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

SAFETY DATA SHEET



TEKNODUR AQUA 3393-23 - NCS S 0502-Y

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

1.1	Product identifier	
P	roduct name	

: TEKNODUR AQUA 3393-23 - NCS S 0502-Y

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 Ireland Limited, 52 Ballymoughan Road, Magherafelt, BT45 6HN, UK. Tel. +44 (0) 2879 301 472.

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 Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Sens. 1, H317 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	Warning	
Hazard statements	H317 - May cause an allergic skin reaction. H412 - Harmful to aquatic life with long lasting effects.	
Precautionary statements		
Prevention	P280 - Wear protective gloves. P273 - Avoid release to the environment. P261 - Avoid breathing vapour.	
Response	₱302 + P352 - IF ON SKIN: Wash with plenty of water. P362 + P364 - Take off contaminated clothing and wash it before reuse.	
Storage	Not applicable.	
Disposal	P501 - Dispose of contents and container in accordance with all local, region national and international regulations.	onal,

SECTION 2: Hazards identification

SECTION 2. Hazarus	ю	
Hazardous ingredients	:	Contains: EO bis(benztriazolyl)phenylpropionat; Reaction mass of Bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate; 2,4,7,9-tetramethyl-5-decyne-4,7-diol and reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
Supplemental label elements	:	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. Contains biocidal products for in-can preservation: C(M)IT/ MIT (3:1).
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

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре	
<mark>ut</mark> anium dioxide	REACH #: 01-2119489379-17 EC: 236-675-5 CAS: 13463-67-7	≥10 - ≤25	Carc. 2, H351 (inhalation)	-	[1] [*]	
2-Butoxyethanol	REACH #: 01-2119475108-36 EC: 203-905-0 CAS: 111-76-2 Index: 603-014-00-0	≤3	Acute Tox. 4, H302 Acute Tox. 3, H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319	ATE [Oral] = 1200 mg/kg ATE [Inhalation (vapours)] = 3 mg/l	[1] [2]	
EO bis(benztriazolyl) phenylpropionat	REACH #: 01-0000015075-76 EC: 400-830-7 CAS: 104810-48-2 Index: 607-176-00-3	<1	Skin Sens. 1A, H317 Aquatic Chronic 2, H411	-	[1]	
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 EC: 915-687-0 CAS: 1065336-91-5	≤1	Skin Sens. 1A, H317 Repr. 2, H361f Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]	
2,4,7,9-tetramethyl- 5-decyne-4,7-diol	REACH #: 01-2119954390-39 EC: 204-809-1 CAS: 126-86-3	≤0.3	Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 3, H412	-	[1]	
Triethylamine	REACH #: 01-2119475467-26 EC: 204-469-4 CAS: 121-44-8 Index: 612-004-00-5	≤0.3	Flam. Liq. 2, H225 Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 Skin Corr. 1A, H314	ATE [Oral] = 100 mg/kg ATE [Dermal] = 300 mg/kg ATE [Inhalation	[1] [2]	

TEKNODUR AQUA 3393-23 - NCS S 0502-Y

Label No :115496

propylidynetrimethanolREACH #: $01-2119486799-10$ EC: 201-074-9 CAS: 77-99-6 ≤ 0.3 Repr. 2, H361fd-reaction mass of: 5-chloro- 2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazoli- (3:1)EC: 911-418-6 CAS: 55965-84-9 Index: 613-167-00-5 < 0.001 Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H310 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071ATE [Orall kg ATE [Inhal (vapours)] mg/l Skin Sens. C < 0.06% $\leq C$ Skin Sens. C ≥ 0.0015 M [Acute] = M [Chronic	7.2 , H335:
2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol- 3-one [EC no. 220-239-6] (3:1) CAS: 55965-84-9 Index: 613-167-00-5 Index: 613-167-00-5 Acute Tox. 2, H310 Acute Tox. 2	[1]
See Section 16 for	tion 0.5 C, .6% , H318: H319: < 0.6% 1, H317: 6 100
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.

Type

[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 ≤ 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 measures

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 if irritation occurs.
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.
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.

SECTION 4: First aid measures

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	: No specific data.			
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 : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Specific treatments : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media		
Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.
5.2 Special hazards arising f	from	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 harmful 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 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 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

	la	
6.1 Personal precautions, pro	ote	ctive 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.
6.3 Methods and material for	со	ntainment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Absorb with an inert 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. 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.
6.4 Reference to other sections	:	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

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

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. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations

: Not available.

Date of issue/Date of revision: 14/04/2025Date of previous issueTEKNODUR AQUA 3393-23 - NCS S 0502-Y

SECTION 7: Handling and storage

Industrial sector specific : Not available. solutions

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
₽-Butoxyethanol	EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed through skin. STEL 15 minutes: 50 ppm. TWA 8 hours: 25 ppm. STEL 15 minutes: 246 mg/m ³ . TWA 8 hours: 123 mg/m ³ .
Triethylamine	EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed through skin. STEL 15 minutes: 17 mg/m ³ . TWA 8 hours: 2 ppm. TWA 8 hours: 8 mg/m ³ . STEL 15 minutes: 4 ppm.

Biological exposure indices

Product/ingredien	t name	Exposure indices			
-Butoxyethanol		EH40/2005 BMGVs (United Kingdom (UK), 1/2020) BGV: 240 mmol/mol creatinine, butoxyacetic acid [in urine]. Sampling time: post shift.			
Recommended monitoring procedures	European Stand assessment of of values and mea atmospheres - (of exposure to of (Workplace atm for the measure	Id be made to monitoring standards, such as the following: dard EN 689 (Workplace atmospheres - Guidance for the exposure by inhalation to chemical agents for comparison with limit isurement strategy) European Standard EN 14042 (Workplace Guide for the application and use of procedures for the assessment chemical and biological agents) European Standard EN 482 hospheres - General requirements for the performance of procedures ement of chemical agents) Reference to national guidance methods for the determination of hazardous substances will also be			
DNELs/DMELs					
Product/ingredient name		Result			
ti tanium dioxide		DNEL - General population - Long term - Inhalation 28 μg/m³ <u>Effects</u> : Local			
		DNEL - Workers - Long term - Inhalation 170 μg/m³ <u>Effects</u> : Local			
2-Butoxyethanol		DNEL - General population - Long term - Oral 6.3 mg/kg bw/day <u>Effects</u> : Systemic			
		DNEL - General population - Short term - Oral 26.7 mg/kg bw/day <u>Effects</u> : Systemic			
		DNEL - General population - Long term - Inhalation 59 mg/m³ <u>Effects</u> : Systemic			
		DNEL - Workers - Long term - Inhalation			

SECTION 8: Exposure controls/personal protection

SECTION 6. Exposure controls/	personal protection
	98 mg/m³ <u>Effects</u> : Systemic
	DNEL - General population - Short term - Inhalation 147 mg/m ³ <u>Effects</u> : Local
	DNEL - Workers - Short term - Inhalation 246 mg/m³ <u>Effects</u> : Local
	DNEL - General population - Short term - Inhalation 426 mg/m ³ <u>Effects</u> : Systemic
	DNEL - Workers - Short term - Inhalation 1091 mg/m³ <u>Effects</u> : Systemic
Reaction mass of Bis(1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	DNEL - General population - Long term - Oral 0.18 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - General population - Long term - Inhalation 0.31 mg/m ³ <u>Effects</u> : Systemic
	DNEL - General population - Long term - Dermal 0.9 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - Workers - Long term - Inhalation 1.27 mg/m³ <u>Effects</u> : Systemic
	DNEL - Workers - Long term - Dermal 1.8 mg/kg bw/day <u>Effects</u> : Systemic
2,4,7,9-tetramethyl-5-decyne-4,7-diol	DNEL - General population - Long term - Oral 0.29 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - General population - Long term - Dermal 0.29 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - General population - Long term - Inhalation 0.505 mg/m ³ <u>Effects</u> : Systemic
	DNEL - Workers - Long term - Dermal 0.812 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - Workers - Long term - Inhalation 2.86 mg/m ³ <u>Effects</u> : Systemic
Triethylamine	DNEL - Workers - Long term - Inhalation 8.4 mg/m³ <u>Effects</u> : Local
	DNEL - Workers - Long term - Inhalation 8.4 mg/m³ <u>Effects</u> : Systemic
Date of issue/Date of revision: 14/04/2025TEKNODUR AQUA 3393-23 - NCS S 0502-Y	Date of previous issue : 27/10/2023 Version : 2 7/20 Label No : 17 5496

SECTION 8: Exposure controls/personal protection

DNEL - Workers - Short term - Inhalation 12.6 mg/m³ Effects: Local

DNEL - Workers - Short term - Inhalation 12.6 mg/m³ Effects: Systemic

DNEL - Workers - Long term - Dermal 12.1 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Long term - Oral 0.34 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Long term - Dermal 0.34 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Long term - Inhalation 0.58 mg/m³ <u>Effects</u>: Systemic

DNEL - Workers - Long term - Dermal 0.94 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Long term - Inhalation 3.3 mg/m³ Effects: Systemic

DNEL - General population - Long term - Inhalation 0.02 mg/m³ Effects: Local

DNEL - Workers - Long term - Inhalation 0.02 mg/m³ Effects: Local

DNEL - General population - Short term - Inhalation 0.04 mg/m³ Effects: Local

DNEL - Workers - Short term - Inhalation 0.04 mg/m³ Effects: Local

DNEL - General population - Long term - Oral 0.09 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Short term - Oral 0.11 mg/kg bw/day <u>Effects</u>: Systemic

propylidynetrimethanol

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

PNECs

Not available.

8.2 Exposure controls

Date of issue/Date of revision: 14/04/2025TEKNODUR AQUA 3393-23 - NCS S 0502-Y

2025 Date of previous issue

: 27/10/2023

SECTION 8: Exposure controls/personal protection

SECTION 0. Exposu				
Appropriate engineering controls	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.			
Individual protection meas	ires			
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: safety glasses with side-shields.			
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.			
	> 8 hours (breakthrough time): Nitrile gloves. thickness > 0.3 mm			
	Not recommended polyvinyl alcohol (PVA) gloves			
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. 			
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 (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

Appearance	
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
water	100	212	
2-Butoxyethanol	171 to 171.5	339.8 to 340.7	IP 123-93

Date of issue/Date of revision

: 14/04/2025 Date of previous issue

: 27/10/2023

TEKNODUR AQUA 3393-23 - NCS S 0502-Y

SECTION 9: Physic		-				
Flammability		available.	(0 h)		0 1	
Lower and upper explosic limit			-(2-butoxy-1-meth 1-(2-butoxy-1-met			
Flash point	: Clos	ed cup: >1	00°C (>212°F)			
Auto-ignition temperature) :					
Ingredient name		°C	°F	M	ethod	
Propanol, 1-(2-butoxy-1-methy	/lethoxy)	194	381.2	EU	I A.15	
2-Butoxyethanol		230	446	DII	DIN 51794	
Decomposition temperatu	re : Not	available.		I		
pH			c. (% w/w): 100%]			
Viscosity		available.				
Solubility(ies)						
Not available.						
Solubility in water	• Not	available.				
Partition coefficient: n-oc water						
Vapour pressure	:					
	\/a		sure at 20°C	V	anour pres	sure at 50°C
la sus dis statut		·	1			1
Ingredient name	mm Hg 17.5	kPa 2.3	Method	mm Hg	kPa	Method
	-					
2-Butoxyethanol	0.75006	0.1				
Relative density		available.				
Density Management		g/cm³				
Vapour density	: Not	available.				
Particle characteristics	. Not	annliachla				
Median particle size	: NOL	applicable.				
0.2 Other information						
9.2.1 Information with reg	ard to physic	al hazard o	classes			
Explosive properties		available.				
Oxidising properties	: Not	available.				
9.2.2 Other safety charact	eristics					
Not applicable.						
SECTION 10: Stabil	ity and re	activitv				
I0.1 Reactivity	•			vity available fo	r this produ	ict or its ingredient
	• No spec	nio tost udi		tity available 10		
0.2 Chemical stability	: The product is stable.					
0.3 Possibility of nazardous reactions	: Under n	ormal cond	litions of storage a	ind use, hazard	ous reactio	ons will not occur.

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

-				
	itο	toy	icity	
		UN	City	

Triethylamine

propylidynetrimethanol

Product/ingredient name

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Result

Rat - Oral - LD50 3230 mg/kg

Rat - Dermal - LD50 >3170 mg/kg

Rat - Oral - LD50 460 mg/kg

Rat - Oral - LD50 14000 mg/kg

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) Rat - Oral - LD50 53 mg/kg

<u>Toxic effects</u>: Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lung, Thorax, or Respiration - Respiratory depression

Conclusion/Summary [Product] : Not available.

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
F EKNODUR AQUA 3393-23 2-Butoxyethanol Reaction mass of Bis(1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	29092.2 1200 3230	206554.4 N/A N/A	N/A N/A N/A	122.8 3 N/A	N/A N/A N/A
Triethylamine propylidynetrimethanol reaction mass of: 5-chloro-2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)	100 14000 53	300 N/A 50	N/A N/A N/A	7.2 N/A 0.5	N/A N/A N/A

Skin corrosion/irritation

Product/ingredient name

2-Butoxyethanol

2,4,7,9-tetramethyl-5-decyne-4,7-diol

Triethylamine

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Result

Human - Skin - Mild irritant Duration of treatment/exposure: 72 hours Amount/concentration applied: 300 ug I

Rabbit - Skin - Mild irritant Amount/concentration applied: 500 mg

Rabbit - Skin - Mild irritant Amount/concentration applied: 0.5 gm

Rabbit - Skin - Mild irritant Amount/concentration applied: 365 mg

Human - Skin - Severe irritant Amount/concentration applied: 0.01 %

Conclusion/Summary [Product] : Not available.

Date of issue/Date of revision	: 14/04/2025	Date of previous issue
TEKNODUR AQUA 3393-23 - NC	S S 0502-Y	

: 27/10/2023

Version : 2 11/20 Label No : 15496

SECTION 11: Toxicological information

Product/ingredient name	Result
2-Butoxyethanol	Rabbit - Eyes - Moderate irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 100 mg
	Rabbit - Eyes - Severe irritant Amount/concentration applied: 100 mg
2,4,7,9-tetramethyl-5-decyne-4,7-diol	Rabbit - Eyes - Severe irritant Amount/concentration applied: 0.1 MI
Conclusion/Summary [Product] : Not available	9.
Respiratory corrosion/irritation	
Not available.	
Conclusion/Summary [Product] : Not available	Э.
Respiratory or skin sensitization Not available.	
Skin	
Conclusion/Summary [Product] : Not available	2.
Respiratory	
Conclusion/Summary [Product] : Not available	9.
<mark>Germ cell mutagenicity</mark> Not available.	
Conclusion/Summary [Product] : Not available	Э.
Carcinogenicity	
It has been observed that the carcinogenic hazard of leading to significant impairment of particle clearance Not available.	this product arises when respirable dust is inhaled in quantitie mechanisms in the lung.
Conclusion/Summary [Product] : Not available	3.
Reproductive toxicity	
Not available.	
Conclusion/Summary [Product] : Not available	9.
Specific target organ toxicity (single exposure)	
Product/ingredient name	Result
✓riethylamine	STOT SE 3, H335 (Respiratory tract irritation)
Specific target organ toxicity (repeated exposure)	
Not available.	
Aspiration hazard	

TEKNODUR AQUA 3393-23 - NCS S 0502-Y

SECTION ological information

Not available.	
Information on likely routes	of exposure
Not available.	
Potential acute health effect	<u>s</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Symptoms related to the ph	ysical, chemical and toxicological characteristics
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.
Delayed and immediate effe	cts as well as chronic effects from short and long-term exposure
Short term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	octs
Not available.	
Conclusion/Summary [Pro	duct] : 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.

11.2.1 Endocrine disrupting properties

Conclusion/Summary [Product]

Not available.

: The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity		Beault					
Product/ingredient name		Result					
			cute - LC50 - Marine water				
			hog - Fundulus hete	neteroclitus			
		>1000000 µg/l					
		<u>Effect</u> : Mortality	1				
		Acute - LC50 -	Fresh water				
		Crustaceans - \	Nater flea - Cerioda	aphnia dubia - Neonate			
		Age: <24 hours					
		3 mg/l [48 hours					
		Effect: Mortality	-				
Date of issue/Date of revision	: 14/04/2025	Date of previous issue	: 27/10/2023	Version : 2 13/2			
TEKNODUR AQUA 3393-23 -	NCS S 0502-Y			Label No :115496			

SECTION 12: Ecological information

2-Butoxyethanol	Acute - LC50 - Marine water Fish - Inland silverside - <i>Menidia beryllina</i> <u>Size</u> : 40 to 100 mm 1250000 μg/l [96 hours] <u>Effect</u> : Mortality
	Acute - LC50 - Marine water Crustaceans - Common shrimp, sand shrimp - <i>Crangon</i> <i>crangon</i> 800000 μg/l [48 hours] <u>Effect</u> : Mortality
Reaction mass of Bis(1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Acute - LC50 OECD [Fish, Acute Toxicity Test] Fish - <i>Brachydanio rerio</i> 0.9 mg/l [96 hours]
	EC50 OECD [Alga, Growth Inhibition Test] Aquatic plants - <i>Desmodesmodus subspicatus</i> 1.68 mg/l [72 hours]
	Chronic - NOEC OECD [Daphnia Magna Reproduction Test] Daphnia - Daphnia 1 mg/l [21 days]
2,4,7,9-tetramethyl-5-decyne-4,7-diol	LC50 Fish - <i>Cyprinus carpio</i> 42 mg/l [96 hours]
	EC50 Daphnia - <i>Daphnia magna</i> 91 mg/l [48 hours]
propylidynetrimethanol	Acute - EC50 - Fresh water Daphnia - Water flea - <i>Daphnia magna</i> <u>Age</u> : 1 to 3 days 13000000 μg/l [48 hours] <u>Effect</u> : Intoxication
	Acute - LC50 - Marine water Fish - Sheepshead minnow - <i>Cyprinodon variegatus</i> 1440000 μg/l [96 hours] <u>Effect</u> : Mortality
Conclusion/Summary [Product] : Not avai	lable.

12.2 Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Butoxyethanol	0.81	-	Low
Triethylamine	1.45	<0.5	Low
propylidynetrimethanol	-0.47	<1	Low

12.4 Mobility in soil Soil/water partition coefficient

SECTION 12: Ecological information

Product/ingredient name	logKoc	Кос				
P-Butoxyethanol 2,4,7,9-tetramethyl-5-decyne-4,7-diol Triethylamine propylidynetrimethanol	1.83 1.92 1.88 1.22	67.3685 83.8929 76.4134 16.5101				

Results of PMT and vPvM assessment

No No No	No No	No	No			
	No		INU	No	No	No
No	110	No	No	No	No	No
	No	No	No	No	No	No
No	No	No	No	No	No	No
No	No	No	No	No	No	No
No	No	No	No	No	No	No
	No	No				No
No :	No	No	No	No	No	No
	No No No No	No No No No No No No No	No No No No No No No No No No No No	No No No No No No No No No No No No No No No No	No No	No No

Conclusion/Summary

: The product does not meet the criteria to be considered as a PMT or vPvM.

12.5 Results of PBT and vPvB assessment Regulation (EC) No. 1907/2006 [REACH]

Product/ingredient name	PBT	Р	В	т	vPvB	vP	vB
₩anium dioxide	No	No	No	No	No	No	No
2-Butoxyethanol	No	No	No	No	No	No	No
EO bis(benztriazolyl) phenylpropionat	No	No	No	No	No	No	No
Reaction mass of Bis (1,2,2,6,6-pentamethyl-	No	No	No	No	No	No	No
4-piperidyl) sebacate and Methyl							
1,2,2,6,6-pentamethyl-							
4-piperidyl sebacate							
2,4,7,9-tetramethyl-	No	No	No	No	No	No	No
5-decyne-4,7-diol							
Triethylamine	No	No	No	No	No	No	No
propylidynetrimethanol	No	No	No	No	No	No	No
reaction mass of: 5-chloro-	No	No	No	No	No	No	No
2-methyl-4-isothiazolin-							
3-one [EC no. 247-500-7]							
and 2-methyl-2H-isothiazol-							
3-one [EC no. 220-239-6] (3:							
1)							

Regulation (EC) No. 1272/2008 [CLP]

Product/ingredient name	PBT	Р	В	т	vPvB	vP	vB
titanium dioxide	No	No	No	No	No	No	No
2-Butoxyethanol	No	No	No	No	No	No	No
EO bis(benztriazolyl) phenylpropionat	No	No	No	No	No	No	No
Reaction mass of Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and	No	No	No	No	No	No	No
Methyl							
1,2,2,6,6-pentamethyl- 4-piperidyl sebacate							
2,4,7,9-tetramethyl- 5-decyne-4,7-diol	No	No	No	No	No	No	No
Triethylamine	No	No	No	No	No	No	No
propylidynetrimethanol	No	No	No	No	No	No	No
reaction mass of: 5-chloro- 2-methyl-4-isothiazolin-	No	No	No	No	No	No	No
3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-							
3-one [EC no. 220-239-6] (3: 1)							

Conclusion/Summary Regulation (EC) No. 1272/2008 [CLP] : The product does not meet the criteria to be considered as a PBT or vPvB.

12.6 Endocrine disrupting properties

Not available.

Conclusion/Summary [Product]

: The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

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.
080112
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. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14. Transport information

SECTION 14: Transport Information							
	ADR/RID	ADN	IMDG	ΙΑΤΑ			
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.	Not regulated.			
14.2 UN proper shipping name	-	-	-	-			
14.3 Transport hazard class(es)	-	-	-	-			
14.4 Packing group	-	-	-	-			
14.5 Environmental hazards	No.	No.	No.	No.			

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

user

14.6 Special precautions for : 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 Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (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.

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

Product/ingredient name		%	Designation [Usage]			
TEKNODUR AQUA 3393-23		≥90	3			
Labelling						
Other EU regulations						
Industrial emissions (integrated pollution prevention and control) - Air	Not listed					
Industrial emissions (integrated pollution prevention and control) - Water	Not listed					
Explosive precursors	Not applicab	le.				
Ozone depleting substances Not listed.	<u>s (EU 2024/590</u>	<u>))</u>				
Prior Informed Consent (PIC Not listed.	i) (649/2012/El	<u>(ר</u>				
Date of issue/Date of revision	: 14/04/2025	Date of previ	ous issue : 27/10/2023	Version	:2	17/20

TEKNODUR AQUA 3393-23 - NCS S 0502-Y

SECTION 15: Regulatory information

Persistent Organic Pollutants Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

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	: 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	 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
	vPvB = Very Persistent and Very Bioaccumulative

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

Classification	Justification
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

⊮ 225	Highly flammable liquid and vapour.			
H301	Toxic if swallowed.			
H302	Harmful if swallowed.			
H310	Fatal in contact with skin.			
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.			
H331	Toxic if inhaled.			
H335	May cause respiratory irritation.			
H351	Suspected of causing cancer.			
H361f	Suspected of damaging fertility.			
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.			
H400	Very toxic to aquatic life.			
Date of issue/Date of revision : 14/04/2025 Date of previous issue : 27/10/2023		Version	:2	18/20
TEKNODUR AC	TEKNODUR AQUA 3393-23 - NCS S 0502-Y Label No : 75496			

SECTION 16: Other information				
	v toxic to aquatic life with long lasting effects.			
	ic to aquatic life with long lasting effects.			
	nful to aquatic life with long lasting effects.			
EUH071 C	osive to the respiratory tract.			
Full text of classifie	cations [CLP/GHS]			
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			
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			
Repr. 2	REPRODUCTIVE TOXICITY - Category 2			
Skin Corr. 1A	SKIN CORROSION/IRRITATION - Category 1A			
Skin Corr. 1C	SKIN CORROSION/IRRITATION - Category 1C			
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2			
Skin Sens. 1	SKIN SENSITISATION - Category 1			
Skin Sens. 1A	SKIN SENSITISATION - Category 1A			
Skin Sens. 1B	SKIN SENSITISATION - Category 1B			
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3			
Date of issue/ Date	of : 14/04/2025			
revision				
Date of previous is	sue : 27/10/2023			
Version	: 2			
	TEKNODUR AQUA 3393-23_NCS S 0502-Y NCS S 0502-Y			

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.

Date of issue/Date of revision TEKNODUR AQUA 3393-23 - NCS S 0502-Y

: 14/04/2025 Date of previous issue

: 27/10/2023