

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

 1.1 Product identifier **TEKNODUR AQUA 3393-05**

 1.2 Relevant identified uses of the substance or mixture and uses advised against
 See product description

1.3 Details of the supplier of the safety data sheet

TEKNOS UK Ltd.

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Information on foreign manufacturer

TEKNOS A/S, Industrivej 19, DK-6580 Vamdrup

1.4 Emergency telephone number

Manufacturer

01608 683494 (safety data sheets)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.2 Label elements

Contains:
R-phrases

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

S23: Do not breathe vapour/spray. S51: Use only in well-ventilated areas. S61: Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Special phrases

Contains Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacat, Hydroxyphenylbenzotriazol. May produce an allergic reaction.

National regulations

2.3 Other hazards

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

According to DPD 67/548/EØF

CAS No Einecs-/Elincs No	Name of the ingredient	Concentration	Warning symbol	R-phrases
41556-26-7 255-437-1	Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacat	<0,5%	N-Xi	43-50-53
111-76-2 203-905-0	2-Butoxyethanol	1-2,5%	Xi-Xn	21-38-20-22-36
400-830-7	Hydroxyphenylbenzotriazol	<1%	N-Xi	43-51-53

According to CLP 1272/2008

CAS No Einecs-/Elincs No	Name of the ingredient	Concentration	Warning symbol and H-statements
41556-26-7 255-437-1	Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacat	<0,5%	
111-76-2 203-905-0	2-Butoxyethanol	1-2,5%	Acute Tox. 4;H332 - Acute Tox. 4;H312 - Acute Tox. 4;H302 - Eye Irrit. 2;H319 - Skin Irrit. 2;H315
400-830-7	Hydroxyphenylbenzotriazol	<1%	Skin Sens. 1;H317 - Aquatic Chronic 2;H411

3.3 Other information

T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritant, O = Oxidizing, F+ = Extremely flammable, F = Highly flammable, N = Dangerous for the environment, Mut = Mutagenic, Carc = Carcinogenic, Rep = Toxic to reproduction.

See section 16 for the full text of the R-phrases and H-statements declared above.

4 FIRST AID MEASURES		
4.1	Description of first aid measures	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.
4.2	Most important symptoms and effects, both acute and delayed	Not applicable
4.3	Indication of any immediate medical attention and special treatment needed	
	Inhalation	Remove person exposed to excessive solvent concentrations to fresh air, keep patient warm and at rest. If breathing is irregular, give artificial respiration or oxygen. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.
	Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Apply skin cream. Do NOT use solvents or thinners.
	Eye contact	Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.
	Ingestion	Do NOT induce vomiting. If accidentally swallowed obtain immediate medical attention. Keep at rest. Drink water or milk.
5 FIRE FIGHTING MEASURES		
5.1	Extinguishing media	The product is not flammable.
5.2	Special hazards arising from the substance or mixture	-
5.3	Advice for firefighters	-
6 ACCIDENTAL RELEASE MEASURES		
6.1	Personal precautions, protective equipment and emergency procedures	Avoid breathing vapours. Refer to protective measures listed in section 7 and 8. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents.
6.2	Environmental precautions	If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.
6.3	Methods and material for containment and cleaning up	Clean preferably with a detergent; avoid use of solvent. Collect spillage with sand or other absorbent material. Sweep up small amounts with e.g. waste cotton wetted with solvent. Gather waste for destruction as hazardous waste. Wash contaminated area with alkaline washing agent.
6.4	Reference to other sections	
7 HANDLING AND STORAGE		
7.1	Precautions for safe handling	Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection, see section 8. Always keep in containers made of the same material as the supply container.
7.2	Conditions for safe storage, including any incompatibilities	Observe the label precautions. Store between 5 and 25 degree C in a dry, well-ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers, which are opened should be carefully resealed and kept upright to prevent leakage. Keep away from sources of ignition. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Follow national legislation concerning storage.
7.3	Specific and use(s)	

8 EXPOSURE CONTROLS/PERSONAL PROTECTION	
8.1 Control parameters	
OEL values	
	ppm
2-Butoxyethanol	25,0
	mg/m ³
Hydroxyphenylbenzotriazol	123,0 Sk, Bmgv 1,0 *
Other limit values	OELs are taken from the current version concerning exposure limits, except those marked *, which are assigned by the supplier of the substance.
8.2 Exposure controls	
Occupational exposure controls	The workers must be instructed thoroughly. Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn. (See "Personal protection" below).
Respiratory protection	If working areas have insufficient ventilation, wear half or totally covering mask equipped with gas filter of type A (brown), when grinding with particle filter of type P2. When spraying wear combined filter AP. In continuous and prolonged work isolating protection (e.g. hood with supply of fresh or compressed air) or motor-driven fan protection is recommended.
Hand protection	Use nitril or butyl rubber gloves or 4 H, if the product comes into contact with the skin. Change gloves immediately when first signs of decomposition appear. Always contact the supplier of gloves for information on the breakthrough time and for recommendation of the best glove to the actual work situation.
Eye protection	Use safety eyewear designed to protect against splash of liquids.
Skin protection	Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.
9 PHYSICAL AND CHEMICAL PROPERTIES	
9.1 Information on basic physical and chemical properties	Liquid, coloured, with mild odour
pH	7,8-8,3
Flash point	Approx. >55 °C
Explosion limits (vol%):	-
Relative density (kg/l)	1,0-1,1
Weight% organic solvents	App. 5
Weight% water	App. 64
9.2 Other information	
VOC	App. 34 g/l
10 STABILITY AND REACTIVITY	
10.1 Reactivity	Not applicable
10.2 Chemical stability	Not applicable
10.3 Possibility of hazardous reactions	Not applicable
10.4 Conditions to avoid	Stable under the recommended storage and handling conditions (see Section 7). When exposed to high temperatures may produce hazardous decomposition products.
10.5 Incompatible materials	Keep away from oxidising agents, strongly alkaline and strongly acid materials to avoid the possibility of exothermic reaction.
10.6 Hazardous decomposition products	When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, smoke, or oxides of nitrogen.
11 TOXICOLOGICAL INFORMATION	
11.1 Information on toxicological effects	
Inhalation	If inhalation of vapour and spray mist is avoided, the health risk at normal work is little.
Skin contact	Repeated and prolonged contact with the product may cause removal of natural fat from the skin and may cause non-allergic contact dermatitis.
Eye contact	Splashes in the eye may cause irritation and reversible damage.
Ingestion	Ingestion may cause vomiting, stomach pains and otherwise same symptoms as by inhalation of fumes.
Other information	There is no data available on the product itself.
12 ECOLOGICAL INFORMATION	
12.1 Toxicity:	
Ecotoxicity	There is no information available on the ecotoxicity of the product as such.
Environmental classification	The product has been classified as dangerous for the environment. See paragraphs 3 and 15 for detailed information.
12.2 Persistence and degradability	Not applicable
12.3 Bioaccumulative potential	Not applicable
12.4 Mobility in soil	Not applicable
12.5 Results of PBT and vPvB assessment	Not applicable
12.6 Other adverse effects	Paint products must be handled carefully and they may not be allowed to enter drains, watercourses or soil.

13	DISPOSAL CONSIDERATIONS	
13.1	Waste treatment methods	
	Disposal	The waste is collected and disposed in accordance with local regulations. Liquid waste must be transported to facilities for collecting hazardous waste or to other similar place to be disposed as hazardous waste. Solvent-free, hardened paint and painting waste can usually be taken to a public dumping area. Empty, dry paint containers can usually be taken to public dumping areas or to collection centres for metallic paint packages. EWC (European Waste Code):080112
	Emptying of steel containers	Metal containers that are taken to recycling must be brush dry/empty, which means that they must not contain wet paint. The bottom of the containers must be perforated to ensure that the containers are ventilated.
	Other information	
14	TRANSPORT INFORMATION	
14.1	UN number	-
14.2	Un proper shipping name	-
14.3	Transport hazard class(es)	-
14.4	Packing group	-
14.5	Environmental Hazards	
14.6	Special precautions for user	-
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	-
14.8	Other information	-
15	REGULATORY INFORMATION	
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.2	Chemical safety assessment	Not applicable
	Label no.	10148
16	Other information	
16.1	R-phrases and H-statements from section 3	R20: Harmful by inhalation. R21: Harmful in contact with skin. R22: Harmful if swallowed. R36: Irritating to eyes. R38: Irritating to skin. R43: May cause sensitization by skin contact. R50: Very toxic to aquatic organisms. R51: Toxic to aquatic organisms. R53: May cause long-term adverse effects in the aquatic environment. H332: Harmful if inhaled. H312: Harmful in contact with skin. H302: Harmful if swallowed. H319: Causes serious eye irritation. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H411: Toxic to aquatic life with long lasting effects.
16.2	Training advice	-
16.3	Restrictions on use	Detailed instructions for use are given on the label or in the data sheet of the product.
16.4	Further information	TEKNOS A/S/laboratory (material safety data sheet), tel. +45 76939400 Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II. The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.
16.5	Information which has been added, deleted or revised	