional Emergency measures				
		Emergency measure	Standards	Emergency Measure	Standards	
		Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 38644:2011	
	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.				
	Volatile organic compounds	With regard to Directive 2010/75/EU, this product has the following characteristics: V.O.C (Supply): 53.53% weight V.O.C. density at 25°C: 541.12kg/m ³ (541.12 g/L) Average carbon number: 6.49 Average molecular weight: 101.29 g/mol				

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9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties		For complete information see the product datasheet	
9.1	Appearance	Physical state at 20°C	Liquid
		Appearance	N/A
		Colour	N/A
		Odour	N/A
		Odour Threshold	N/A*
	Volatility	Boiling point at atmospheric pressure	112°C
		Vapour pressure at 25°C	4464 Pa
		Vapour pressure at 50°C	14268.88 pa (14.27 Kpa)
		Evaporation rate at 25°C	N/A*
	Product description	Density at 25°C	1010.9 kg/m ³
		Relative density at 25°C	1.011
		Dynamic viscosity at 25°C	N/A*
		Kinematic viscosity at 25°C	453 mm ² /s
		Kinematic viscosity at 40°C	N/A*
		Concentration	N/A*
		pH	N/A*
		Vapour density at 25 °C	N/A*
		Partition coefficient n-octanol/water 25 °C	N/A*
		Solubility in water at 25 °C	N/A*
		Solubility properties	N/A*
Decomposition temperature		N/A*	
Melting point/freezing point		N/A*	
Flammability	Flash point	16°C	
	Flammability (solid, gas)	N/A*	
	Autoignition temperature	392°C	
	Lower flammability limit	N/A*	
	Upper flammability limit	N/A*	
Particle characteristics	Median equivalent diameter	N/A	
9.2	Other information Information with regard to physical hazard classes	Explosive properties	N/A*
		Oxidising properties	N/A*
		Corrosive to metals	N/A*
		Heat of combustion	N/A*
		Aerosols-total percentage (by mass) of flammable components	N/A
	Other safety characteristics	Surface tension at 25°C	N/A*
Refraction index		N/A*	

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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										
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 avoid	Applicable for handling and storage at room temperature: <table border="1"> <tr> <td>Shock and friction</td> <td>N/A</td> </tr> <tr> <td>Contact with air</td> <td>N/A</td> </tr> <tr> <td>Increase in temperature</td> <td>Risk of Combustion</td> </tr> <tr> <td>Sunlight</td> <td>Avoid Direct Impact</td> </tr> <tr> <td>Humidity</td> <td>N/A</td> </tr> </table>	Shock and friction	N/A	Contact with air	N/A	Increase in temperature	Risk of Combustion	Sunlight	Avoid Direct Impact	Humidity	N/A
Shock and friction	N/A											
Contact with air	N/A											
Increase in temperature	Risk of Combustion											
Sunlight	Avoid Direct Impact											
Humidity	N/A											
10.5	Incompatible materials	<table border="1"> <tr> <td>Acids</td> <td>Avoid strong acids</td> </tr> <tr> <td>Water</td> <td>N/A</td> </tr> <tr> <td>Oxidising materials</td> <td>Avoid direct impact</td> </tr> <tr> <td>Combustible materials</td> <td>N/A</td> </tr> <tr> <td>Others</td> <td>Avoid alkalis or strong bases</td> </tr> </table>	Acids	Avoid strong acids	Water	N/A	Oxidising materials	Avoid direct impact	Combustible materials	N/A	Others	Avoid alkalis or strong bases
Acids	Avoid strong acids											
Water	N/A											
Oxidising materials	Avoid direct impact											
Combustible materials	N/A											
Others	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 (CO ₂), carbon monoxide and other organic compounds.										

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 of health may result, depending on the means of exposure:

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11.1	Dangerous health implications	<p style="text-align: center;">Ingestion (acute effect):</p> <ul style="list-style-type: none"> 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: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
		<p style="text-align: center;">Inhalation (acute effect):</p> <ul style="list-style-type: none"> 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.
		<p style="text-align: center;">Contact with the skin and the eyes (acute effect):</p> <ul style="list-style-type: none"> Contact with the skin: Produces skin inflammation Contact with the eyes: Produces eye damage after contact
		<p style="text-align: center;">CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):</p> <ul style="list-style-type: none"> Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3. <p>IARC: Reaction mass of ethylbenzene and xylene (3); Xylene (3); Ethylbenzene (2B); Polyethylene wax (3); Toluene(3); Reaction mass of ethylbenzene and xylene (3); Cumene (2B); Hydrocarbons, C9, aromatics(3); propan-2-ol (3)</p> <ul style="list-style-type: none"> 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: Suspected of damaging the unborn child.
		<p style="text-align: center;">Sensitizing effects</p> <ul style="list-style-type: none"> Respiratory: 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. 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.
		<p style="text-align: center;">Specific target organ toxicity (STOT) - single exposure</p> <ul style="list-style-type: none"> Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.
		<p style="text-align: center;">Specific target organ toxicity (STOT)-repeated exposure</p> <ul style="list-style-type: none"> Specific target organ toxicity (STOT)-repeated 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. Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
		<p style="text-align: center;">Aspiration hazard</p> <p>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.</p>

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11.1	Specific toxicology information on the substances	Identification			Acute Toxicity		Genus
		N-butyl acetate CAS: 123-86-4 EC: 204-658-1	LD50 oral	12789 mg/kg		Rat	
	LD50 dermal	14112mg/kg		Rabbit			
	LC50 inhalation	23.4mg/L (4h)		Rat			
Butanone CAS: 78-93-3 EC: 201-159-0	LD50 oral	4000mg/kg		Rat			
	LD50 dermal	6400mg/kg		Rabbit			
	LC50 inhalation	23.5mg/L (4h)		Rat			
Reaction mass of ethylbenzene and xylene CAS: N/A EC: 905-588-0	LD50 oral	2100mg/kg		Rat			
	LD50 dermal	1100mg/kg		Rat			
	LC50 inhalation	11mg/L (4h)		Rat			
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	LD50 oral	4100mg/kg		Rat			
	LD50 dermal	20000mg/kg		Rabbit			
	LC50 inhalation	>20mg/L					
Toluene CAS: 108-88-3 EC: 203-686-1	LD50 oral	5580mg/kg		Rat			
	LD50 dermal	12124mg/kg		Rat			
	LC50 inhalation	28.1mg/L (4h)		Rat			
Propyl acetate CAS: 109-60-4 EC: 203-686-1	LD50 oral	>2000mg/kg					
	LD50 dermal	>2000mg/kg					
	LC50 inhalation	>20mg/L					
propan-2-ol CAS: 67-63-0 EC: 200-661-7	LD50 oral	5280mg/kg		Rat			
	LD50 dermal	12800mg/kg		Rat			
	LC50 inhalation	72.6mg/L		Rat			
Xylene CAS: 1330-20-7 EC: 215-535-7	LD50 oral	3523mg/kg		Rat			
	LD50 dermal	1100mg/kg					
	LC50 inhalation	>20mg/L					
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	LD50 oral	3500mg/kg		Rat			
	LD50 dermal	15354mg/kg		Rabbit			
	LC50 inhalation	17.2mg/L (4h)		Rat			
1,2,4-trimethylbenzene CAS: 95-63-6 EC: 202-436-9	LD50 oral	3400mg/kg		Rat			
	LD50 dermal	3160mg/kg		Rabbit			
	LC50 inhalation	11mg/L (4h)		Rat			
Mesitylene CAS: 108-67-8 EC: 203-604-4	LD50 oral	6000mg/kg		Rat			
	LD50 dermal	>2000mg/kg					
	LC50 inhalation	>20mg/L					
1,2,3-trimethylbenzene CAS: 526-73-8 EC: 208-394-8	LD50 oral	>2000mg/kg					
	LD50 dermal	>2000mg/kg					
	LC50 inhalation	>20mg/L					

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11.1	Specific toxicology information on the substances	Identification	Acute Toxicity		Genus
		Cumene CAS: 98-82-8 EC: 202-704-5	LD50 oral	2700mg/kg	
		LD50 dermal	>2000mg/kg		
		LC50 inhalation	>20mg/L		
	Reaction mass of ethylbenzene and xylene CAS: N/A EC: 905-588-0	LD50 oral	2100mg/kg	Rat	
		LD50 dermal	1100mg/kg	Rat	
		LC50 inhalation	11mg/L (4h)	Rat	
	maleic anhydride CAS: 108-31-6 EC: 203-571-6	LD50 oral	1090mg/kg	Rat	
		LD50 dermal	>200mg/kg		
		LC50 inhalation	>5mg/L		
11.2	Information on other hazards	Endocrine-disrupting properties: The product does not meet the criteria			
	Endocrine disrupting properties				
	Other information	N/A			

12. ECOLOGICAL INFORMATION

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

Harmful to aquatic life with long lasting effects.

12.1	Acute toxicity	Identification	Concentration		Species	Genus
		Reaction mass of ethylbenzene and xylene CAS: N/A EC: 905-588-0	LC50	>10-100mg/L (96h)		
	EC50	>10-100mg/L (48h)			Crustacean	
	EC50	>10-100mg/L (72h)			Algae	
	Ethyl acetate CAS: 141-78-6 EC: 205-500-4	LC50	230mg/L (96h)	Pimephales promelas	Fish	
		EC50	717mg/L (48h)	Daphnia magna	Crustacean	
		EC50	330mg/L (48h)	Scenedesmus subspicatus	Algae	
	N-butyl acetate CAS: 123-86-4 EC: 204-658-1	LC50	N/A			
		EC50	N/A			
		EC50	675mg/L (72h)	Scenedesmus subspicatus	Algae	
	Toluene CAS: 108-88-3 EC: 203-625-9	LC50	13mg/L (96h)	Carassius auratus	Fish	
		EC50	11.5mg/L (48h)	Daphnia magna	Crustacean	
		EC50	N/A			

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Toxicity	Identification	Concentration		Species	Genus
12.1 Acute toxicity	Butanone CAS: 78-93-3 EC: 201-159-0	LC50	3220mg/L (96h)	Carassius auratus	Fish
		EC50	5091mg/L (48h)	Daphnia magna	Crustacean
		EC50	4300mg/L (168h)	Scenedesmus quadricauda	Algae
	propan-2-ol CAS: 67-63-0 EC: 200-661-7	LC50	9640mg/L (96h)	Pimephales promelas	Fish
		EC50	13299mg/L (48h)	Daphnia magna	Crustacean
		EC50	1000mg/L (72h)	Scenedesmus subspicatus	Algae
	Ethylbenzene CAS: 100-41-4 EC: 202-849-4	LC50	42.3mg/L (96h)	Pimephales promelas	Fish
		EC50	75mg/L (48h)	Daphnia magna	Crustacean
		EC50	63mg/L (3h)	Chlorella vulgaris	Algae
	1,2,4-trimethylbenzene CASL 95-63-6 EC: 202-436-9	LC50	7.72mg/L (96h)	Pimephales promelas	Fish
		EC50	6.14mg/L (48h)	Daphnia magna	Crustacean
		EC50	N/A		
	Mesitylene CAS: 108-67-8 EC: 203-604-4	LC50	12.5mg/L (96h)	Carassius auratus	Fish
		EC50	50mg/L (24h)	Daphnia magna	Crustacean
		EC50	53mg/L (48h)	Scenedesmus subspicatus	Algae
Cumene CAS: 98-82-8 EC: 202-704-5	LC50	2.7mg/L (96h)	Salmo gaidneri	Fish	
	EC50	10.8mg/L (48h)	Daphnia magna	Crustacean	
	EC50	2.6mg/L (72h)	Selenastrum capricornutum	Algae	
Chronic toxicity	Reaction mass of ethylbenzene and xylene CAS: N/A EC: 905-588-0	NOEC	1.3m/L	Oncorhynchus mykiss	Fish
		NOEC	1.17mg/L	Ceriodaphnia dubia	Crustacean
	Ethyl acetate CAS: 141-78-6 EC: 205-500-4	NOEC	9.65mg/L	Pimephales promelas	Fish
		NOEC	2.4mg/L	Daphnia magna	Crustacean
	N-butyl acetate CAS: 123-86-4 EC: 204-658-1	NOEC	N/A		
		NOEC	23.2mg/L	Daphnia magna	Crustacean
	Xylene CAS: 1330-20-7 EC: 215-535-7	NOEC	1.3mg/L	Oncorhynchus mykiss	Fish
NOEC		1.17mg/L	Ceriodaphnia dubia	Crustacean	

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Toxicity		Identification	Concentration		Species	Genus
12.1	Chronix toxicity	Ethylbenzene CAS: 100-41-4 EC: 202-849-4	NOEC	N/A		
			NOEC	0.96mg/L	Ceriodaphnia dubia	Crustacean
		Mesitylene CAS: 108-67-8 EC: 203-604-4	NOEC	0.277mg/L	N/A	Fish
			NOEC	0.4mg/L	Daphnia magna	Crustacean
		Cumene CAS: 98-82-8 EC: 202-704-5	NOEC	0.38mg/L	Pimephales promelas	Fish
			NOEC	0.35mg/L	Daphnia magna	Crustacean
		Reaction mass of ethylbenzene and xylene CAS: N/A EC: 905-588-0	NOEC	1.3mg/L	Oncorhynchus mykiss	Fish
			NOEC	1.17mg/L	Ceriodaphnia dubia	Crustacean
Persistence and degradability		Identification	Degradability		Biodegradability	
12.2	Substance-specific information	Ethyl acetate CAS: 141-78-6 EC: 205-500-4	BOD5	1.36g O2/g	Concentration	100mg/L
			COD	1.69g O2/g	Period	14 days
			BOD5/COD	0.8	% Biodegradable	83%
		N-butyl acetate CAS: 123-86-4 EC: 204-658-1	BOD5	N/A	Concentration	N/A
			COD	N/A	Period	5 days
			BOD5/COD	N/A	% Biodegradable	84%
		Toluene CAS: 108-88-3 EC: 203-625-9	BOD5	2.5g O2/g	Concentration	100mg/L
			COD	N/A	Period	14 days
			BOD5/COD	N/A	% Biodegradable	100%
		Butanone CAS: 78-93-3 EC: 201-159-0	BOD5	2.03g O2/g	Concentration	100mg/L
			COD	2.31g O2/g	Period	20 days
			BOD5/COD	0.88	% Biodegradable	89%
		prop-2-ol CAS: 67-63-0 EC: 200-661-7	BOD5	1.19g O2/g	Concentration	N/A
			COD	2.23g O2/g	Period	14 days
			BOD5/COD	0.53	% Biodegradable	86%
		Xylene CAS: 1330-20-7 EC: 215-535-7	BOD5	N/A	Concentration	N/A
			COD	N/A	Period	28 days
			BOD5/COD	N/A	% Biodegradable	88%
		Ethylbenzene CAS: 100-41-4 EC: 202-849-4	BOD5	N/A	Concentration	100mg/L
			COD	N/A	Period	14 days
			BOD5/COD	N/A	% Biodegradable	90%
		1,2,4-trimethylbenzene CAS: 95-63-6 EC: 202-436-9	BOD5	N/A	Concentration	100mg/L
			COD	N/A	Period	28 days
			BOD5/COD	N/A	% Biodegradable	18%

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12.2	Substance-specific information	Identification	Degradability		Biodegradability	
		Mesitylene CAS: 108-67-8 EC: 203-604-4	BOD5	N/A	Concentration	100mg/L
		COD	N/A	Period	14 days	
		BOD5/COD	N/A	% Biodegradable	0%	
	Cumene CAS: 98-82-8 EC: 202-704-5	BOD5	N/A	Concentration	100mg/L	
		COD	N/A	Period	14 days	
		BOD5/COD	N/A	% Biodegradable	40%	
	maleic anhydride CAS: 108-31-6 EC: 203-571-6	BOD5	N/A	Concentration	33.33mg/L	
		COD	N/A	Period	29 days	
		BOD5/COD	N/A	% Biodegradable	98.19	
12.3	Substance-specific information	Identification	Bioaccumulation potential			
		Reaction mass of ethylbenzene and xylene CAS: N/A EC: 905-588-0	BCF	9		
		Pow Log	2.77			
		Potential	Low			
	Ethyl acetate CAS: 141-78-6 EC: 205-500-4	BCF	30			
		Pow Log	0.73			
		Potential	Moderate			
	N-butyl acetate CAS: 123-86-4 EC: 204-658-1	BCF	4			
		Pow Log	1.78			
		Potential	Low			
	Toluene CAS: 108-88-3 EC: 203-625-9	BCF	90			
		Pow Log	2.73			
		Potential	Moderate			
	Butanone CAS: 78-93-3 EC: 201-159-0	BCF	3			
		Pow Log	0.29			
		Potential	Low			
	propan-2-ol CAS: 67-63-0 EC: 200-661-7	BCF	3			
		Pow Log	0.05			
		Potential	Low			
	Xylene CAS: 1330-20-7 EC: 215-535-7	BCF	9			
		Pow Log	2.77			
		Potential	Low			
	Ethylbenzene CAS: 100-41-4 EC: 202-849-4	BCF	1			
		Pow Log	3.15			
		Potential	Low			
	1,2,4-trimethylbenzene CAS: 95-63-6 EC: 202-436-9	BCF	154			
		Pow Log	3.78			
		Potential	High			

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12.3	Substance-specific information	Identification		Bioaccumulation potential					
		Mesitylene CAS: 108-67-8 EC: 203-604-4		BCF	182				
				Pow Log	3.42				
				Potential	High				
		Cumene CAS: 98-82-8 EC: 202-704-5		BCF	120				
				Pow Log	3.66				
				Potential	High				
		Reaction mass of ethylbenzene and xylene CAS: Non-applicable EC: 905-588-0		BCF	9				
				Pow Log	2.77				
				Potential	Low				
		maleic anhydride CAS: 108-31-6 EC: 203-571-6		BCF					
				Pow Log	-2.61				
				Potential					
12.4	Mobility in soil	Identification		Absorption/desorption		Volatility			
		Ethyl acetate CAS: 141-78-6 EC: 205-500-4		Koc	59		Henry	13.58 Pa·m ³ /mol	
				Conclusion	Very High		Dry Soil	Yes	
				Surface Tension	2.324E-2 N/m (25°C)		Moist Soil	Yes	
		N-butyl acetate CAS: 123-86-4 EC: 204-658-1		Koc	N/A		Henry	N/A	
				Conclusion	N/A		Dry Soil	N/A	
				Surface Tension	2,478E-2 N/m (25 °C)		Moist Soil	N/A	
		Propyl acetate CAS: 109-60-4 EC: 203-686-1		Koc	N/A		Henry	N/A	
				Conclusion	N/A		Dry Soil	N/A	
				Surface Tension	2,386E-2 N/m (25 °C)		Moist Soil	N/A	
		Toluene CAS: 108-88-3 EC: 203-625-9		Koc	178		Henry	672,8 Pa·m ³ /mol	
				Conclusion	Moderate		Dry Soil	Yes	
				Surface Tension	2,793E-2 N/m (25 °C)		Moist Soil	Yes	
		Butanone CAS: 78-93-3 EC: 201-159-0		Koc	30		Henry	5,77 Pa·m ³ /mol	
				Conclusion	Very High		Dry Soil	Yes	
				Surface Tension	2,396E-2 N/m (25 °C)		Moist Soil	Yes	
		propan-2-ol CAS: 67-63-0 EC: 200-661-7		Koc	1.5		Henry	8,207E-1 Pa·m ³ /mol	
				Conclusion	Very High		Dry Soil	Yes	
				Surface Tension	2,24E-2 N/m (25 °C)		Moist Soil	Yes	
		Xylene CAS: 1330-20-7 EC: 215-535-7		Koc	202		Henry	524,86 Pa·m ³ /mol	
				Conclusion	Moderate		Dry Soil	Yes	
				Surface Tension	N/A		Moist Soil	Yes	

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		Identification		Absorption/desorption		Volatility	
12.4	Mobility in soil	Ethylbenzene CAS: 100-41-4 EC: 202-849-4	Koc	520	Henry	798,44 Pa·m ³ /mol	
			Conclusion	Moderate	Dry Soil	Yes	
			Surface Tension	2,859E-2 N/m (25 °C)	Moist Soil	Yes	
		1,2,4-trimethylbenzene CAS: 95-63-6 EC: 202-436-9	Koc	537	Henry	624,16 Pa·m ³ /mol	
			Conclusion	Low	Dry Soil	Yes	
			Surface Tension	2,919E-2 N/m (25 °C)	Moist Soil	Yes	
		Mesitylene CAS: 108-67-8 EC: 203-604-4	Koc	1445	Henry	888,62 Pa·m ³ /mol	
			Conclusion	Low	Dry Soil	Yes	
			Surface Tension	2,805E-2 N/m (25 °C)	Moist Soil	Yes	
		1,2,3-trimethylbenzene CAS: 526-73-8 EC: 208-394-8	Koc	N/A	Henry	N/A	
			Conclusion	N/A	Dry Soil	N/A	
			Surface Tension	3,075E-2 N/m (25 °C)	Moist Soil	N/A	
		Cumene CAS: 98-82-8 EC: 202-704-5	Koc	N/A	Henry	N/A	
			Conclusion	N/A	Dry Soil	N/A	
			Surface Tension	2,769E-2 N/m (25 °C)	Moist Soil	N/A	
maleic anhydride CAS: 108-31-6 EC: 203-571-6	Koc	42	Henry	0E+0 Pa·m ³ /mol			
	Conclusion	Very High	Dry Soil	N/A			
	Surface Tension	1,673E-2 N/m (250,21°C)	Moist Soil	N/A			
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					

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13. DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	<table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> <th>Waste Class (Regulation (EU) No 1357/2014)</th> </tr> </thead> <tbody> <tr> <td>08 01 11*</td> <td>Waste paint and varnish containing organic solvents or other hazardous substances</td> <td>Dangerous</td> </tr> </tbody> </table>	Code	Description	Waste Class (Regulation (EU) No 1357/2014)	08 01 11*	Waste paint and varnish containing organic solvents or other hazardous substances	Dangerous
	Code	Description	Waste Class (Regulation (EU) No 1357/2014)					
	08 01 11*	Waste paint and varnish containing organic solvents or other hazardous substances	Dangerous					
	Type of waste (Regulation (EU) No 1357/2014)	HP14 Ecotoxic, HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP6 Acute Toxicity, HP10 Toxic for reproduction, HP4 Irritant— skin irritation and eye damage.						
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/EC) 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							

14. TRANSPORT INFORMATION

		Transport of dangerous goods by land With regard to ADR 2023 and RID 2023	Transport of dangerous goods by sea With regard to IMDG 40-20	Transport of dangerous goods by air With regard to IATA/ICAO 2023
14.1	UN number or ID number	UN1261	UN1263	UN1263
14.2	UN proper shipping name	Paint	Paint	Paint
14.3	Transport hazard class(es) Labels	3 3	3 3	3 3
14.4	Packing group	III	III	III
14.5	Environmental hazards	No	No	No
14.6	Special precautions for user Special regulations Tunnel restriction code Physico-Chemical properties Limited quantities	163, 367, 650 D/E see section 9 5L	223, 955, 163, 367 F-E, S-E See section 9 5L	See section 9
14.7	Maritime transport in bulk according to IMO instruments	N/A	N/A	N/A

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15. REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	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 Regulation (EC) No 1005/2009,about substances that deplete the ozone layer: Non-applicable Article 95, REGULATION (EU) No 528/2012:propan-2-ol (Product-type 1, 2, 4) REGULATION (EU) No 649/2012,in relation to the import and export of hazardous chemical products: Non-applicable			
	Seveso III	Section	Description	Lower-tier requirements	Upper-tier requirements
		P5c	FLAMMABLE LIQUIDS	5000	50000
	Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc...)	<p>Shall not be used in:</p> <ul style="list-style-type: none"> 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.' Contains more than 0.1 % of Toluene by weight. Shall not be placed on the market, or used, as a substance or in mixtures in a concentration equal to or greater than 0,1 % by weight where the substance or mixture is used in adhesives or spray paints intended for supply to the general public. 			
	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	The product could be affected by sectorial legislation			
15.2	Chemical safety assessment	The supplier has not carried out evaluation of chemical safety			

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16. OTHER INFORMATION

Legislation related to safety data sheets	The SDS shall be supplied in an official language of the country where the product is placed on the market. 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	<p>COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3):</p> <ul style="list-style-type: none">Removed substances<ul style="list-style-type: none">Reaction mass of ethylbenzene and m-xylene and p-xyleneSubstances that contribute to the classification (SECTION 2)New declared substances<ul style="list-style-type: none">Propyl acetate (109-60-4)Removed substances<ul style="list-style-type: none">Reaction mass of ethylbenzene and m-xylene and p-xyleneCLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16)Hazard statements
Texts of the legislative phrases mentioned in section 2	<p>H335: May cause respiratory irritation. H336: May cause drowsiness or dizziness. H315: Causes skin irritation. H373: May cause damage to organs through prolonged or repeated exposure. H412: Harmful to aquatic life with long lasting effects. H361d: Suspected of damaging the unborn child. H225: Highly flammable liquid and vapour H319: Causes serious eye irritation.</p>
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.

ULTRIMAX POLYURETHANE TOPCOAT

HEALTH AND SAFETY DATA SHEET

Prepared in according to 29 CFR 1910.1200

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<p>CLP regulation (EC) no 1272/2008</p>	<p>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 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. Carc. 1B: H350 - May cause cancer. 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. Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Irrit. 2: H315 - Causes skin irritation. 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 2: H373 - May cause damage to organs through prolonged or repeated exposure (Inhalation). STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure. STOT SE 3: H335 - May cause respiratory irritation. STOT SE 3: H336 - May cause drowsiness or dizziness.</p>
<p>Classification procedure</p>	<p>STOT SE 3: Calculation method STOT SE 3: Calculation method Skin Irrit. 2: Calculation method STOT RE 2: Calculation method Aquatic Chronic 3: Calculation method Repr. 2: Calculation method Flam. Liq. 2: Calculation method (2.6.4.3) Eye Irrit. 2: Calculation method</p>
<p>Advice related to training</p>	<p>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.</p>
<p>Principal bibliographical sources</p>	<p>http://echa.europa.eu http://eur-lex.europa.eu</p>
<p>Abbreviations and acronyms</p>	<p>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 Concentration50 EC50: Effective concentration 50 LogPOW: Octanolwater partition coefficient Koc: Partition coefficient of organic carbon U FI: unique formula identifier IARC: International Agency for Research on Cancer</p>