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

SAFETY DATA SHEET



AQUAPRIMER 2900-06 - All variants

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

1.1 Product identifier

Product name : AQUAPRIMER 2900-06 - 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
 : Malta Competition and Consumer Affairs Authority (MCCAA): +356 2395 2000

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. 362 + P364 - Take off contaminated clothing and wash it before reus	se.
Storage	Not applicable.	
Disposal	P501 - Dispose of contents and container in accordance with all local, national and international regulations.	regional,

SECTION 2: Hazards identification

Hazardous ingredients	:	Contains: 1,2-benzisothiazol-3(2H)-one; 2-methyl-2H-isothiazol-3-one and 2-Octyl-2H-isothiazol-3-one
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: BIT and Bronopol and MIT and OIT.
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
Manium 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	<1	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]
ammonia, anhydrous	EC: 231-635-3 CAS: 7664-41-7 Index: 007-001-00-5	≤0.3	Flam. Gas 2, H221 Press. Gas (Comp.), H280 Acute Tox. 3, H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400	ATE [Inhalation (gases)] = 2000 ppm M [Acute] = 1	[1] [2]
1,2-benzisothiazol-3(2H)- one	EC: 220-120-9 CAS: 2634-33-5 Index: 613-088-00-6	<0.036	Acute Tox. 4, H302 Acute Tox. 2, H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 450 mg/kg ATE [Inhalation (dusts and mists)] = 0.21 mg/l Skin Sens. 1, H317: C $\geq 0.036\%$ M [Acute] = 1 M [Chronic] = 1	[1]
Bronopol	EC: 200-143-0 CAS: 52-51-7 Index: 603-085-00-8	≤0.1	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400	ATE [Oral] = 307 mg/kg ATE [Dermal] = 1100 mg/kg M [Acute] = 10	[1]
2-methyl-2H-isothiazol-	EC: 220-239-6	<0.01	Acute Tox. 3, H301	ATE [Oral] = 100	[1]
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3-one	CAS: 2682-20-4 Index: 613-326-00-9		Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071	$\begin{array}{l} \text{mg/kg} \\ \text{ATE [Dermal]} = \\ 300 \text{ mg/kg} \\ \text{ATE [Inhalation} \\ (\text{dusts and mists})] \\ = 0.11 \text{ mg/l} \\ \text{Skin Sens. 1, H317:} \\ \text{C} \geq 0.0015\% \\ \text{M [Acute]} = 10 \\ \text{M [Chronic]} = 1 \end{array}$	
2-Octyl-2H-isothiazol-3-one	EC: 247-761-7 CAS: 26530-20-1 Index: 613-112-00-5	<0.025	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071 See Section 16 for the full text of the H statements declared	ATE [Oral] = 125 mg/kg ATE [Dermal] = 311 mg/kg ATE [Inhalation (dusts and mists)] = 0.27 mg/l Skin Sens. 1, H317: $C \ge 0.0015\%$ M [Acute] = 100 M [Chronic] = 100	[1]

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.

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.
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.
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SECTION 4: First aid	d measures
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.
	ns and effects, both acute and delayed
Over-exposure signs/symp	
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 immed	iate 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: Firefigh	ting 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	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: 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

6.1 Personal precautions, protective equipment and emergency procedures				
For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.			
For emergency responders	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".			

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SECTION 6: Accidental release measures

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 environmenta 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. 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.

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

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Product/ingredient name	Exposure limit values
-Butoxyethanol	EU OEL (Europe, 1/2022) Absorbed through skin.
-	TWA 8 hours: 20 ppm.
	TWA 8 hours: 98 mg/m ³ .
	STEL 15 minutes: 50 ppm.
	STEL 15 minutes: 246 mg/m ³ .
ammonia, anhydrous	EU OEL (Europe, 1/2022) [ammonia, anhydrous]
	TWA 8 hours: 20 ppm.
	TWA 8 hours: 14 mg/m ³ .
	STEL 15 minutes: 50 ppm.
	STEL 15 minutes: 36 mg/m ³ .

Biological exposure indices

Product/ingredient name	Exposure indices
No exposure indices known.	
procedures European Sta assessment of values and m atmospheres of exposure t (Workplace a for the measu	hould be made to monitoring standards, such as the following: andard EN 689 (Workplace atmospheres - Guidance for the of exposure by inhalation to chemical agents for comparison with limit beasurement strategy) European Standard EN 14042 (Workplace - Guide for the application and use of procedures for the assessment o chemical and biological agents) European Standard EN 482 atmospheres - General requirements for the performance of procedures urement of chemical agents) Reference to national guidance or methods for the determination of hazardous substances will also be
DNELs/DMELs	
Product/ingredient name	Result
<mark>b</mark> 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/m ³ <u>Effects</u> : Systemic
	DNEL - Workers - Long term - Inhalation 98 mg/m³ <u>Effects</u> : Systemic
	DNEL - General population - Short term - Inhalation 147 mg/m³ <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

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ammonia, anhydrous

DNEL - Workers - Short term - Inhalation 1091 mg/m³ <u>Effects:</u> Systemic

DNEL - General population - Long term - Inhalation 2.8 mg/m³ Effects: Local

DNEL - General population - Short term - Oral 6.8 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Long term - Oral 6.8 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Short term - Dermal 6.8 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Long term - Dermal 6.8 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Short term - Dermal 6.8 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Long term - Dermal 6.8 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Short term - Inhalation 7.2 mg/m³ Effects: Local

DNEL - Workers - Long term - Inhalation 14 mg/m³ Effects: Local

DNEL - General population - Short term - Inhalation 23.8 mg/m³ Effects: Systemic

DNEL - General population - Long term - Inhalation 23.8 mg/m³ <u>Effects</u>: Systemic

DNEL - Workers - Short term - Inhalation 36 mg/m³ Effects: Local

DNEL - Workers - Short term - Inhalation 47.6 mg/m³ Effects: Systemic

DNEL - Workers - Long term - Inhalation 47.6 mg/m³ <u>Effects</u>: Systemic

DNEL - General population - Long term - Dermal 0.345 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Long term - Dermal

1,2-benzisothiazol-3(2H)-one

DIVEL - WORKEIS - Long term - Derma

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Bronopol

0.966 mg/kg bw/day Effects: Systemic

DNEL - General population - Long term - Inhalation 1.2 mg/m³ <u>Effects</u>: Systemic

DNEL - Workers - Long term - Inhalation 6.81 mg/m³ <u>Effects</u>: Systemic

DNEL - General population - Short term - Oral 0.5 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Short term - Inhalation 1.8 mg/m³ <u>Effects</u>: Systemic

DNEL - General population - Short term - Dermal 2.1 mg/kg bw/day Effects: Systemic

DNEL - Workers - Short term - Dermal 6 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Short term - Inhalation 10.5 mg/m³ <u>Effects</u>: Systemic

DNEL - General population - Short term - Dermal 4 µg/cm² Effects: Local

DNEL - General population - Long term - Dermal 4 µg/cm² Effects: Local

DNEL - Workers - Short term - Dermal 8 µg/cm² <u>Effects</u>: Local

DNEL - Workers - Long term - Dermal 8 µg/cm² Effects: Local

DNEL - General population - Long term - Oral 0.18 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Short term - Inhalation 0.6 mg/m³ Effects: Local

DNEL - General population - Long term - Inhalation 0.6 mg/m³ Effects: Local

DNEL - General population - Long term - Inhalation 0.6 mg/m³ Effects: Systemic

DNEL - General population - Long term - Dermal 0.7 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Long term - Dermal 2 mg/kg bw/day Effects: Systemic

DNEL - Workers - Short term - Inhalation 2.5 mg/m³ Effects: Local

DNEL - Workers - Long term - Inhalation 2.5 mg/m³ Effects: Local

DNEL - Workers - Long term - Inhalation 3.5 mg/m³ Effects: Systemic

DNEL - General population - Long term - Inhalation 0.021 mg/m³ <u>Effects</u>: Local

DNEL - Workers - Long term - Inhalation 0.021 mg/m³ <u>Effects</u>: Local

DNEL - General population - Long term - Oral 0.027 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Short term - Inhalation 0.043 mg/m³ Effects: Local

DNEL - Workers - Short term - Inhalation 0.043 mg/m³ Effects: Local

DNEL - General population - Short term - Oral 0.053 mg/kg bw/day <u>Effects</u>: Systemic

PNECs

Not available.

8.2 Exposure controls

Appropriate engineering controls	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Individual protection measu	<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: safety glasses with side-shields.
Skin protection	

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2-methyl-2H-isothiazol-3-one

	<u> </u>					
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard shoul be worn at all times when handling chemical products if a risk assessment indicate this is necessary. Considering the parameters specified by the glove manufacture 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	: Various
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	
Flammability	: Not ava	ilable.		

Flammability	: Not available.					
Lower and upper explosion limit	: Lower: Not applicable. Upper: Not applicable.					
Flash point	: Closed cup: >100°C (>212°F)					
Auto-ignition temperature	: Not available.					
Decomposition temperature	: Not available.					
рН	: 8 to 8.5 [Conc. (% w/w): 100%]					
Viscosity	: Not available.					
Solubility(ies)	:					
Not available.						
Solubility in water	: Not available.					
Partition coefficient: n-octanol/ water	: Not applicable.					
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SECTION 9⁻ Physical and chemical properties

Vapour pressure	:							
	V	apour Pres	sure at 20°C	V	apour pres	sure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method		
water	17.5	2.3						
Relative density	: No	t available.						
Density	: 1.2	: 1.2 g/cm ³						
Vapour density	: No	t available.						
Particle characteristics								
Median particle size	: No	t applicable.						
9.2 Other information								
9.2.1 Information with rega	rd to physi	cal hazard	classes					
Explosive properties	: No	t available.						
Oxidising properties	: No	t available.						
9.2.2 Other safety character	ristics							
Not applicable.								
SECTION 10: Stabilit	ty and r	eactivity	,					
10.1 Reactivity	: No spe	ecific test dat	ta related to reacti	vity available fo	or this produ	ict or its ingredient		
10.2 Chemical stability	: The pr	oduct is stat	ble.					
10.3 Possibility of hazardous reactions	: Under	normal conc	litions of storage a	and use, hazaro	lous reactio	ons will not occur.		
10.4 Conditions to avoid	: No spe	ecific data.						
10.5 Incompatible materials	: No spe	ecific data.						
10.6 Hazardous decomposition products		normal conc not be prod		and use, hazaro	lous decom	position products		

SECTION 11: Toxicological information

11.1 Information on hazard clas	ses as defin	ed in Regulation (EC)	No 1272/2008		
Product/ingredient nameResultImmonia, anhydrousRat - Inhalation - LC50 Gas. 2000 ppm [4 hours]Rat - Inhalation - LC50 Gas. 9500 ppm [1 hours]					
1,2-benzisothiazol-3(2H)-one		Rat - Inhalatio 4673 mg/m³ [4 Rat - Oral - LE 1020 mg/kg	³ [4 hours] LD50		
Bronopol		Rat - Dermal - 4750 mg/kg Rat - Oral - LE 307 mg/kg Rat - Inhalatio		mists	
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SECTION 11: Toxicological information

>0.588 mg/l [4 hours]

2-methyl-2H-isothiazol-3-one

Rat - Inhalation - LC50 Dusts and mists 0.11 mg/l [4 hours]

2-Octyl-2H-isothiazol-3-one

Rat - Oral - LD50 550 mg/kg

Rabbit - Dermal - LD50 690 mg/kg

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

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)
QUAPRIMER 2900-06	N/A	N/A	693791.6	314.8	N/A
2-Butoxyethanol	1200	N/A	N/A	3	N/A
ammonia, anhydrous	N/A	N/A	2000	4.673	N/A
1,2-benzisothiazol-3(2H)-one	450	N/A	N/A	N/A	0.21
Bronopol	307	1100	N/A	N/A	N/A
2-methyl-2H-isothiazol-3-one	100	300	N/A	N/A	0.11
2-Octyl-2H-isothiazol-3-one	125	311	N/A	N/A	0.27

Product/ingredient name	Result						
iitanium dioxide	Human - Skin - Mild irritant						
	Duration of treatment/exposure: 72 hours						
	Amount/concentration applied: 300 ug l						
2-Butoxyethanol	Rabbit - Skin - Mild irritant						
	Amount/concentration applied: 500 mg						
1,2-benzisothiazol-3(2H)-one	Human - Skin - Mild irritant						
	Duration of treatment/exposure: 48 hours						
	Amount/concentration applied: 5 %						
Bronopol	Human - Skin - Moderate irritant						
	Amount/concentration applied: 10 mg						
	Rabbit - Skin - Mild irritant						
	Duration of treatment/exposure: 24 hours						
	Amount/concentration applied: 500 mg						
	Rabbit - Skin - Moderate irritant						
	Amount/concentration applied: 80 mg						
	<u></u>						
Conclusion/Summary [Product] : Bas	sed on available data, the classification criteria are not met.						
Conclusion/Summary [Product] : Bas Serious eye damage/eye irritation							
Serious eye damage/eye irritation	sed on available data, the classification criteria are not met.						
Serious eye damage/eye irritation Product/ingredient name	sed on available data, the classification criteria are not met. Result Rabbit - Eyes - Moderate irritant Duration of treatment/exposure: 24 hours						
Serious eye damage/eye irritation Product/ingredient name	sed on available data, the classification criteria are not met. Result Rabbit - Eyes - Moderate irritant						
Serious eye damage/eye irritation Product/ingredient name	sed on available data, the classification criteria are not met. Result Rabbit - Eyes - Moderate irritant Duration of treatment/exposure: 24 hours						
Serious eye damage/eye irritation Product/ingredient name	sed on available data, the classification criteria are not met. Result Rabbit - Eyes - Moderate irritant <u>Duration of treatment/exposure</u> : 24 hours <u>Amount/concentration applied</u> : 100 mg						
Serious eye damage/eye irritation Product/ingredient name	sed on available data, the classification criteria are not met. Result Rabbit - Eyes - Moderate irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 100 mg Rabbit - Eyes - Severe irritant						
Serious eye damage/eye irritation Product/ingredient name P-Butoxyethanol	sed on available data, the classification criteria are not met. Result Rabbit - Eyes - Moderate irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 100 mg Rabbit - Eyes - Severe irritant Amount/concentration applied: 100 mg Rabbit - Eyes - Severe irritant	1.					

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SECTION 11: Toxicological information

Amount/concentration applied: 100 mg **Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met. **Respiratory corrosion/irritation** Not available. **Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met. **Respiratory or skin sensitization** Not available. Skin Conclusion/Summary [Product] : May produce an allergic reaction. Respiratory **Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met. Germ cell mutagenicity Not available. **Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met. Carcinogenicity 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. Not available. **Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met. **Reproductive toxicity** Not available. **Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met. Specific target organ toxicity (single exposure) **Product/ingredient name** Result Bronopol STOT SE 3, H335 (Respiratory tract irritation) Specific target organ toxicity (repeated exposure) Not available. **Aspiration hazard** Not available. Information on likely routes of exposure Not available. Potential acute health effects 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 physical, chemical and toxicological characteristics

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SECTION 11: Toxico	ogical information
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
<u>Short term exposure</u>	
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	ects
Not available.	
Conclusion/Summary [Pro	duct] : Based on available data, the classification criteria are not met.
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 Information on other ha	zards
11.2.1 Endocrine disrupting Not available.	properties
Conclusion/Summary [Pro	duct] : 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										
Product/ingredient name		Result	Result							
titanium dioxide		Acute - LC50 Fish - Mummic >1000000 μg/l <u>Effect</u> : Mortalit	hog - <i>Fundulus hete</i> [96 hours]	proclitus						
		Acute - LC50 Crustaceans - <u>Age</u> : <24 hours 3 mg/l [48 hours <u>Effect</u> : Mortalit	Water flea - <i>Cerioda</i> s ˈs]	nphnia dubia - Neonate						
2-Butoxyethanol		Fish - Inland si <u>Size</u> : 40 to 100 1250000 µg/l [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 Crustaceans - <i>crangon</i> 800000 μg/l [4	Common shrimp, sa	nd shrimp - <i>Crangon</i>						
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SECTION 12: Ecological inform	nation
	Effect: Mortality
ammonia, anhydrous	Acute - LC50 - Fresh water Fish - Carp - <i>Hypophthalmichthys nobilis</i> 300 μg/l [96 hours] <u>Effect</u> : Mortality
	Acute - LC50 - Fresh water Daphnia - Water flea - <i>Daphnia magna</i> 0.53 ppm [48 hours] <u>Effect</u> : Mortality
	Acute - EC50 - Marine water Algae - Sea Lettuce - <i>Ulva fasciata</i> - Zoea 29.2 mg/l [96 hours] <u>Effect</u> : Reproduction
	Chronic - NOEC - Marine water Fish - Sea bass - <i>Dicentrarchus labrax</i> <u>Weight</u> : 131.3 g 0.204 mg/l [62 days] <u>Effect</u> : Biochemistry
1,2-benzisothiazol-3(2H)-one	Acute - LC50 - Fresh water OECD [Fish, Acute Toxicity Test] Fish - Trout - <i>Onorhynchus Mykiss</i> 1.9 mg/l [96 hours]
	Acute - EC50 OECD 202 [Daphnia sp. Acute Immobilization Test and Reproduction Test] Daphnia - Daphnia - <i>Daphnia Magna</i> 3.7 mg/l [48 hours]
	Acute - EC50 - Marine water OECD 201 [Alga, Growth Inhibition Test] Algae - Algae - <i>Skeletonema Costatum</i> 0.36 mg/l [72 hours]
	Acute - NOEC - Marine water OECD 201 [Alga, Growth Inhibition Test] Algae - Algae - <i>Skeletonema Costatum</i> 0.15 mg/l [72 hours]
Bronopol	Acute - EC50 Daphnia 1.4 mg/l [48 hours]
	Acute - LC50 Fish 41.2 mg/l [96 hours]
	Chronic - NOEC US EPA Fish - Rainbow trout,donaldson trout - <i>Oncorhynchus mykiss</i> 1.94 ppm [49 days] <u>Effect</u> : Growth
	Acute - EC50 - Fresh water US EPA Algae - Green algae - <i>Scenedesmus subspicatus</i> 0.02 ppm [96 hours]
	Acute - LC50 - Fresh water US EPA

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SECTION 12: Ecological information	
	Fish - Bluegill - <i>Lepomis macrochirus</i> <u>Weight</u> : 0.34 g 11.17 ppm [96 hours] <u>Effect</u> : Mortality
2-methyl-2H-isothiazol-3-one	Acute - EC50 - Fresh water US EPA Daphnia - Water flea - <i>Daphnia magna</i> <u>Age</u> : <24 hours 0.18 ppm [48 hours] <u>Effect</u> : Intoxication
	Acute - LC50 - Fresh water US EPA Fish - Rainbow trout,donaldson trout - <i>Oncorhynchus mykiss</i> <u>Weight</u> : 0.73 g 0.07 ppm [96 hours] <u>Effect</u> : Mortality
2-Octyl-2H-isothiazol-3-one	Acute - EC50 - Fresh water US EPA Daphnia - Water flea - <i>Daphnia magna</i> <u>Age</u> : <24 hours 107 ppb [48 hours] <u>Effect</u> : Intoxication
	Acute - LC50 - Fresh water US EPA Fish - Rainbow trout,donaldson trout - <i>Oncorhynchus mykiss</i> <u>Weight</u> : 0.7 g 47 ppb [96 hours] <u>Effect</u> : Mortality
	Chronic - NOEC - Fresh water US EPA Daphnia - Water flea - <i>Daphnia magna</i> 74 ppb [21 days] <u>Effect</u> : No Effect Coded
	Chronic - NOEC US EPA Fish - Fathead minnow - <i>Pimephales promelas</i> 8.5 ppb [35 days] <u>Effect</u> : Growth
Conclusion/Summary [Product] : Not available	Э.
12.2 Persistence and degradability	

12.2 Persistence and degradability

Product/ingredient name

7,2-benzisothiazol-3(2H)-one

Result

EU 24% [28 days]

Conclusion/Summary [Product] : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
2-benzisothiazol-3(2H)-one	-	-	Inherent
Bronopol	-	-	Readily

12.3 Bioaccumulative potential

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SECTION 12: Ecological information

	5					
Product/ingredient name	LogP _{ow}	BCF	Potential			
Butoxyethanol	0.81	-	Low			
1,2-benzisothiazol-3(2H)-one	-	3.2	Low			
Bronopol	0.18	-	Low			
2-Octyl-2H-isothiazol-3-one	2.45		Low			

12.4 Mobility in soil

Soil/water partition coefficient

Product/ingredient name	logKoc	Кос	
2-Butoxyethanol	1.83	67.3685	
1,2-benzisothiazol-3(2H)-one	1.86	73.142	
Bronopol	1.02	10.3771	
2-methyl-2H-isothiazol-3-one	1.74	54.9187	
2-Octyl-2H-isothiazol-3-one	2.85	706.605	

Results of PMT and vPvM assessment

Product/ingredient name	PMT	Р	Μ	Т	vPvM	vP	٧M
titanium dioxide	No	No	No	No	No	No	No
2-Butoxyethanol	No	No	No	No	No	No	No
ammonia, anhydrous	No	No	No	No	No	No	No
1,2-benzisothiazol-3(2H)-one	No	No	No	No	No	No	No
Bronopol	No	No	No	No	No	No	No
2-methyl-2H-isothiazol-3-one	No	No	No	No	No	No	No
2-Octyl-2H-isothiazol-3-one	No	No	No	No	No	No	No

Mobility

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
ti tanium dioxide	No	No	No	No	No	No	No
2-Butoxyethanol	No	No	No	No	No	No	No
ammonia, anhydrous	No	No	No	No	No	No	No
1,2-benzisothiazol-3(2H)-one	No	No	No	No	No	No	No
Bronopol	No	No	No	No	No	No	No
2-methyl-2H-isothiazol-3-one	No	No	No	No	No	No	No
2-Octyl-2H-isothiazol-3-one	No	No	No	No	No	No	No

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
ammonia, anhydrous	No	No	No	No	No	No	No
1,2-benzisothiazol-3(2H)-one	No	No	No	No	No	No	No
Bronopol	No	No	No	No	No	No	No
2-methyl-2H-isothiazol-3-one	No	No	No	No	No	No	No
2-Octyl-2H-isothiazol-3-one	No	No	No	No	No	No	No

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 1 disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

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12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
European waste catalogue (EWC)	: 080112
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
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.

14.6 Special precautions for user

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

14.7 Maritime transport in bulk according to IMO instruments : Not relevant/applicable due to nature of the product.

SECTION 15: Regulatory information

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

Annex XIV - List of substances subject to authorisation

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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]
AQUAPRIMER 2900-06	≥90	3

Labelling

· · · · · · · · · · · · · · · · · · ·		
Other EU regulations		
Industrial emissions	1	Not listed
(integrated pollution		
prevention and control) - Air		
Industrial emissions		Not listed
(integrated pollution		NOLIISLEU
prevention and control) -		
Water		
Explosive precursors	1	Not applicable.
Ozone depleting substance	es	<u>(EU 2024/590)</u>
Not listed.		
Prior Informed Consent (P		(649/2012/FU)
Not listed.	10,	(045/2012/20)
พบเ แอเอน.		
Persistent Organic Polluta	Inte	5

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 : Not applicable. **assessment**

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SECTION 16: Other information

Indicates information that has changed from previously issued version.

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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

H221	Flammable gas.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
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.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

Full text of classifications [CLP/GHS]

		OXICITY - Ca						
		OXICITY - Ca						
		OXICITY - Ca						
			E) AQUATIC H					
			IIC) AQUATIC I					
			IIC) AQUATIC I	HAZARD - C	ategory 3			
Carc. 2	CARCINC	GENICITY -	Category 2					
Eye Dam. 1	SERIOUS	SEYE DAMA	GE/EYE IRRITA	TION - Cate	egory 1			
Eye Irrit. 2	SERIOUS	SEYE DAMA	GE/EYE IRRITA	TION - Cate	egory 2			
Flam. Gas 2	FLAMMA	BLE GASES	- Category 2					
Press. Gas (Comp.)	GASES U	INDER PRES	SURE - Compr	essed gas				
Skin Corr. 1	SKIN CO	RROSION/IR	RITATION - Ca	tegory 1				
Skin Corr. 1B	SKIN CO	RROSION/IR	RITATION - Ca	tegory 1B				
Skin Irrit. 2	SKIN CO	RROSION/IR	RITATION - Ca	tegory 2				
Skin Sens. 1	SKIN SEN	ISITISATION	- Category 1					
Skin Sens. 1A	SKIN SEN	SITISATION	- Category 1A					
STOT SE 3	SPECIFIC	C TARGET O	RGAN TOXICI	TY - SINGLE	EXPOSURE -	Category 3		
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revision								
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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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