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

# **SAFETY DATA SHEET**

TEKNODUR 0190 - All variants



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

1.1 Product identifier

Product name : TEKNODUR 0190 - All variants

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

#### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

Telephone number : National Poisons Information Centre: 01 809 2566

## **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 Skin Sens. 1, H317 STOT SE 3, H335 STOT SE 3, H336 STOT RE 2, H373 Aquatic Chronic 3, H412

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



Signal word Hazard statements

- : Warning
- : H226 Flammable liquid and vapour.
  - H315 Causes skin irritation.
  - H317 May cause an allergic skin reaction.
  - H319 Causes serious eye irritation.
  - H335 May cause respiratory irritation.
  - H336 May cause drowsiness or dizziness.
  - H373 May cause damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.

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# **SECTION 2: Hazards identification**

Precautionary statements	
Prevention	<ul> <li>P280 - Wear protective gloves. Wear eye or face protection.</li> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P260 - Do not breathe vapour.</li> </ul>
Response	: P314 - Get medical advice/attention if you feel unwell.
Storage	: P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
Disposal	<ul> <li>P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> </ul>
Hazardous ingredients	<ul> <li>Solvent naphtha (petroleum), light aromatic</li> <li>Xylene</li> <li>2-Methoxy-1-methylethyl acetate</li> <li>n-Butyl acetate</li> </ul>
Supplemental label elements	: 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	:
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**

3.2 Mixtures	: Mixture				
Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
titanium dioxide	REACH #: 01-2119489379-17 EC: 236-675-5 CAS: 13463-67-7	≥25 - ≤50	Carc. 2, H351 (inhalation)	-	[1] [*]
Solvent naphtha (petroleum), light aromatic	REACH #: 01-2119455851-35 EC: 265-199-0 CAS: 64742-95-6 Index: 649-356-00-4	≤14	Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	-	[1]
Xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≥10 - ≤25	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 (oral, inhalation) Asp. Tox. 1, H304	ATE [Dermal] = 1100 mg/kg ATE [Inhalation (vapours)] = 11 mg/ I	[1] [2]
2-Methoxy-1-methylethyl acetate	REACH #: 01-2119475791-29	≤10	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1] [2]
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SECTION 3: Compo	osition/informat	ion on in	gredients		
<u>_</u>	EC: 203-603-9 CAS: 108-65-6 Index: 607-195-00-7				
n-Butyl acetate	REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1	≤5	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	-	[1] [2]
Ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≤3	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) (oral, inhalation) Asp. Tox. 1, H304	ATE [Inhalation (vapours)] = 11 mg/ I	[1] [2]
Reaction mass of Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate	REACH #: 01-2119491304-40	≤1	Skin Sens. 1A, H317 Repr. 2, H361f Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
Styrene	REACH #: 01-2119457861-32 EC: 202-851-5 CAS: 100-42-5	<1	Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361 STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Inhalation (gases)] = 2770 ppm	[1] [2]
propylidynetrimethanol	REACH #: 01-2119486799-10 EC: 201-074-9 CAS: 77-99-6	≤0.3	Repr. 2, H361d	-	[1]
Maleic anhydride	REACH #: 01-2119472428-31 EC: 203-571-6 CAS: 108-31-6 Index: 607-096-00-9	<0.001	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1A, H317 STOT RE 1, H372 (respiratory system) (inhalation) EUH071 See Section 16 for the full text of the H statements declared above.	ATE [Oral] = 400 mg/kg Skin Sens. 1, H317: C ≥ 0.001%	[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.

Туре

[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.

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# **SECTION 4: First aid measures**

4.1 Description of first aid n	neasures
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 it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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 necessary, call a poison center or physician. 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.
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 necessary, call a poison center or physician. 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. 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. 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/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 nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.
4.3 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 measur

SECTION 5: Firefigh	ing measures
5.1 Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
5.2 Special hazards arising	om the substance or mixture
Hazards from the substance or mixture	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard In a fire or if heated, a pressure increase will occur and the container may burst, w the risk of a subsequent explosion. This material is harmful to aquatic life with lon- 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 metal oxide/oxides
5.3 Advice for firefighters	
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident 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 fo chemical incidents.

## **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. 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). Water polluting material. May be harmful to the environment if released in large quantities.
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 spilt product.
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## **SECTION 6: Accidental release measures**

6.4 Reference to other sections	: See Section 1 for emergency contact in See Section 8 for information on appro
sections	See Section 6 for information on appro

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.

## **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 breathe vapour or mist. Do not ingest. Avoid release to the environment. 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.
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 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. 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.

#### Seveso Directive - Reporting thresholds

#### Danger criteria

	Notification and MAPP threshold	Safety report threshold
P5c	5000 tonne	50000 tonne

#### 7.3 Specific end use(s)

: Not available.

Recommendations Industrial sector specific solutions

: Not available.

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

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

#### 8.1 Control parameters

**Occupational exposure limits** 

Product/ingredient name	Exposure limit values
Xylene	NAOSH (Ireland, 5/2021). [xylene] Absorbed through skin.
	Notes: EU derived Occupational Exposure Limit Values
	OELV-8hr: 50 ppm 8 hours.
	OELV-8hr: 221 mg/m <sup>3</sup> 8 hours.
	OELV-15min: 100 ppm 15 minutes.
	OELV-15min: 442 mg/m <sup>3</sup> 15 minutes.
2-Methoxy-1-methylethyl acetate	NAOSH (Ireland, 5/2021). Absorbed through skin. Notes: EU
, , , , ,	derived Occupational Exposure Limit Values
	OELV-8hr: 50 ppm 8 hours.
	OELV-8hr: 275 mg/m <sup>3</sup> 8 hours.
	OELV-15min: 100 ppm 15 minutes.
	OELV-15min: 550 mg/m <sup>3</sup> 15 minutes.
n-Butyl acetate	NAOSH (Ireland, 5/2021). Notes: EU derived Occupational
,	Exposure Limit Values
	OELV-8hr: 50 ppm 8 hours.
	OELV-8hr: 241 mg/m <sup>3</sup> 8 hours.
	OELV-15min: 150 ppm 15 minutes.
	OELV-15min: 723 mg/m <sup>3</sup> 15 minutes.
Ethylbenzene	NAOSH (Ireland, 5/2021). Absorbed through skin. Notes: EU
,	derived Occupational Exposure Limit Values
	OELV-8hr: 100 ppm 8 hours.
	OELV-8hr: 442 mg/m <sup>3</sup> 8 hours.
	OELV-15min: 200 ppm 15 minutes.
	OELV-15min: 884 mg/m <sup>3</sup> 15 minutes.
Styrene	NAOSH (Ireland, 5/2021). Notes: Advisory Occupational
	Exposure Limit Values (OELVs)
	OELV-8hr: 20 ppm 8 hours.
	OELV-8hr: 85 mg/m <sup>3</sup> 8 hours.
	OELV-15min: 40 ppm 15 minutes.
	OELV-15min: 170 mg/m <sup>3</sup> 15 minutes.
Maleic anhydride	NAOSH (Ireland, 5/2021). Skin sensitiser. Notes: Advisory
<b>y</b>	Occupational Exposure Limit Values (OELVs)
	OELV-8hr: 0.01 ppm 8 hours. Form: The Inhalable Fraction and
	Vapour note is used when a material exerts sufficient vapour
	pressure such that it may be present in both particle and vapour
	phases.
· · · · · · · · · · · · · · · · · · ·	luct contains ingredients with exposure limits, personal, workplace
	re or biological monitoring may be required to determine the effectivene
	ilation or other control measures and/or the necessity to use respirator
	equipment. Reference should be made to monitoring standards, such
	ng: European Standard EN 689 (Workplace atmospheres - Guidance t sment of exposure by inhalation to chemical agents for comparison with

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/DMELs**

Product/ingredient name	Туре	Exposure	Value	Populatio	n Effects
titanium dioxide	DNEL	Long term Inhalation	10 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	700 mg/kg bw/day	General population	Systemic
Solvent naphtha (petroleum), light aromatic	DNEL	Long term Inhalation	0.41 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	1.9 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	178.57 mg/ m³	General population	Local
	DNEL	Short term	640 mg/m <sup>3</sup>		Local
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		Inhalation		population	
	DNEL	Long term	837.5 mg/	Workers	Local
		Inhalation	m <sup>3</sup>		
	DNEL	Short term	1066.67	Workers	Local
		Inhalation	mg/m³		
	DNEL	Short term	1152 mg/	General	Systemic
		Inhalation	m³	population	
	DNEL	Short term	1286.4 mg/	Workers	Systemic
		Inhalation	m³		
Xylene	DNEL	Long term Oral	1.6 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	14.8 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	77 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	108 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	180 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	289 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short term	289 mg/m³	Workers	Systemic
	DNEL	Long term	65.3 mg/m³	General population	Local
	DNEL	Short term Inhalation	260 mg/m³	General population	Local
	DNEL	Short term	260 mg/m³	General population	Systemic
	DNEL	Long term	221 mg/m³	Workers	Local
2-Methoxy-1-methylethyl acetate	DNEL	Long term Oral	1.67 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	33 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	33 mg/m³	General population	Systemic
	DNEL	Long term Dermal	54.8 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	153.5 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	275 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Inhalation	550 mg/m³	Workers	Local
n-Butyl acetate	DNEL	Long term Dermal	3.4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	7 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	12 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	48 mg/m³	Workers	Systemic
	DNEL	Short term Oral	2 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	2 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	6 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	11 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	35.7 mg/m <sup>3</sup>	General population	Local
	DNEL	Short term Inhalation	300 mg/m³	General population	Local
	DNEL	Short term	300 mg/m³	General	Systemic

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		Inhalation		population	
	DNEL	Long term	300 mg/m³	Workers	Local
		Inhalation	$600 m a/m^{3}$	Workoro.	
	DNEL	Short term Inhalation	600 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short term	600 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation	000g,		- )
Ethylbenzene	DNEL	Long term Oral	1.6 mg/kg	General	Systemic
			bw/day	population	
	DNEL	Long term	15 mg/m³	General	Systemic
	DNEL	Inhalation Long term	77 mg/m³	population Workers	Systemic
	DINCE	Inhalation	77 mg/m	WOIKEIS	Oysternic
	DNEL	Long term Dermal	180 mg/kg	Workers	Systemic
			bw/day		
	DNEL	Short term	293 mg/m <sup>3</sup>	Workers	Local
	DMEL	Inhalation	440	\\/orl/org	
	DMEL	Long term Inhalation	442 mg/m <sup>3</sup>	Workers	Local
	DMEL	Short term	884 mg/m³	Workers	Systemic
		Inhalation	00 ig,		- ,
Styrene	DNEL	Long term Oral	7.7 µg/kg	General	Systemic
			bw/day	population	
	DNEL	Long term	1 mg/m³	General	Local
	DNEL	Inhalation Long term	1 mg/m³	population General	Systemic
	DINCE	Inhalation	i ilig/ili	population	Oysternic
	DNEL	Short term	10 mg/m³	General	Local
		Inhalation	-	population	
	DNEL	Short term	10 mg/m <sup>3</sup>	General	Systemic
	DNEL	Inhalation Long term	85 mg/m³	population Workers	Systemic
	DINCE	Inhalation	05 mg/m	WOIKEIS	Systemic
	DNEL	Short term	100 mg/m³	Workers	Local
		Inhalation			
	DNEL	Long term Inhalation	100 mg/m³	Workers	Local
	DNEL	Short term	100 mg/m <sup>3</sup>	Workers	Systemic
	DIVEL	Inhalation	roo mg/m	Workers	Cysternie
	DNEL	Long term Dermal	343 mg/kg	General	Systemic
		_	bw/day	population	
	DNEL	Long term Dermal	406 mg/kg	Workers	Systemic
propylidynetrimethanol	DNEL	Short term Oral	bw/day 50 mg/kg	General	Systemic
propylidynetimethanol	DINEL	Short term Ora	bw/day	population	Systemic
	DNEL	Short term Dermal	83.3 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Short term Dermal	138.8 mg/	Workers	Systemic
	DNEL	Short torm	kg bw/day	Conorol	Sustamia
	DINEL	Short term Inhalation	925 mg/m³	General population	Systemic
	DNEL	Short term	3037.3 mg/	Workers	Systemic
		Inhalation	m³ Ö		5
	DNEL	Long term Oral	0.34 mg/	General	Systemic
			kg bw/day	population	O un tra maila
	DNEL	Long term Dermal	0.34 mg/ kg bw/day	General population	Systemic
	DNEL	Long term	0.58 mg/m <sup>3</sup>	General	Systemic
		Inhalation	,	population	,
	DNEL	Long term Dermal	0.94 mg/	Workers	Systemic
		Long torm	kg bw/day	\\/orl:or	Queters:-
	DNEL	Long term Inhalation	3.3 mg/m <sup>3</sup>	Workers	Systemic
Maleic anhydride	DNEL	Long term	0.05 mg/m <sup>3</sup>	General	Systemic
,		Inhalation	-	population	
	DNEL	Long term Oral	0.06 mg/	General	Systemic

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		kg bw/day	population	
DNEL	Long term Inhalation	0.08 mg/m <sup>3</sup>	General population	Local
DNEL	Short term Oral	0.1 mg/kg	General	Systemic
DNEL	Short term Dermal	bw/day 0.1 mg/kg	population General	Systemic
DNEL	Long term Dermal	bw/day 0.1 mg/kg	population General	Systemic
DNEL	Short term Dermal	bw/day 0.2 mg/kg	population Workers	Systemic
DNEL	Long term Dermal	bw/day 0.2 mg/kg bw/day	Workers	Systemic
DNEL	Long term Inhalation	0.081 mg/ m <sup>3</sup>	Workers	Local
DNEL	Long term	0.081 mg/ m <sup>3</sup>	Workers	Systemic
DNEL	Short term	0.2 mg/m <sup>3</sup>	Workers	Local
DNEL	Short term	0.2 mg/m³	Workers	Systemic

**PNECs** 

No PNECs available

8.2 Exposure controls	
Appropriate engineering controls	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Individual protection meas	<u>ires</u>
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	
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
	<ol> <li>4 hours (breakthrough time): polyvinyl alcohol (PVA) thickness &gt; 0.3 mm or</li> <li>4H / Silver Shield® gloves.</li> </ol>
	> 8 hours (breakthrough time): Viton® thickness > 0.3 mm gloves
	Wash hands before breaks and immediately after handling the product.

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

•	• •
Body protection	: 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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
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**

÷.

: Not available.

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

: Liquid.
: Various
: Slight
: Not available.
: Not available.
:

Ingredient name		°C	°F	Method
n-Butyl acetate		126	258.8	OECD 103
Solvent naphtha (petroleum), light aromatic		135 to 210	275 to 410	
Flammability :	Not avai	lable.	•	
	Lower: 0 Upper: 7			
Flash point :	Closed c	cup: 25°C (77°F)		
Auto-ignition temperature :				
Ingredient name		°C	°F	Method
Solvent naphtha (petroleum), light aromatic		280 to 470	536 to 878	
2-Methoxy-1-methylethyl acetate		333	631.4	DIN 51794
Decomposition temperature :	Not avai	lable.		
pH :	Not appl	licable.		
Viscosity :	Kinemat	ic (40°C): >20.5 m	ım²/s	

Vapour pressure	
Date of issue/Date of revision	

Partition coefficient: n-octanol/ : Not applicable.

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Solubility(ies)

water

Not available.

Solubility in water

n previous issue : No

	Va	apour Press	ure at 20°C	Vapour pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
n-Butyl acetate	11.25	1.5	DIN EN 13016-2			
Ethylbenzene	9.3	1.2				
Relative density	: Not	available.				
Density	: 1.3	g/cm³				
apour density	: Not available.					
Explosive properties	: Not	available.				
Dxidising properties	: Not available.					
Particle characteristics						
Median particle size	: Not	applicable.				

<b>SECTION 10: Stabilit</b>	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	: Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.					
10.5 Incompatible materials	: Reactive or incompatible with the following materials: oxidising materials					
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 hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Solvent naphtha (petroleum), light aromatic	LD50 Oral	Rat	8400 mg/kg	-
Xylene	LC50 Inhalation Vapour	Rat	21.7 mg/l	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
2-Methoxy-1-methylethyl acetate	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	8532 mg/kg	-
n-Butyl acetate	LC50 Inhalation Vapour	Rat	0.74 mg/l	4 hours
<b>y</b>	LD50 Dermal	Rabbit	14112 mg/kg	-
	LD50 Oral	Rat	10760 mg/kg	-
Ethylbenzene	LC50 Inhalation Dusts and mists	Rat	29000 mg/l	4 hours
	LD50 Dermal	Rabbit	15400 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
Reaction mass of Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl	LD50 Dermal	Rat	>3170 mg/kg	-
1,2,2,6,6-pentamethyl- 4-piperidyl sebacate				
· · · · · · · · · · · · · · · · · · ·	LD50 Oral	Rat	3230 mg/kg	-
Styrene	LC50 Inhalation Gas.	Rat	2770 ppm	4 hours

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SECTION 11: Toxicological information				
	LC50 Inhalation Vapour	Rat	11800 mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	2650 mg/kg	-
propylidynetrimethanol	LD50 Oral	Rat	14000 mg/kg	-
Maleic anhydride	LD50 Dermal	Rabbit	2620 mg/kg	-
	LD50 Oral	Rat	400 mg/kg	-

## Conclusion/Summary

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

#### Acute toxicity estimates

Route	ATE value	
Dermal	10504.73 mg/kg	
Inhalation (vapours)	86.06 mg/l	

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
titanium dioxide	Skin - Mild irritant	Human	-	72 hours 300	-
				ug l	
Solvent naphtha (petroleum),	Eyes - Mild irritant	Rabbit	-	24 hours 100	-
light aromatic				uL	
Xylene	Eyes - Mild irritant	Rabbit	-	87 mg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5	-
				mg	
	Skin - Mild irritant	Rat	-	8 hours 60 uL	-
	Skin - Moderate irritant	Rabbit	-	100 %	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				mg	
n-Butyl acetate	Eyes - Moderate irritant	Rabbit	-	100 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				mg	
Ethylbenzene	Eyes - Severe irritant	Rabbit	-	500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 15	-
<b>e</b> .				mg	
Styrene	Eyes - Mild irritant	Human	-	50 ppm	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100	-
		Dahkit		mg	
	Eyes - Severe irritant	Rabbit	-	100 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
Malaia anti-	Skin - Moderate irritant	Rabbit	-	100 %	-
Maleic anhydride	Eyes - Severe irritant	Rabbit	-	1 %	-
Conclusion/Summary	: Causes skin irritation.				
<u>Sensitisation</u>					
Conclusion/Summary	: May cause an allergic skir	reaction.			
<u>Mutagenicity</u>					
Conclusion/Summary	: Based on available data, t	he classification o	riteria are	not met.	
Carcinogenicity					
t has been observed that the	carcinogenic bazard of this pr	oduct arises when	n resnirah	le dust is inhale	d in quantities

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.	
<b>Teratogenicity</b>		
<b>Conclusion/Summary</b>	: Based on available data, the classification criteria are not met.	
Specific target organ toxicit	<u>y (single exposure)</u>	

## **SECTION 11: Toxicological information**

Product/ingredient name	Category	Route of exposure	Target organs
Solvent naphtha (petroleum), light aromatic	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
Xylene	Category 3	-	Respiratory tract irritation
2-Methoxy-1-methylethyl acetate	Category 3	-	Narcotic effects
n-Butyl acetate	Category 3	-	Narcotic effects
Styrene	Category 3	-	Respiratory tract irritation

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

Product/ingredient name	Category	Route of exposure	Target organs
Xylene	Category 2	oral, inhalation	-
Ethylbenzene	Category 2	oral, inhalation	hearing organs
Styrene	Category 1	-	-
Maleic anhydride	Category 1	inhalation	respiratory system

#### **Aspiration hazard**

Product/ingredient name	Result
Solvent naphtha (petroleum), light aromatic	ASPIRATION HAZARD - Category 1
Xylene	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1
Styrene	ASPIRATION HAZARD - Category 1

# Information on likely routes : Not available. of exposure

#### Potential acute health effects

Eye contact	: Causes serious eye irritation.
Inhalation	<ul> <li>Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.</li> </ul>
Skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Ingestion	: Can cause central nervous system (CNS) depression.

Symptoms related to the	physical, chemical and toxicolog	ical characteristics

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.
Delayed and immediate e	ffects as well as chronic effects from short and long-term exposure
Short term exposure	
Potential immediate	: Not available.

Potential immediate	: Not available
effects	

Date of issue/Date of revision TEKNODUR 0190 - All variants : 10/10/2022 Date of previous issue

: No previous validation

Version : 1 14/21 Label No :40048

# **SECTION 11: Toxicological information**

5
: Not available.
: Not available.
: Not available.
ects
: Not available.
: May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
: No known significant effects or critical hazards.
: No known significant effects or critical hazards.
: No known significant effects or critical hazards.

#### **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
titanium dioxide	Acute LC50 3 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 6.5 mg/l Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours
	Acute LC50 >1000000 μg/l Marine water	Fish - Fundulus heteroclitus	96 hours
Solvent naphtha (petroleum), light aromatic	Acute EC50 3.2 mg/l	Daphnia	48 hours
5	Acute LC50 9.2 mg/l	Fish	96 hours
n-Butyl acetate	Acute LC50 32 mg/l Marine water	Crustaceans - Artemia salina	48 hours
-	Acute LC50 18000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Reaction mass of Bis	EC50 1.68 mg/l	Aquatic plants -	72 hours
(1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and		Desmodesmodus subspicatus	
Methyl			
1,2,2,6,6-pentamethyl- 4-piperidyl sebacate			
	Acute LC50 0.9 mg/l	Fish - Brachydanio rerio	96 hours
	Chronic NOEC 1 mg/l	Daphnia	21 days
Styrene	Acute EC50 1400 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 720 μg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 4700 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 52 mg/l Marine water	Crustaceans - Artemia salina	48 hours
	Acute LC50 4020 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 63 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
propylidynetrimethanol	Acute EC50 13000000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 14400000 µg/l Marine water	Fish - Cyprinodon variegatus	96 hours
Maleic anhydride	Acute LC50 230000 μg/l Fresh water	Fish - Gambusia affinis - Adult	96 hours

## **SECTION 12: Ecological information**

### 12.2 Persistence and degradability

: This product has not been tested for biodegradation.

#### **12.3 Bioaccumulative potential**

**Conclusion/Summary** 

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Solvent naphtha (petroleum), light aromatic	-	10 to 2500	high
Xylene	3.12	8.1 to 25.9	low
2-Methoxy-1-methylethyl acetate	1.2	-	low
n-Butyl acetate	2.3	-	low
Ethylbenzene	3.6	-	low
Styrene	0.35	13.49	low
propylidynetrimethanol	-0.47	<1	low
Maleic anhydride	-2.78	-	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 Endocrine disrupting properties

Not available.

#### 12.7 Other adverse effects

No known significant effects or critical hazards.

# SECTION 13: Disposal considerations

: 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.
: The classification of the product may meet the criteria for a hazardous waste.
: 080111*, 200127*
: 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.
: 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. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14.1 UN number or ID number       UN1263       UN1263         14.2 UN proper shipping name       PAINT       PAINT         14.3 Transport hazard class(es)       3       3         14.4 Packing group       III       III       III         14.5       No.       No.       No.         Environmental hazards       No.       No.       No.         Additional information ADR/RID       : <u>Viscous liquid exception</u> This packagings up to 450 L accord Tunnel code (D/E)         ADN       : <u>Viscous liquid exception</u> This packagings up to 450 L accord Tunnel code (D/E)         IMDG       : <u>Viscous liquid exception</u> This packagings up to 450 L accord Tunnel code (D/E)         ADN       : <u>Viscous liquid exception</u> This packagings up to 450 L accord the event of an accident or spil         14.6 Special precautions for user       :       Transport within user's prent upright and secure. Ensure tha the event of an accident or spil         14.7 Maritime transport in ustruments       :       Not relevant/applicable due to to bulk according to IMO instruments         SECTION 15: Regulatory information       IS.1 Safety, health and environmental regulations/legislation EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorisation	UN1263	
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hazard class(es)       Image: Constraint of the second secon	PAINT	PAINT
group       No.       No.         14.5       No.       No.         Environmental hazards       No.       No.         Additional information       Additional information         ADR/RID       :       Viscous liquid exception This packagings up to 450 L accord Tunnel code (D/E)         ADN       :       Viscous liquid exception This packagings up to 450 L accord Tunnel code (D/E)         ADN       :       Viscous liquid exception This packagings up to 450 L accord Tunnel code (D/E)         IMDG       :       Viscous liquid exception This packagings up to 450 L accord This packagings up to 450 L accord This packagings up to 450 L accord the event of an accident or spil         44.6 Special precautions for iser       :       Transport within user's premupright and secure. Ensure that the event of an accident or spil         44.7 Maritime transport in pulk according to IMO instruments       :       Not relevant/applicable due to the package of the event of an accident or spil         5.1 Safety, health and environmental regulations/legislation EU Regulation (EC) No. 1907/2006 (REACH)       Second (REACH)	3	3
Environmental hazards         Additional information ADR/RID         ADR/RID         ADN         IMDG         IMDG         Viscous liquid exception This packagings up to 450 L accord Tunnel code (D/E)         IMDG         Viscous liquid exception This packagings up to 450 L accord         IMDG         Viscous liquid exception This packagings up to 450 L accord         IMDG         Viscous liquid exception This packagings up to 450 L accord         IMDG         Viscous liquid exception This packagings up to 450 L accord         IMDG         Viscous liquid exception This packagings up to 450 L accord         IMDG         Viscous liquid exception This packagings up to 450 L accord         IMDG         Viscous liquid exception This packagings up to 450 L accord         IMDG         Viscous liquid exception This packagings up to 450 L accord         IMDG         Viscous liquid exception This packagings up to 450 L accord         IMDG         Viscous liquid exception         INO         IMD         IMD         IMD         IMD         IMD         IMD         IMD         IMD <t< td=""><td>   </td><td>   </td></t<>		
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user       upright and secure. Ensure that the event of an accident or spil         14.7 Maritime transport in pulk according to IMO nstruments       : Not relevant/applicable due to pulk according to IMO nstruments         SECTION 15: Regulatory information       15.1 Safety, health and environmental regulations/legislation         EU Regulation (EC) No. 1907/2006 (REACH)	ing to 2.2.3.1.5.1. class 3 viscous liquid is ing to 2.2.3.1.5.1. class 3 viscous liquid is	not subject to regulation in
Dulk according to IMO         Instruments         SECTION 15: Regulatory information         15.1 Safety, health and environmental regulations/legislation         EU Regulation (EC) No. 1907/2006 (REACH)	t persons transporting the	
15.1 Safety, health and environmental regulations/legislation <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>	nature of the product.	
EU Regulation (EC) No. 1907/2006 (REACH)		
Annex XIV - List of substances subject to authorisation Annex XIV None of the components are listed.	specific for the substa	nce or mixture
Substances of very high concern		

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

mixtures and articles Other EU regulations

Industrial emissions : Not listed (integrated pollution prevention and control) -Air

: 10/10/2022 Date of previous issue

## **SECTION 15: Regulatory information**

Industrial emissions	1	Not listed
(integrated pollution		
prevention and control) -		
Maten		

Ozone depleting substances (1005/2009/EU)

Not listed.

Water

#### Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

#### Persistent Organic Pollutants

Not listed.

#### Seveso Directive

This product is controlled under the Seveso Directive.

#### Danger criteria

Category

P5c

#### International regulations

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

Not listed.

#### Montreal Protocol

Not listed.

#### 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 assessment** : This product contains substances for which Chemical Safety Assessments are still required.

## **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	<ul> <li>ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = 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 according to Regulation (EC) No. 1272/2008 [CLP/GHS]

SECTION 16: Other information		
Classification	Justification	
Flam. Liq. 3, H226	On basis of test data	
Skin Irrit. 2, H315	Calculation method	
Eye Irrit. 2, H319	Calculation method	
Skin Sens. 1, H317	Calculation method	
STOT SE 3, H335	Calculation method	
STOT SE 3, H336	Calculation method	
STOT RE 2, H373	Calculation method	
Aquatic Chronic 3, H412	Calculation method	

#### Full text of abbreviated H statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful 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.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H361f	Suspected of damaging fertility.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH071	Corrosive to the respiratory tract.

#### Full text of classifications [CLP/GHS]

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	
Asp. Tox. 1	ASPIRATION HAZARD - Category 1	
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	
Repr. 2	REPRODUCTIVE TOXICITY - Category 2	
Resp. Sens. 1	RESPIRATORY SENSITISATION - Category 1	
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 RE 1	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1	
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2	
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3	
Date of issue/ Date of	: 10/10/2022	
revision		
Date of previous issue	No previous validation	
Version	: 1	
Date of issue/Date of revision	on : 10/10/2022 Date of previous issue : No previous validation Version : 1 19/21	
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## **SECTION 16: Other information**

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All variants

#### 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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