SAFETY DATA SHEET

United Kingdom (UK)

Date of issue/Date of revision

: 13 June 2022

Version : 17.01

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

1.1 Product identifier

Product name

: 1K synthetic urethane topcoat

Product code

: 1.776.3000/E3.25K

Other means of identification

Not available.

1.2 Relevant identified uses of	of t	he substance or mixture and uses advised against
Product use	:	Professional applications, Used by spraying.
Use of the substance/ mixture	:	Coating.
Uses advised against	:	Product is not intended, labelled or packaged for consumer use.

1.3 Details of the supplier of the safety data sheet

PPG Industries Italia S.r.l., Via Comasina, 121, 20161 Milano, Italy Tel: +39 02 6404.1 PPG Industries (UK) Ltd., Needham Road, Stowmarket, Suffolk, IP14 2AD, UK Tel: +44 (0) 1449 773 338

e-mail address of person : Product.Stewardship.EMEA@ppg.com responsible for this SDS

1.4 Emergency telephone number

Company emergency telephone number : +39 02 6404.1 (0800-1700)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements Hazard pictograms



2020/878	• 1 776 3000/E3 25K	Date of issue/Date of revision	• 13 June 2022	
	to Regulation (EC) No. 1907/2000	6 (REACH), Annex II, as amended by Comn	nission Regulation (EU)	

Code : 1.776.3000/E3	25KDate of issue/Date of revision: 13 June 2022
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SECTION 2: Hazards	identification
Signal word	: Warning
Hazard statements	: Flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
Precautionary statements	
Prevention	: Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing vapour.
Response	: IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
Storage	: Store in a well-ventilated place. Keep container tightly closed.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
	▶280, P210, P261, P304 + P312, P403 + P233, P501
Hazardous ingredients	: vylene
Supplemental label elements	: Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requirem	<u>ents</u>
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.
2.3 Other hazards	
Product meets the criteria for PBT or vPvB	: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	: Prolonged or repeated contact may dry skin and cause irritation.

SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	% by weight	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
vylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≥25 - ≤45	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304	ATE [Dermal] = 1700 mg/kg ATE [Inhalation (vapours)] = 11 mg/l	[1] [2]
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SECTION 3: Compo	sition/informat	tion on ii	ngredients		
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≥5.0 - ≤7.9	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Inhalation (vapours)] = 17.8 mg/l	[1] [2]
n-butyl acetate	REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1	≥1.0 - ≤5.0	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	-	[1] [2]
2-butoxyethyl acetate	REACH #: 01-2119475112-47 EC: 203-933-3 CAS: 112-07-2 Index: 607-038-00-2	≥1.0 - ≤4.3	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332	ATE [Oral] = 1880 mg/ kg ATE [Dermal] = 1500 mg/kg ATE [Inhalation (vapours)] = 11 mg/l	[1] [2]
Hydrocarbons, C9-C11, n- alkanes, isoalkanes, cyclics, <2% aromatics	REACH #: 01-2119463258-33 EC: 919-857-5 CAS: 64742-48-9	≥1.0 - ≤5.0	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066	EUH066: C ≥ 20%	[1]
triethylamine	REACH #: 01-2119475467-26 EC: 204-469-4 CAS: 121-44-8 Index: 612-004-00-5	≤0.30	Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 3, H311 Acute Tox. 3, H331 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335	ATE [Oral] = 730 mg/ kg ATE [Dermal] = 580 mg/kg ATE [Inhalation (vapours)] = 7.22 mg/l STOT SE 3, H335: C ≥ 1%	[1] [2]
toluene	REACH #: 01-2119471310-51 EC: 203-625-9 CAS: 108-88-3 Index: 601-021-00-3	≤0.30	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 See Section 16 for the full text of the H statements declared above.	-	[1] [2]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Xylene: Several REACH registrations cover the REACH registered substance with xylene isomers, ethylbenzene (and toluene). The other REACH Registrations include: 01-2119555267-33 reaction mass of ethylbenzene and m-xylene and p-xylene, 01-2119486136-34 Aromatic hydrocarbons, C8, 01-2119539452-40 reaction mass of ethylbenzene and xylene. <u>Type</u>

Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SUB codes represent substances without registered CAS Numbers.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

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SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
Inhalation	 Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Eye contact	: Causes serious eye irritation.
Inhalation	: May cause respiratory irritation.
Skin contact	: Causes skin irritation. Defatting to the skin.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/sy	<u>mptoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	: No specific data.
I.3 Indication of any imm	ediate medical attention and special treatment needed
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.

5.2 Special hazards arising from the substance or mixture

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SECTION 5: Firefigh	nting measu	ires	
Hazards from the substance or mixture	a fire or if he	liquid and vapour. Runoff to sewer may cre eated, a pressure increase will occur and the bsequent explosion.	•
Hazardous combustion products	: Decomposit carbon oxid	tion products may include the following mate les	erials:
5.3 Advice for firefighters			

Special precautions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European

standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	tective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3 Methods and material for	containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spill product.
6.4 Reference to other sections	 See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

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SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	: Fut on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
	Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting, self-closing lids. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
7.2 Conditions for safe storage, including any incompatibilities	: Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

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SECTION 8: Exposure controls/personal protection

Product/ingredient name	Exposure limit values
xylene	EU OEL (Europe, 10/2019). [xylene, mixed isomers] Absorbed
	through skin.
	STEL: 442 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes.
	TWA: 221 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
ethylbenzene	EU OEL (Europe, 10/2019). Absorbed through skin.
	STEL: 884 mg/m ³ 15 minutes.
	STEL: 200 ppm 15 minutes.
	TWA: 442 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
n-butyl acetate	EU OEL (Europe, 10/2019).
	STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m ³ 15 minutes.
	TWA: 241 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
2-butoxyethyl acetate	EU OEL (Europe, 10/2019). Absorbed through skin.
	STEL: 333 mg/m ³ 15 minutes.
	STEL: 50 ppm 15 minutes.
	TWA: 133 mg/m ³ 8 hours.
	TWA: 20 ppm 8 hours.
triethylamine	EU OEL (Europe, 10/2019). Absorbed through skin.
	STEL: 12.6 mg/m ³ 15 minutes.
	STEL: 3 ppm 15 minutes.
	TWA: 8.4 mg/m ³ 8 hours.
	TWA: 2 ppm 8 hours.
toluene	EU OEL (Europe, 10/2019). Absorbed through skin.
	STEL: 384 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes.
	TWA: 192 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.

atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
x ylene	DNEL	Short term Inhalation	260 mg/m ³	General population	
	DNEL	Short term Inhalation	260 mg/m ³	General population	Local
	DNEL	Long term Dermal	125 mg/kg bw/day	General population	Systemic
	DNEL Long term Inhalation DNEL Long term Oral		65.3 mg/m ³	General population	Systemic
			12.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	221 mg/m ³	Workers	Systemic
	DNEL	Short term Inhalation	442 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	221 mg/m ³	Workers	Local
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	1	1	1	1	
	DNEL	Long term Inhalation	192 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	56.5 mg/m ³	General population	Systemi
	DNEL	Long term Inhalation	56.5 mg/m ³	General population	Local
toluene	DNEL	Long term Oral	8.13 mg/kg bw/day	General population	Systemi
	DNEL	Short term Inhalation	12.6 mg/m ³	Workers	Systemi
	DNEL	Long term Dermal Short term Inhalation	12.1 mg/kg bw/day 12.6 mg/m³	Workers Workers	Systemi Local
	DNEL DNEL	Long term Inhalation	8.4 mg/m^3	Workers	System
triethylamine	DNEL	Long term Inhalation	8.4 mg/m ³	Workers	Local
			0.4	[Consumers]	
				population	
	DNEL	Long term Oral	125 mg/kg bw/day	General	System
				[Consumers]	o <i>i</i>
				population	
	DNEL	Long term Inhalation	185 mg/m³	General	System
				[Consumers]	_
				population	
	DNEL	Long term Dermal	125 mg/kg bw/day	General	System
	DNEL	Long term Inhalation	871 mg/m³	Workers	System
<2% aromatics					
alkanes, isoalkanes, cyclics,					
Hydrocarbons, C9-C11, n-	DNEL	Long term Dermal	208 mg/kg bw/day	Workers	System
	DNEL	Short term Inhalation	333 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	200 mg/m ³	General population	Local
	DNEL	Long term Dermal	169 mg/kg bw/day	Workers	System
	DNEL	Long term Inhalation	133 mg/m ³	Workers	System
	DNEL	Short term Dermal	120 mg/kg bw/day	Workers	System
	DNEL	Long term Dermal	102 mg/kg bw/day	General population	System
	DNEL	Long term Inhalation	80 mg/m ³	General population	System
	DNEL	Short term Dermal	72 mg/kg bw/day	General population	System
	DNEL	Short term Oral	36 mg/kg bw/day	General population	System
2-butoxyethyl acetate	DNEL	Long term Oral	8.6 mg/kg bw/day	General population	System
	DNEL	Short term Inhalation	600 mg/m ³	Workers	System
	DNEL	Short term Inhalation	600 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	300 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	300 mg/m ³	General population	System
	DNEL	Short term Inhalation	300 mg/m ³	General population	
	DNEL	Long term Inhalation	35.7 mg/m ³	General population	Local
	DNEL	Short term Dermal	11 mg/kg bw/day	Workers	System
	DNEL	Short term Dermal	2 mg/kg bw/day 6 mg/kg bw/day	General population General population	System System
	DNEL DNEL	Short term Oral Long term Oral	2 mg/kg bw/day	General population	System
	DNEL	Long term Dermal	11 mg/m ³	Workers	System
	DNEL	Short term Inhalation	600 mg/m ³	Workers	System
	DNEL	Short term Inhalation	600 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	300 mg/m ³	Workers	Local
n-butyl acetate	DNEL	Long term Inhalation	300 mg/m ³	Workers	System
	DNEL	Short term Inhalation	293 mg/m ³	Workers	Local
	DNEL	Long term Dermal	180 mg/kg bw/day	Workers	System
	DNEL	Long term Inhalation	77 mg/m³	Workers	System
-	DNEL	Long term Inhalation	15 mg/m ³	General population	System
ethylbenzene	DNEL	Long term Oral	1.6 mg/kg bw/day	General population	System
	DNEL	Long term Inhalation	221 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	260 mg/m ³	General population	System
	DNEL	Short term Inhalation	260 mg/m ³	General population	Local
	DNEL	Long term Inhalation	65.3 mg/m ³	General population	
	DNEL DNEL	Short term Inhalation Long term Dermal	442 mg/m³ 212 mg/kg bw/day	Workers Workers	Local System

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SECTION 8: Exposure controls/personal protection

DNEL	Long term Inhalation	192 mg/m³	Workers	Systemic
DNEL	Long term Dermal	226 mg/kg bw/day	General population	Systemic
DNEL	Short term Inhalation	226 mg/m ³	General population	Local
DNEL	Short term Inhalation	226 mg/m ³	General population	Systemic
DNEL	Long term Dermal	384 mg/kg bw/day	Workers	Systemic
DNEL	Short term Inhalation	384 mg/m³	Workers	Local
DNEL	Short term Inhalation	384 mg/m³	Workers	Systemic

PNECs

Product/ingredient name	Туре	Compartment Detail	Value	Method Detail
xylene	-	Fresh water	0.327 mg/l	-
	-	Marine water	0.327 mg/l	-
	-	Sewage Treatment Plant	6.58 mg/l	-
	-	Fresh water sediment	12.46 mg/kg dwt	-
	-	Marine water sediment	12.46 mg/kg dwt	-
	-	Soil	2.31 mg/kg	-
ethylbenzene	-	Fresh water	0.1 mg/l	Assessment Factors
-	-	Marine water	0.01 mg/l	Assessment Factors
	-	Sewage Treatment Plant	9.6 mg/l	Assessment Factors
	-	Fresh water sediment	13.7 mg/kg dwt	Equilibrium Partitioning
	-	Marine water sediment	1.37 mg/kg dwt	Equilibrium Partitioning
	-	Soil	2.68 mg/kg dwt	Equilibrium Partitioning
	-	Secondary Poisoning	20 mg/kg	-
n-butyl acetate	-	Fresh water	0.18 mg/l	-
-	-	Marine water	0.018 mg/l	-
	-	Fresh water sediment	0.981 mg/kg	-
	-	Marine water sediment	0.0981 mg/kg	-
	-	Sewage Treatment Plant	35.6 mg/l	-
	-	Soil	0.0903 mg/kg	-
2-butoxyethyl acetate	-	Fresh water	0.304 mg/l	-
	-	Marine water	0.0304 mg/l	-
	-	Fresh water sediment	2.03 mg/kg dwt	-
	-	Marine water sediment	0.203 mg/kg dwt	-
	-	Soil	0.42 mg/kg dwt	-
	-		90 mg/l	-
toluene	-	Fresh water	0.68 mg/l	Sensitivity Distribution
	-	Marine water	0.68 mg/l	Sensitivity Distribution
	-		13.61 mg/l	Sensitivity Distribution
	-	Fresh water sediment	16.39 mg/kg dwt	Equilibrium Partitioning
	-	Marine water sediment	16.39 mg/kg dwt	-

8.2 Exposure controls Appropriate engineering controls	: Use only with adequate ventilation. Use process enclosures, local exhaust or other engineering controls to keep worker exposure to airborne contamir any recommended or statutory limits. The engineering controls also need to vapour or dust concentrations below any lower explosive limits. Use explose	ants below o keep gas,
Individual protection means	ventilation equipment.	
Individual protection measu	res	
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical produce eating, smoking and using the lavatory and at the end of the working period Appropriate techniques should be used to remove potentially contaminated Wash contaminated clothing before reusing. Ensure that eyewash stations showers are close to the workstation location.	clothing.
Eye/face protection	: Chemical splash goggles. Use eye protection according to EN 166.	
Skin protection		
English (GB)	United Kingdom (UK)	9/19

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)
2020/878

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ECTION 8: Exposure	e controls	s/personal protection	
Hand protection	worn at a is necess during us noted tha glove ma protectior frequently (breakthr When on (breakthr The user product is	Il-resistant, impervious gloves complying with a all times when handling chemical products if a sary. Considering the parameters specified by se that the gloves are still retaining their protec at the time to breakthrough for any glove mater anufacturers. In the case of mixtures, consistir n time of the gloves cannot be accurately estin y repeated contact may occur, a glove with a pro- rough time greater than 480 minutes according hy brief contact is expected, a glove with a pro- rough time greater than 30 minutes according must check that the final choice of type of glo s the most appropriate and takes into account led in the user's risk assessment.	risk assessment indicates this the glove manufacturer, check tive properties. It should be rial may be different for different of several substances, the nated. When prolonged or protection class of 6 g to EN 374) is recommended. tection class of 2 or higher to EN 374) is recommended. we selected for handling this
Gloves	: For prolo	onged or repeated handling, use the following t	ype of gloves:
	Not recor	nended: polyvinyl alcohol (PVA), Viton® mmended: natural rubber (latex) used: butyl rubber, nitrile rubber	
Body protection	being per handling static pro should in	I protective equipment for the body should be s rformed and the risks involved and should be a this product. When there is a risk of ignition fr otective clothing. For the greatest protection fro include anti-static overalls, boots and gloves. R further information on material and design req	approved by a specialist before rom static electricity, wear anti- om static discharges, clothing tefer to European Standard EN
Other skin protection	based on	ate footwear and any additional skin protection n the task being performed and the risks involv list before handling this product.	
Respiratory protection	hazards o workers a appropria complying Wear a re	or selection must be based on known or anticip of the product and the safe working limits of th are exposed to concentrations above the expo ate, certified respirators. Use a properly fitted, ig with an approved standard if a risk assessm espirator conforming to EN140. Filter type: or te filter P3	e selected respirator. If sure limit, they must use air-purifying or air-fed respirat ent indicates this is necessary
Environmental exposure controls	they com cases, fu	ns from ventilation or work process equipment aply with the requirements of environmental pro ame scrubbers, filters or engineering modification ecessary to reduce emissions to acceptable leve	otection legislation. In some ions to the process equipment

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Colour	: Colourless.
Odour	: Characteristic.
Odour threshold	: Not available.
Melting point/freezing point	: May start to solidify at the following temperature: <-60°C (<-76°F) This is based on data for the following ingredient: Naphtha (petroleum), hydrotreated heavy. Weighted average: -93.21°C (-135.8°F)

English (GB)	United Kingdom (UK)	10/19

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SECTION 9: Physical a	nd	chemical pro	perties					
Initial boiling point and boiling range	:	>37.78°C						
Flammability	:	liquid						
Upper/lower flammability or explosive limits	:	Greatest known range: Lower: 1.4% Upper: 7.6% (n-butyl acetate)						
Flash point	:	Closed cup: 31°C						
Auto-ignition temperature	:							
		Ingredient name		°C	°F		Method	
		₩ydrocarbons, C9-C11, isoalkanes, cyclics, <2%		270	518			
Decomposition temperature		Stable under recomm		-	nd handling o	condition	s (see Sec	tion 7).
рН		Not applicable. insol						
Viscosity	:	Kinematic (room ten Kinematic (40°C): >2		: >400 r	nm²/s			
Viscosity	1	60 - 100 s (ISO 6mn	n)					
Solubility(ies)	1	-						
Media		Result						
cold water		Not soluble						
Partition coefficient: n-octanol/ water	1 :	Not applicable.						
Vapour pressure	11				Vapour Pressure at 20°C Vapour pressure			
Vapour pressure	:		Vapou	r Press	ure at 20°C	Vap	our press	sure at 50°
Vapour pressure	:	Ingredient name	Vapou mm Hg		ure at 20°C Method	Vap mm Hg	oour press kPa	sure at 50°(Method
Vapour pressure	:	Ingredient name	· ·		-	mm	-	
Vapour pressure Evaporation rate	:		mm Hg	kPa 1.5	Method DIN EN 13016-2	mm Hg	kPa	Method
Evaporation rate		▶ butyl acetate Highest known value	mm Hg	kPa 1.5	Method DIN EN 13016-2	mm Hg	kPa	Method
	:	Foutyl acetate Highest known value butyl acetate	mm Hg 11.25 e: 1 (n-but	kPa 1.5 /I acetat	Method DIN EN 13016-2 te) Weighted	mm Hg average	kPa : 0.75com	Method pared with
Evaporation rate Relative density	:	Produtyl acetate Highest known value butyl acetate 1 Highest known value	mm Hg 11.25 e: 1 (n-but e: 5.5 (Air not explos	kPa 1.5 /l acetal = 1) (2 iive, but	Method DIN EN 13016-2 te) Weighted -butoxyethyl a	average	kPa :: 0.75com Weighted	Method
Evaporation rate Relative density Vapour density		Foutyl acetate Highest known value butyl acetate 1 Highest known value 3.85 (Air = 1) The product itself is	mm Hg 11.25 e: 1 (n-but e: 5.5 (Air not explos air is poss	kPa 1.5 /l acetat = 1) (2 iive, but ble.	Method DIN EN 13016-2 te) Weighted -butoxyethyl a the formation	average	kPa :: 0.75com Weighted	Method
Evaporation rate Relative density Vapour density Explosive properties		Foutyl acetate Highest known value butyl acetate 1 Highest known value 3.85 (Air = 1) The product itself is vapour or dust with a	mm Hg 11.25 e: 1 (n-but e: 5.5 (Air not explos air is poss	kPa 1.5 /l acetat = 1) (2 iive, but ble.	Method DIN EN 13016-2 te) Weighted -butoxyethyl a the formation	average	kPa :: 0.75com Weighted	Method

No additional information.

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SECTION 10: Stability and reactivity

	-	-
10.1 Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	The product is stable.
10.3 Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
10.5 Incompatible materials	:	Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
10.6 Hazardous decomposition products	:	Depending on conditions, decomposition products may include the following materials: carbon oxides

SECTION 11: Toxicological information

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

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
x ylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
n-butyl acetate	LC50 Inhalation Vapour	Rat	>21.1 mg/l	4 hours
-	LC50 Inhalation Vapour	Rat	2000 ppm	4 hours
	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	10.768 g/kg	-
2-butoxyethyl acetate	LD50 Dermal	Rabbit	1500 mg/kg	-
	LD50 Oral	Rat	1880 mg/kg	-
Hydrocarbons, C9-C11, n-alkanes,	LD50 Dermal	Rat	>5000 mg/kg	-
isoalkanes, cyclics, <2% aromatics				
	LD50 Oral	Rat	>5000 mg/kg	-
triethylamine	LC50 Inhalation Vapour	Rat	7.22 mg/l	4 hours
	LD50 Dermal	Rabbit	580 mg/kg	-
	LD50 Oral	Rat	730 mg/kg	-
toluene	LC50 Inhalation Vapour	Rat	49 g/m ³	4 hours
	LD50 Dermal	Rabbit	8.39 g/kg	-
	LD50 Oral	Rat	5580 mg/kg	-

Conclusion/Summary

: There are no data available on the mixture itself.

Irritation/Corrosion

Product/ingredient name		Result	Species	Score	Exposure	Observation
x ylene triethylamine		Skin - Moderate irritant Skin - Visible necrosis	Rabbit Rabbit	-	24 hours 500 mg 5 minutes	- 21 days
Conclusion/Summary Skin	: There are	no data available on the r	nixture itself			
Eyes	: There are no data available on the mixture itself.					
Respiratory	spiratory : There are no data available on the mixture itself.					
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SECTION 11: Toxicological information

SECTION	 IUNICOlOgica	
Sensitisation		

Conclusion/Summary	
Skin	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.
Mutagenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Carcinogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Reproductive toxicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Teratogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
xylene n-butyl acetate Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Category 3 Category 3 Category 3	- -	Respiratory tract irritation Narcotic effects Narcotic effects
triethylamine toluene	Category 3 Category 3	-	Respiratory tract irritation Narcotic effects

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
ethylbenzene	Category 2	-	hearing organs
toluene	Category 2		-

Aspiration hazard

Produ	ict/ingredient name	Result			
xylene ethylbenzene Hydrocarbons, C9-C11, n aromatics toluene	-alkanes, isoalkanes, cyclics, <2%	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1			
Information on likely routes of exposure	: Not available.				
Potential acute health ef	ifects				
Inhalation	: May cause respiratory irritation.				
Ingestion	: No known significant effects or critical hazards.				
Skin contact	: Causes skin irritation. Defatting to the skin.				
Eye contact	: Causes serious eye irritation.				
Symptoms related to the	e physical, chemical and toxicologica	al characteristics			
Inhalation	: Adverse symptoms may include respiratory tract irritation coughing	e the following:			
Ingestion	: No specific data.				

English (GB)	United Kingdom (UK)	13/19

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SECTION 11: Toxico	logical information
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
	ects as well as chronic effects from short and long-term exposure
Short term exposure Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health eff	<u>ects</u>
Not available.	
Conclusion/Summary	: Not available.
General	: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.
Other information	: Not available.

Prolonged or repeated contact may dry skin and cause irritation. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh	Daphnia -	-
	water	Ceriodaphnia dubia	
n-butyl acetate	Acute LC50 18 mg/l	Fish	96 hours
2-butoxyethyl acetate	Acute LC50 28 mg/l	Fish	96 hours
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	LC50 >1000 mg/l	Algae	72 hours
triethylamine	Acute LC50 24 mg/l	Fish	96 hours
English (GB)	United Kingdom (UK)		14/19

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SECTION 12:	: Ecological information		

|--|

: There are no data available on the mixture itself. **Conclusion/Summary**

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
ethylbenzene n-butyl acetate	- TEPA and OECD 301D	79 % - Readily - 10 days 83 % - Readily - 28 days	-	-
2-butoxyethyl acetate Hydrocarbons, C9-C11, n- alkanes, isoalkanes, cyclics, <2% aromatics	OECD 301A -	97 % - Readily - 7 days 80 % - Readily - 28 days	-	-

Conclusion/Summary : There are no data available on the mixture itself.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
xylene	-	-	Readily
ethylbenzene	-	-	Readily
n-butyl acetate	-	-	Readily
2-butoxyethyl acetate	-	-	Readily
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	-	-	Readily
toluene	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential	
xylene	3.12	7.4 to 18.5	low	
ethylbenzene	3.6	79.43	low	
n-butyl acetate	2.3	-	low	
2-butoxyethyl acetate	1.51	-	low	
Hydrocarbons, C9-C11, n-alkanes, isoalkanes,	-	10 to 2500	high	
cyclics, <2% aromatics			-	
triethylamine	1.45	4.9	low	
toluene	2.73	8.32	low	

12.4 Mobility in soil

Soil/water partition	: Not available.
coefficient (Koc)	
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

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SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: Yes.

European waste catalogue (EWC)

Waste code	Waste designation
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances

Packaging

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Type of packaging	European waste catalogue (EWC)	
Container	15 01 04	metallic packaging
Special precautions	taken when h Empty contai residues may Do not cut, w	I and its container must be disposed of in a safe way. Care should be nandling emptied containers that have not been cleaned or rinsed out. iners or liners may retain some product residues. Vapour from product y create a highly flammable or explosive atmosphere inside the container. yeld or grind used containers unless they have been cleaned thoroughly void dispersal of spilt material and runoff and contact with soil, waterways, ewers.

14. Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number or ID number	UN1263	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	III		III	Ш
14.5 Environmental hazards	No.	Yes.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.	Not applicable.

Additional information

ADR/RID

: This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.2.3.1.5.1.

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14. Trans	port information		
Tunnel code	: (D/E)		
ADN	: The product is only regulated as	s an environmentally hazardous subs quid is not subject to regulation in pa	
IMDG IATA	This class 3 viscous liquid is noNone identified.	t subject to regulation in packagings	up to 450 L according to 2.3.2.5
14.6 Special pro user	ecautions for : Transport within upright and secure the event of an ac	e. Ensure that persons transporting t	
14.7 Maritime to bulk according instruments			
SECTION 1	5: Regulatory informatio	n	
	alth and environmental regulations		ance or mixture
	(EC) No. 1907/2006 (REACH)		
	_ist of substances subject to author	orisation	
Annex XIV			
	components are listed.		
	of very high concern		
	components are listed.		
Annex XVII -	•		
on the manu			
	a manleat		
placing on th			
and use of c	ertain		
and use of conductors and use of conductors and use of conductors and the second secon	ertain ubstances,		
and use of co dangerous s mixtures and	ertain ubstances, I articles		
and use of co dangerous s mixtures and	ertain ubstances,		
and use of co dangerous s mixtures and Ozone depleti Not listed.	ertain ubstances, I articles ng substances (1005/2009/EU)		
and use of co dangerous s mixtures and <u>Ozone depleti</u> Not listed. <u>Seveso Direct</u>	ertain ubstances, I articles <u>ng substances (1005/2009/EU)</u> <u>ive</u>	ivo	
and use of co dangerous s mixtures and <u>Ozone depleti</u> Not listed. <u>Seveso Direct</u> This product i	ertain ubstances, I articles ng substances (1005/2009/EU) ive s controlled under the Seveso Direct	ive.	
and use of co dangerous s mixtures and Ozone depleti Not listed. Seveso Direct This product i Danger crite	ertain ubstances, I articles ng substances (1005/2009/EU) ive s controlled under the Seveso Direct	ive.	
and use of co dangerous s mixtures and Ozone depleti Not listed. Seveso Direct This product i Danger crite Category	ertain ubstances, I articles ng substances (1005/2009/EU) ive s controlled under the Seveso Direct	ive.	
and use of co dangerous s mixtures and <u>Ozone depleti</u> Not listed. <u>Seveso Direct</u> This product i <u>Danger crite</u>	ertain ubstances, I articles ng substances (1005/2009/EU) ive s controlled under the Seveso Direct	ive.	
and use of co dangerous s mixtures and <u>Ozone depleti</u> Not listed. <u>Seveso Direct</u> This product i <u>Danger crite</u> <u>Category</u>	ertain ubstances, I articles ng substances (1005/2009/EU) ive s controlled under the Seveso Direct eria	ive. ty Assessment has been carried out.	

Abbreviations and acronyms

Code : 1.776.3000/E3.25K Date of issue/Date of revision : 13 June 2022 1K synthetic urethane topcoat **SECTION 16: Other information**

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

PBT = Persistent, Bioaccumulative and Toxic

vPvB = Very Persistent and Very Bioaccumulative

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

IMDG = International Maritime Dangerous Goods

IATA = International Air Transport Association

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification	
Skin Irrit. 2, H315 Eye Irrit. 2, H319	On basis of test data Calculation method Calculation method Calculation method	

Full text of abbreviated H statements

H 225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated
	exposure.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Full text of classifications [CLP/GHS]

Cute Tox. 3	ACUTE TOXICITY - Category 3
Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Repr. 2	REPRODUCTIVE TOXICITY - Category 2
Skin Corr. 1A	SKIN CORROSION/IRRITATION - Category 1A
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE -
	Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE -
	Category 3
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SECTION 16: Other information

<u>History</u>	
Date of issue/ Date of revision	: 13 June 2022
Date of previous issue	: 29 March 2021
Prepared by	: EHS
Version	: 17.01
<u>Disclaimer</u>	

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