# Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

# **SAFETY DATA SHEET**



UVILUX 6790-03 - TS 21337 WHITE

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

#### 1.1 Product identifier Product name

: UVILUX 6790-03 - TS 21337 WHITE

**1.2 Relevant identified uses of the substance or mixture and uses advised againstProduct use**: Paint.

#### 1.3 Details of the supplier of the safety data sheet

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

e-mail address of person : Prod-safe@teknos.com

#### responsible for this SDS National contact

Teknos (UK) Limited, 7 Longlands Rd, Bicester, Oxfordshire OX26 5AH, United Kingdom. Tel. +44 (0) 1869 208005.

#### 1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number : NHS: 111

## **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

Product definition : Mixture

**Classification according to UK CLP/GHS** 

Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 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



Signal word	: Warning
Hazard statements	<ul> <li>H315 - Causes skin irritation.</li> <li>H317 - May cause an allergic skin reaction.</li> <li>H319 - Causes serious eye irritation.</li> <li>H410 - Very toxic to aquatic life with long lasting effects.</li> </ul>
Precautionary statements	
Prevention	<ul> <li>P280 - Wear protective gloves. Wear eye or face protection.</li> <li>P273 - Avoid release to the environment.</li> <li>P261 - Avoid breathing vapour.</li> <li>P264 - Wash thoroughly after handling.</li> </ul>
Response	: P391 - Collect spillage.

Date of issue/Date of revision	:01/12/2023	Date of previous issue	: 18/11/2022	Version	:1.01	1/20
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# SECTION 2: Hazards identification

Storage	:	Not applicable.
Disposal	;	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	1	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.
2.3 Other hazards		
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	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	:	None known.

# **SECTION 3: Composition/information on ingredients**

Product/ingredient name	Identifiers	%	Classification	Туре
Fexamethylene diacrylate	REACH #: 01-2119484737-22 EC: 235-921-9 CAS: 13048-33-4 Index: 607-109-00-8	≥25 - ≤50	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411	[1]
titanium dioxide	REACH #: 01-2119489379-17 EC: 236-675-5 CAS: 13463-67-7	≥10 - ≤25	Carc. 2, H351 (inhalation)	[1] [*]
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	REACH #:	≤5	Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412	[1]
Benzene, (1-methylethenyl)-, homopolymer, ar-(2-hydroxy- 2-methyl-1-oxopropyl) derivs.	CAS: 163702-01-0	<3	Repr. 2, H361f	[1]
Phosphine oxide, phenylbis (2,4,6-trimethylbenzoyl)-	REACH #: 01-2119489401-38 EC: 423-340-5 CAS: 162881-26-7 Index: 015-189-00-5	≤3	Skin Sens. 1A, H317 Aquatic Chronic 4, H413	[1]
Methylbenzoylformiat	REACH #: 01-2120101338-67 EC: 239-263-3 CAS: 15206-55-0	≤3	Skin Sens. 1, H317	[1]
(1-methyl-1,2-ethanediyl)bis[oxy (methyl-2,1-ethanediyl)] diacrylate	REACH #: 01-2119484613-34 EC: 256-032-2 CAS: 42978-66-5 Index: 607-249-00-X	<1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 2, H411	[1]
2-Methoxy-1-methylethyl acetate	REACH #: 01-2119475791-29 EC: 203-603-9 CAS: 108-65-6 Index: 607-195-00-7	<1	Flam. Liq. 3, H226 STOT SE 3, H336	[1] [2]

2-Butoxyethanol	REACH #:	≤0.3	Acute Tox. 4, H302	[1] [2]
	01-2119475108-36		Acute Tox. 4, H332	1.11-1
	EC: 203-905-0		Skin Irrit. 2, H315	
	CAS: 111-76-2		Eye Irrit. 2, H319	
	Index: 603-014-00-0			
2-ethylhexan-1-ol	REACH #:	≤0.1	Acute Tox. 4, H332	[1] [2]
	01-2119487289-20		Skin Irrit. 2, H315	
	EC: 203-234-3		Eye Irrit. 2, H319	
	CAS: 104-76-7		STOT SE 3, H335	
Cyclohexane	EC: 203-806-2	<0.1	Flam. Liq. 2, H225	[1] [2]
	CAS: 110-82-7		Skin Irrit. 2, H315	
	Index: 601-017-00-1		STOT SE 3, H336	
			Asp. Tox. 1, H304	
			Aquatic Acute 1, H400	
			(M=1) Aquatic Chronic 1,	
			H410 (M=1)	
Formaldehyde	REACH #:	<0.1	Acute Tox. 3, H301	[1] [2]
onnaidenyde	01-2119488953-20	30.1	Acute Tox. 3, H311	<u>ריזני</u> .
	EC: 200-001-8		Acute Tox. 2, H330	
	CAS: 50-00-0		Skin Corr. 1B, H314	
	Index: 605-001-00-5		Eye Dam. 1, H318	
			Skin Sens. 1, H317	
			Muta. 2, H341	
			Carc. 1B, H350	
			STOT SE 3, H335	
1,4-Dihydroxybenzene	EC: 204-617-8	<0.01	Acute Tox. 4, H302	[1] [2]
	CAS: 123-31-9		Eye Dam. 1, H318	
	Index: 604-005-00-4		Skin Sens. 1, H317	
			Muta. 2, H341	
			Carc. 2, H351	
			Aquatic Acute 1, H400	
			(M=10)	
			See Section 16 for	
			the full text of the H	
			statements declared	
			above.	

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.

<u>Туре</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[\*] The classification as a carcinogen by inhalation applies only to mixtures placed on the market in powder form containing 1% or more of titanium dioxide particles with aerodynamic diameter  $\leq$  10 µm not bound within a matrix. Occupational exposure limits, if available, are listed in Section 8.

# SECTION 4: First aid measures

4.1 Description of first aid m	easures
Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Date of issue/Date of revision	:01/12/2023	Date of previous issue	: 18/11/2022	Version	:1.01	3/20
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# **SECTION 4: First aid measures**

Skin contact	: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

#### **Over-exposure signs/symptoms**

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.

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

Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.

# **SECTION 5: Firefighting measures**

5.1 Extinguishing media Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.
5.2 Special hazards arising f	ron	the substance or mixture
Hazards from the substance or mixture	:	In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides metal oxide/oxides

#### 5.3 Advice for firefighters

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## **SECTION 5: Firefighting measures**

Special protective actions 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.
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.

## **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective 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. 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
6.3 Methods and material for	co	ontainment and cleaning up
Small spill	-	Stop leak if without risk. Move containers from spill area. 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. 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

earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

6.4 Reference to other	:	See Section 1 for emergency contact information.
sections		See Section 8 for information on appropriate personal protective equipment.
		See Section 13 for additional waste treatment information.

## **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	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
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

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## **SECTION 7: Handling and storage**

Store in accordance with local regulations. 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. 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.

#### Seveso Directive - Reporting thresholds

#### Danger criteria

• •	Notification and MAPP threshold	Safety report threshold
E1	100 tonne	200 tonne

#### 7.3 Specific end use(s)

Recommendations: Not available.Industrial sector specific: Not available.solutions: Not available.

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

Occupational exposure limits	
Pethoxy-1-methylethyl acetate	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin. STEL: 548 mg/m <sup>3</sup> 15 minutes. TWA: 50 ppm 8 hours. TWA: 274 mg/m <sup>3</sup> 8 hours. STEL: 100 ppm 15 minutes.
2-Butoxyethanol	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin. STEL: 50 ppm 15 minutes. TWA: 25 ppm 8 hours. STEL: 246 mg/m <sup>3</sup> 15 minutes. TWA: 123 mg/m <sup>3</sup> 8 hours.
2-ethylhexan-1-ol	EH40/2005 WELs (United Kingdom (UK), 1/2020). TWA: 5.4 mg/m <sup>3</sup> 8 hours. TWA: 1 ppm 8 hours.
Cyclohexane	EH40/2005 WELs (United Kingdom (UK), 1/2020). STEL: 1050 mg/m <sup>3</sup> 15 minutes. STEL: 300 ppm 15 minutes. TWA: 100 ppm 8 hours.
Formaldehyde	TWA: 350 mg/m <sup>3</sup> 8 hours. <b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b> STEL: 2.5 mg/m <sup>3</sup> 15 minutes. STEL: 2 ppm 15 minutes. TWA: 2 ppm 8 hours. TWA: 2.5 mg/m <sup>3</sup> 8 hours.
1,4-Dihydroxybenzene	EH40/2005 WELs (United Kingdom (UK), 1/2020). TWA: 0.5 mg/m <sup>3</sup> 8 hours.

#### **Biological exposure indices**

Product/ingredient n	me Exposure indices
2-Butoxyethanol	EH40/2005 BMGVs (United Kingdom (UK), 8/2018) BGV: 240 mmol/mol creatinine, butoxyacetic acid [in urine]. Sampling time: post shift.
procedures	eference should be made to appropriate monitoring standards. Reference to ational guidance documents for methods for the determination of hazardous ubstances will also be required.

#### **DNELs/DMELs**

Product/ingredient name	Туре	Exposure	Value	Population	Effects
Kexamethylene diacrylate	DNEL	Long term Inhalation	7.2 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	1.66 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Oral	2.1 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	2.77 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	24.5 mg/m <sup>3</sup>	Workers	Systemic
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	DNEL	Long term Dermal	10.5 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	37 mg/m <sup>3</sup>	Workers	Systemic
Benzene, (1-methylethenyl)-, homopolymer, ar-(2-hydroxy- 2-methyl-1-oxopropyl) derivs.	DNEL	Long term Oral	5.28 µg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	5.28 µg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	9.18 µg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	14.8 µg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	52.1 µg/m³	Workers	Systemic
Phosphine oxide, phenylbis (2,4,6-trimethylbenzoyl)-	DNEL	Long term Inhalation	21 mg/m³	Workers	Systemic
	DNEL	Short term Inhalation	21 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	3.3 mg/kg	Workers	Systemic
	DNEL	Short term Dermal	3.3 mg/kg	Workers	Systemic
	DNEL	Long term Inhalation	5.2 mg/m <sup>3</sup>	General population [Consumers]	Systemic
	DNEL	Long term Dermal	1.5 mg/kg	General population [Consumers]	Systemic
	DNEL	Long term Oral	1.5 mg/kg	General population [Consumers]	Systemic
	DNEL	Short term Oral	1.67 ng/kg bw/day	General population	Systemic
	DNEL	Long term Oral	1.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	1.5 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	1.67 mg/ kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	1.93 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	1.93 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	3 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	3.33 mg/ kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	7.84 mg/m <sup>3</sup>		Systemic
	DNEL	Long term Inhalation	7.84 mg/m <sup>3</sup>		Systemic
Methylbenzoylformiat		Long term Oral	1.67 mg/ kg bw/day 1.67 mg/	General population Conoral	Systemic
	DNEL	Long term Dermal	1.67 mg/ kg bw/day	General population	Systemic

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	DNEL	Long term Dermal	3.33 mg/ kg bw/day	Workers	Systemic
(1-methyl-1,2-ethanediyl)bis[oxy (methyl-2,1-ethanediyl)] diacrylate	DNEL	Long term Dermal	1.7 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	2.35 mg/m <sup>3</sup>	Workers	Systemic
2-Methoxy-1-methylethyl acetate	DNEL	Long term Inhalation	33 mg/m³	General population	Local
	DNEL	Long term	33 mg/m³	General	Systemic
	DNEL	Inhalation Long term Oral	36 mg/kg	population General	Systemic
			bw/day	population	O untermin
	DNEL	Long term Inhalation	275 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	320 mg/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	550 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Dermal	796 mg/kg bw/day	Workers	Systemic
2-Butoxyethanol	DNEL	Long term Oral	6.3 mg/kg	General	Systemic
	DNEL	Short term Oral	bw/day 26.7 mg/	population General	Systemic
			kg bw/day	population	Systemic
	DNEL	Long term	59 mg/m <sup>3</sup>	General	Systemic
	DNEL	Inhalation Long term	98 mg/m³	population Workers	Systemic
		Inhalation	J J	<b>a</b> 1	
	DNEL	Short term Inhalation	147 mg/m³	General population	Local
	DNEL	Short term Inhalation	246 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short term	426 mg/m <sup>3</sup>	General	Systemic
	DNEL	Inhalation Short term	1091 mg/	population Workers	Systemic
2-ethylhexan-1-ol	DNEL	Inhalation Long term Oral	m³ 1.1 mg/kg	General	Systemic
	DNEL	Long term	bw/day 2.3 mg/m³	population General	Systemic
	DNEL	Inhalation Long term Dermal	11.4 mg/	population General	Systemic
	DNEL	Long term	kg bw/day 12.8 mg/m³	population Workers	Systemic
	DINEL	Inhalation	12.0 mg/m	VIOINEIS	Systemic
	DNEL	Long term Dermal	23 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	26.6 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term	26.6 mg/m <sup>3</sup>	General	Local
	האובו	Inhalation Short torm	52 2 ma/m3	population	
	DNEL	Short term Inhalation	53.2 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Inhalation	53.2 mg/m <sup>3</sup>		Local
Cyclohexane	DNEL	Long term Oral	59.4 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	206 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	206 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Short term Inhalation	412 mg/m <sup>3</sup>	General	Local
	DNEL	Short term Inhalation	412 mg/m <sup>3</sup>	General	Systemic
	DNEL	Long term	700 mg/m <sup>3</sup>	Workers	Local
		Inhalation			

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	DNEL	Long term	700 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation	0		,
	DNEL	Long term Dermal	1186 mg/	General	Systemic
		Ū	kg bw/day	population	
	DNEL	Short term	1400 mg/	Workers	Local
		Inhalation	m³		
	DNEL	Short term Inhalation	1400 mg/ m³	Workers	Systemic
	DNEL	Long term Dermal	2016 mg/ kg bw/day	Workers	Systemic
Formaldehyde	DNEL	Long term	0.375 mg/	Workers	Local
, ,		Inhalation	m³		
	DNEL	Short term Inhalation	0.75 mg/m³	Workers	Local
	DNEL	Long term Dermal	12 µg/cm²	General population	Local
	DNEL	Long term Dermal	37 µg/cm²	Workers	Local
	DNEL	Long term Inhalation	0.1 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term	3.2 mg/m <sup>3</sup>	General	Systemic
		Inhalation		population	
	DNEL	Long term Oral	4.1 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	9 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	102 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	240 mg/kg bw/day	Workers	Systemic
I,4-Dihydroxybenzene	DNEL	Long term Oral	0.6 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	1.05 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	1.66 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	2.1 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	3.33 mg/ kg bw/day	Workers	Systemic

#### **PNECs**

No PNECs available

#### 8.2 Exposure controls

**Appropriate engineering** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants. controls Individual protection measures **Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. **Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. **Skin protection** 

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# **SECTION 8: Exposure controls/personal protection**

Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
	Recommendations : Wear suitable gloves tested to EN374.
	< 1 hour (breakthrough time): Nitrile gloves. thickness > 0.3 mm
	1 - 4 hours (breakthrough time): $4H$ / Silver Shield® gloves.
Body protection	<ul> <li>Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</li> </ul>
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
	Filter type: A
	Filter type (spray application): A P
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

# **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	: White.
Odour	: Slight
Odour threshold	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	:

Ingredient name		°C	°F	Method	
Propylidynetrimethanol, ethoxylated, esters with acrylic acid		>391	>735.8	OECD 103	
Flammability (solid, gas)	: Not ava	ilable.	·		
Upper/lower flammability or explosive limits		Not applicable Not applicable			
Flash point	: Closed	cup: >100°C	(>212°F)		
Auto-ignition temperature	:				
Ingredient name		°C	°F	Method	
Hexamethylene diacrylate		235	455	DIN 51794	
Decomposition temperature	: Not ava	ilable.			
pH	: Not app	licable.			
Viscosity	: Not available.				
Solubility(ies)	:				
Not available.					
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# **SECTION 9: Physical and chemical properties**

Solubility in water	1	Not available.
Partition coefficient: n-octanol/	:	Not applicable.
water		

#### Vapour pressure

	V	apour Press	ure at 20°C	V	Vapour pressure at 50°C			
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method		
Hexamethylene diacrylate	0.00045	0.00006	EU A.4					
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	0.000024	0.0000032	OECD 104					
Relative density	: Not	available.						
Density	: 1.4	g/cm³						
apour density	: Not	available.						
Explosive properties	: Not	available.						
Dxidising properties	: Not	available.						
Particle characteristics								
Median particle size	: Not	applicable.						

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	: No specific data.				
10.5 Incompatible materials	: No specific data.				
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.				

# **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Hexamethylene diacrylate	LD50 Oral	Rat	5 g/kg	-
Propylidynetrimethanol,	LD50 Dermal	Rabbit	>13 g/kg	-
ethoxylated, esters with acrylic acid				
Phosphine oxide, phenylbis	LD50 Oral	Rat	>2000 mg/kg	-
(2,4,6-trimethylbenzoyl)-				
(1-methyl-1,2-ethanediyl)bis	LD50 Oral	Rat	6200 mg/kg	-
[oxy(methyl-2,1-ethanediyl)]				
diacrylate				
2-Methoxy-1-methylethyl	LD50 Dermal	Rabbit	>5 g/kg	-
acetate				
	LD50 Oral	Rat	8532 mg/kg	-
2-ethylhexan-1-ol	LD50 Dermal	Rabbit	1970 mg/kg	-
	LD50 Oral	Rat	3730 mg/kg	-
Cyclohexane	LD50 Oral	Rat	6240 mg/kg	-
Formaldehyde	LC50 Inhalation Gas.	Rat	250 ppm	4 hours
	LD50 Dermal	Rabbit	270 mg/kg	-

# SECTION 11: Toxicological information 1,4-Dihydroxybenzene LD50 Oral Rat 100 mg/kg 302 mg/kg

Conclusion/Summary

: Based on available data, the classification criteria are not met.

## Acute toxicity estimates

Route	ATE value
Not available.	

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	<b>Observation</b>
Hexamethylene diacrylate	Skin - Severe irritant	Rabbit	-	24 hours 500	-
				mg	
titanium dioxide	Skin - Mild irritant	Human	-	72 hours 300	-
				ug l	
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	Eyes - Moderate irritant	Rabbit	-	100 mg	-
-	Skin - Moderate irritant	Rabbit	-	500 mg	-
(1-methyl-1,2-ethanediyl)bis [oxy(methyl-2,1-ethanediyl)] diacrylate	Eyes - Severe irritant	Rabbit	-	24 hours 100 uL	-
	Skin - Moderate irritant	Rabbit	-	500 mg	-
2-Butoxyethanol	Eyes - Moderate irritant	Rabbit	-	24 hours 100	-
				mg	
	Eyes - Severe irritant	Rabbit	-	100 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
2-ethylhexan-1-ol	Eyes - Moderate irritant	Rabbit	-	24 hours 20 mg	-
	Eyes - Moderate irritant	Rabbit	-	20 ug	-
	Eyes - Severe irritant	Rabbit	-	20 mg	-
	Skin - Mild irritant	Rabbit	-	415 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				mg	
	Skin - Severe irritant	Rabbit	-	0.5 MI	-
Formaldehyde	Eyes - Mild irritant	Human	-	6 minutes 1	-
				ppm	
	Eyes - Severe irritant	Rabbit	-	24 hours 750	-
	Eyes - Severe irritant	Rabbit	_	ug 750 ug	
	Skin - Mild irritant	Human	1	72 hours 150	-
		Tuman		ug l	
	Skin - Mild irritant	Rabbit	-	540 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 50	-
				mg	
	Skin - Severe irritant	Human	-	0.01 %	-
	Skin - Severe irritant	Rabbit	-	0.8 %	-
	Skin - Severe irritant	Rabbit	-	24 hours 2	-
				mg	
1,4-Dihydroxybenzene	Skin - Mild irritant	Human	-	2%	-
	Skin - Severe irritant	Human	-	5 %	-

**Conclusion/Summary** : Causes skin irritation.

#### Sensitisation

Product/ingredient name	Route of exposure	Species	Result
hosphine oxide, phenylbis (2,4,6-trimethylbenzoyl)-	skin	Guinea pig	Sensitising
0			

**Conclusion/Summary** : May cause an allergic skin reaction.

#### **Mutagenicity**

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SECTION 11: Toxicological information							
Product/ingredient name	Test	Experiment	Result				
Phosphine oxide, phenylbis (2,4,6-trimethylbenzoyl)-	-	Subject: Bacteria	Negative				
Conclusion/Summary : Based on available data, the classification criteria are not met.							

#### <u>Carcinogenicity</u>

It has been observed that the carcinogenic hazard of this product arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.

<b>Conclusion/Summary</b>	:	Based on available data, the classification criteria are not met.
Reproductive toxicity		
<b>Conclusion/Summary</b>	:	Based on available data, the classification criteria are not met.

**Teratogenicity** 

: Based on available data, the classification criteria are not met. Conclusion/Summary

#### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	Category 3	-	Respiratory tract irritation
2-Methoxy-1-methylethyl acetate	Category 3	-	Narcotic effects
2-ethylhexan-1-ol	Category 3	-	Respiratory tract irritation
Cyclohexane	Category 3	-	Narcotic effects
Formaldehyde	Category 3	-	Respiratory tract irritation

#### Specific target organ toxicity (repeated exposure)

Not available.

#### **Aspiration hazard**

Product/ingredient name	Result		
Cyclohexane	ASPIRATION HAZARD - Category 1		

Information on likely routes of exposure	:	Not available.			
Potential acute health effects					
Eye contact	:	Causes serious eye irritation.			
Inhalation	:	No known significant effects or critical hazards.			
Skin contact	1	Causes skin irritation. May cause an allergic skin reaction.			
Ingestion	:	No known significant effects or critical hazards.			
Symptoms related to the phy	si	al, chemical and toxicological characteristics			
Eye contact	:	Adverse symptoms may include the following: pain or irritation watering redness			
Inhalation	:	No specific data.			
Skin contact	:	Adverse symptoms may include the following: irritation redness			
Ingestion	:	No specific data.			
Delayed and immediate effect	<u>ts</u>	as well as chronic effects from short and long-term expo	sure		
<u>Short term exposure</u>					
Potential immediate effects	:	Not available.			
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# **SECTION 11: Toxicological information**

Potential delayed effects	: Not available.
<u>Long term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health eff	<u>ots</u>
Not available.	
<b>Conclusion/Summary</b>	: Not available.
General	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
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.

# **SECTION 12: Ecological information**

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Hexamethylene diacrylate	EC50 1.09 mg/l	Algae - Algae - Selenastrum capricornutum	72 hours
	EC50 2.7 mg/l	Daphnia - Daphnia - Daphnia magna	48 hours
	LC50 0.38 mg/l	Fish - Oryzias latipes	96 hours
	NOEC 0.5 mg/l	Algae - Algae - Desmodesmus subspicatus	72 hours
	NOEC 0.14 mg/l	Daphnia - Daphnia - <i>Daphnia</i> <i>magna</i>	21 days
	NOEC 0.072 mg/l	Fish - Oryzias latipes	96 hours
itanium dioxide	Acute LC50 3 mg/l Fresh water	Crustaceans - Water flea - <i>Ceriodaphnia dubia</i> - Neonate	48 hours
	Acute LC50 6.5 mg/l Fresh water	Daphnia - Water flea - <i>Daphnia</i> <i>pulex</i> - Neonate	48 hours
	Acute LC50 >1000000 μg/l Marine water	Fish - Mummichog - <i>Fundulus</i> <i>heteroclitus</i>	96 hours
Phosphine oxide, phenylbis 2,4,6-trimethylbenzoyl)-	EC50 ≥0.26 mg/l	Aquatic plants - <i>Desmodesmus subspicatus</i>	72 hours
	NOEC ≥0.008 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	21 days
	Acute EC50 >1.175 mg/l	Daphnia - Daphnia magna	48 hours
	Acute LC50 >0.09 mg/l	Fish - Brachydanio rerio	96 hours
2-Butoxyethanol	Acute EC50 >1000 mg/l Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	Acute LC50 800000 μg/l Marine water	Crustaceans - Common shrimp, sand shrimp - <i>Crangon crangon</i>	48 hours
	Acute LC50 1250000 µg/l Marine water	Fish - Inland silverside - Menidia beryllina	96 hours
2-ethylhexan-1-ol	Acute LC50 28200 μg/l Fresh water	Fish - Fathead minnow - <i>Pimephales promelas</i>	96 hours
Cyclohexane	Acute LC50 4530 μg/l Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours
Formaldehyde	Acute EC50 3.48 mg/l Fresh water	Algae - Green algae - Desmodesmus subspicatus	72 hours
	Acute EC50 0.788 mg/l Marine water	Algae - Green algae - Ulva pertusa	96 hours
	Acute EC50 12.98 mg/l Fresh water	Crustaceans - Water flea - <i>Ceriodaphnia dubia</i> - Neonate	48 hours
	Acute EC50 5800 µg/l Fresh water	Daphnia - Water flea - Daphnia pulex - Neonate	48 hours
	Acute LC50 1.41 ppm Fresh water	Fish - Rainbow trout,donaldson	96 hours

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SECTION 12: Ecolo	gical information		
	Chronic NOEC 0.005 mg/l Marine water	trout - Oncorhynchus mykiss Algae - Haptophyte - Isochrysis galbana - Exponential growth phase	96 hours
	Chronic NOEC 953.9 ppm Fresh water	Fish - Chinook salmon - Oncorhynchus tshawytscha - Egg	43 days
1,4-Dihydroxybenzene	Acute EC50 130 µg/l Fresh water	Daphnia - Water flea - <i>Daphnia magna</i> - Larvae	48 hours
	Acute LC50 44 µg/l Fresh water	Fish - Rainbow trout,donaldson trout - <i>Oncorhynchus mykiss</i>	96 hours

**Conclusion/Summary** : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

#### 12.2 Persistence and degradability

<b>Conclusion/Summary</b> : This product has not been tested for biodegradation.				
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability	
Fropylidynetrimethanol, ethoxylated, esters with acrylic acid Phosphine oxide, phenylbis (2,4,6-trimethylbenzoyl)-	-	-	Readily Not readily	

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Hexamethylene diacrylate	2.81	-	Low
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	2.89	-	Low
Phosphine oxide, phenylbis (2,4,6-trimethylbenzoyl)-	5.77	<5	Low
(1-methyl-1,2-ethanediyl)bis [oxy(methyl-2,1-ethanediyl)] diacrylate	2	-	Low
2-Methoxy-1-methylethyl acetate	1.2	-	Low
2-Butoxyethanol	0.81	-	Low
2-ethylhexan-1-ol	2.9	25.33	Low
Cyclohexane	3.44	167	Low
1,4-Dihydroxybenzene	0.59	3.162	Low

#### **12.4 Mobility in soil**

Soil/water partition coefficient (Koc)	: Not available.
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 Other adverse effects** : No known significant effects or critical hazards.

# **SECTION 13: Disposal considerations**

13.1 Waste treatment meth	ods
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)	: 080111*
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.
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

# **SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number	UN3082	UN3082	UN3082	UN3082
14.2 UN proper shipping name	NVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PAINT)	NVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PAINT)	NVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PAINT)	NVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PAINT)
14.3 Transport hazard class(es)	9			9
14.4 Packing group	111	111	111	111
14.5 Environmental hazards	Yes.	Yes.	Yes.	Yes.

## Additional information

ADR/RID	<ul> <li>This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.</li> <li><u>Tunnel code</u> (-)</li> </ul>
ADN	: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
IMDG	: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
ΙΑΤΑ	: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

## **SECTION 14: Transport information**

**14.6 Special precautions for user**: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

# 14.7 Transport in bulk according to IMO

: Not relevant/applicable due to nature of the product.

instruments

## **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture UK (GB)/REACH

#### Annex XIV - List of substances subject to authorisation

## Annex XIV

None of the components are listed.

#### Substances of very high concern

None of the components are listed.

#### **Ozone depleting substances**

Not listed.

#### Prior Informed Consent (PIC)

Not listed.

#### Persistent Organic Pollutants

Not listed.

# Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

No listed substance

#### Seveso Directive

This product is controlled under the Seveso Directive.

#### Danger criteria

Category			
E1			

#### National regulations

Product/ingredient name	List name	Name on list	Classification	Notes
Formaldehyde	UK Occupational Exposure Limits EH40 - WEL	formaldehyde; methanal	Carc.	-
EU regulations				
Industrial emissions (integrated pollution prevention and control) - Air	: Not listed			
Industrial emissions (integrated pollution	: Not listed			

prevention and control) -

Water

#### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

# Montreal Protocol

Not listed.

## **SECTION 15: Regulatory information**

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

15.2 Chemical safety	:	This product contains substances for which Chemical Safety Assessments are still
assessment		required.

# **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	<ul> <li>ATE = Acute Toxicity Estimate GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = GB CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number SGG = Segregation Group</li> </ul>
	SGG = Segregation Group vPvB = Very Persistent and Very Bioaccumulative

#### Procedure used to derive the classification

Classification	Justification
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Acute 1, H400	Calculation method
Aquatic Chronic 2, H411	Calculation method

#### Full text of abbreviated H statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
Full text of cla	

#### Full text of classifications

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## **SECTION 16: Other information**

SECTION 16: Ot	ner information
Acute Tox. 2	ACUTE TOXICITY - Category 2
Acute Tox. 3	ACUTE TOXICITY - Category 3
Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Aquatic Chronic 4	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 4
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Carc. 1B	CARCINOGENICITY - Category 1B
Carc. 2	CARCINOGENICITY - Category 2
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
Muta. 2	GERM CELL MUTAGENICITY - Category 2
Repr. 2	REPRODUCTIVE TOXICITY - Category 2
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
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#### Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

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