SAFETY DATA SHEET



Date of issue/Date of revision

: 26 October 2023

Version : 1.01

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

1.1 Product identifier	
Product name	: AquaMax Extra All. Grana Media
Product code	: 1.550.0340/E2
Product description	:
Product type	: Liquid.
Other means of identification	: Not available.
1.2 Relevant identified use	es of the substance or mixture and uses advised against
Product use	: Industrial applications.
Use of the substance/ mixture	: Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.

1.3 Details of the supplier of the safety data sheet

PPG Industries Italia S.r.l., Via Comasina, 121, 20161 Milano, Italy Tel: +39 02 6404.1 PPG Industries (UK) Ltd., Needham Road, Stowmarket, Suffolk, IP14 2AD, UK Tel: +44 (0) 1449 773 338

e-mail address of person

: Product.Stewardship.EMEA@ppg.com

responsible for this SDS

1.4 Emergency telephone number

Supplier

Company emergency telephone number : +39 02 6404.1 (0800-1700)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture **Classification according to UK CLP/GHS** Not classified.

The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended. See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements		
Signal word	:	No signal word.
Hazard statements	:	No known significant effects or critical hazards.
Precautionary statements		
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	1	Dispose of contents and container in accordance with all local, regional, national and international regulations.
		P501
Supplemental label elements	-	Safety data sheet available on request.

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SECTION 2: Hazards identification

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requirem	<u>ents</u>
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.
2.3 Other hazards	
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	: None known.

SECTION 3: Composition/information on ingredients

Mixture

Product/ingredient name	Identifiers	%	Classification	Туре
2-butoxyethanol	REACH #: 01-2119475108-36 EC: 203-905-0 CAS: 111-76-2 Index: 603-014-00-0	≥5.0 - <10	Acute Tox. 4, H302 Acute Tox. 3, H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 See Section 16 for the full text of the H statements declared above.	[1] [2]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section. Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

3.2 Mixtures

Occupational exposure limits, if available, are listed in Section 8.

SUB codes represent substances without registered CAS Numbers.

SECTION 4: First aid measures

4.1 Description of first aid measures Eye contact : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice. Inhalation : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. **Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. Ingestion : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting. **Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

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SECTION 4: First	aid measures	
4.2 Most important symp	oms and effects, both acute and delayed	
Potential acute health eff	<u>ects</u>	
Eye contact	: No known significant effects or critical	hazards.
Inhalation	: No known significant effects or critical	hazards.
Skin contact	: No known significant effects or critical	hazards.
Ingestion	: No known significant effects or critical	hazards.
Over-exposure signs/sy	<u>mptoms</u>	
Eye contact	: No specific data.	
Inhalation	: No specific data.	
Skin contact	: No specific data.	
Ingestion	: No specific data.	
4.3 Indication of any imm	ediate medical attention and special treatm	ent needed
Notes to physician	 Treat symptomatically. Contact poison quantities have been ingested or inhale 	n treatment specialist immediately if large ed.
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 from the substance or mixture

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Hazards from the substance or mixture	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides 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.

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	te	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. 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).

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SECTION 6: Accidental release measures

6.3 Methods and material for containment and cleaning up

Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.		
Large spill	: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.		
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).	
	Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To av the risks of fires, all contaminated materials should be stored in purpose-built contain or in metal containers with tight-fitting, self-closing lids. Contaminated materials shou be removed from the workplace at the end of each working day and be stored outside	ers Id
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 between the following temperatures: 5 to 35°C (41 to 95°F). 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)

See Section 1.2 for Identified uses.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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).

Occupational exposure limits

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SECTION 8: Exposure controls/personal protection

Product/ingredient name	Exposure limit values		
2-butoxyethanol	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed		
	through skin.		
	STEL: 50 ppm 15 minutes.		
	TWA: 25 ppm 8 hours.		
	STEL: 246 mg/m ³ 15 minutes.		
	TWA: 123 mg/m³ 8 hours.		

Biological exposure indices

Product/ingredient name	Exposure indices		
2-butoxyethanol	2-BUTOXY ETHANOL		
procedures national guidance	Id be made to appropriate monitoring standards. Reference to e documents for methods for the determination of hazardous also be required.		

DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
2-butoxyethanol	DNEL DNEL DNEL DNEL DNEL DNEL DNEL	Long term Oral Short term Oral Long term Inhalation Long term Inhalation Short term Inhalation Short term Inhalation Short term Inhalation Short term Inhalation	6.3 mg/kg bw/day 26.7 mg/kg bw/day 59 mg/m ³ 98 mg/m ³ 147 mg/m ³ 246 mg/m ³ 426 mg/m ³ 1091 mg/m ³	General population Workers General population	Systemic Systemic Systemic Local Local

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
2-butoxyethanol	Marine water Fresh water sediment Marine water sediment	8.8 mg/l 0.88 mg/l 34.6 mg/kg 3.46 mg/kg 3.13 mg/kg 463 mg/l	Assessment Factors Assessment Factors Equilibrium Partitioning Equilibrium Partitioning Equilibrium Partitioning Assessment Factors

8.2 Exposure controls

Appropriate engineering	: Good general ventilation should be sufficient to control worker exposure to airborne
controls	contaminants.

Individual protection measures

Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face 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.
Gloves	: For prolonged or repeated handling, use the following type of gloves:
	Recommended: butyl rubber
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.

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SECTION 8: Exposure controls/personal protection

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	: Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Wear a respirator conforming to EN140. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Mask type: full-face mask half-face mask Filter type: organic vapour filter (Type A) particulate filter P3 Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
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

A	<u>Appearance</u>					
Physical state : Liquid.			Liquid.			
	Colour	:	Colourle	ess.		
C	Ddour	:	Faint od	lour.		
C	Odour threshold	:	Not ava	ilable.		
N	Melting point/freezing point : May start to solidify at the following temperature: 0°C (32°F) This is based or for the following ingredient: water. Weighted average: -9.02°C (15.8°F)					
	Initial boiling point and : >37.78°C (>100°F) boiling range					
F	Flammability (solid, gas) : liquid					
Upper/lower flammability or : Not ap explosive limits		Not app	licable.			
Flash point : Close		Closed	cup: 100°C (212°F) [Product does not	sustain combustion.]	
Auto-ignition temperature		1				
	Ingredient name			°C	°F	Method
	<mark>₽</mark> -butoxyethanol			230	446	DIN 51794

Decomposition temperature						
рН	: Not	available.				
Viscosity	: Kine	ematic (40	°C): >21 mm²/s			
Solubility(ies)	:					
Media	R	esult				
cold water	Pa	artially solu	ıble			
Miscible with water	: Yes	j.				
Partition coefficient: n-octai water	nol/ : Not	applicable).			
Vapour pressure	:					
	Va	apour Pre	ssure 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 : 1.02

Vapour density

: Highest known value: 4.1 (Air = 1) (2-butoxyethanol).

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SECTION 9: Physical and chemical properties

Explosive properties	: Not available.
Oxidising properties	: Product does not present an oxidizing hazard.
Particle characteristics	
Median particle size	: Not applicable.

SECTION 10: Stability and reactivity					
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.				
10.2 Chemical stability	: The product is stable.				
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.				
10.4 Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products Refer to protective measures listed in sections 7 and 8.				
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.				
10.6 Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: carbon oxides metal oxide/oxides				

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
	LC50 Inhalation Vapour	Rat	3 mg/l	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	1200 mg/kg	-

Conclusion/Summary : There are no data available on the mixture itself.

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)
AquaMax Extra All. Grana Media	12626.6	N/A	314140.4	30.7	N/A
2-butoxyethanol	1200	N/A	N/A	3	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation	
2-butoxyethanol	Eyes - Irritant Skin - Moderate irritant	Rabbit Rabbit	-	24 hours 4 hours	21 days 28 days	
Conclusion/Summary Skin	 Not available. There are no data available on the mixture itself. 					
Eyes Respiratory <u>Sensitisation</u>	There are no data available on the mixture itself.There are no data available on the mixture itself.					
Conclusion/Summary Skin Respiratory	: There are no data available of : There are no data available of					

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Other information : Not available			
	Other information	: Not available.	

English (GB)

Code	: 1.550.0340/E2	Date of issue/Date of revision	: 26 October 2023
AquaMax Ex	ktra All. Grana Media		

SECTION 12: Ecological information

12.1 Toxicity

Result	Species	Exposure
Acute LC50 1474 mg/l Chronic NOEC >100 mg/l	Fish Fish	96 hours 21 days
	Acute LC50 1474 mg/l	Acute LC50 1474 mg/l Fish

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary	: Not available.		
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
2-butoxyethanol	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2-butoxyethanol	0.81	-	Low

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

: No known significant effects or critical hazards. **12.6 Other adverse effects**

SECTION 13: Disposal considerations

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).

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.
Hazardous waste	: Yes.
Waste catalogue	
Waste code	Waste designation

	• • • • • • • • • • • • • • • • • • •
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. W

ssible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Type of packaging	Waste catalogue		
Container	15 01 02	plastic packaging	

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English	(GB)

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SECTION 13: Disposal considerations

Special precautions

: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number	Not regulated.	9003	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	SUBSTANCES WITH A FLASH-POINT ABOVE 60 °C AND NOT MORE THAN 100 °C (2-butoxyethanol, Aluminium powder (stabilized))	-	-
		(2-butoxyethanol, Aluminium powder (stabilized))		
14.3 Transport hazard class(es)	-	9	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.	Not applicable.
ADR/RID :	None identified.		-	
ADN : IMDG :	The product is only regu None identified.	lated as a dangerous good	I when transported in tar	nk vessels.

IATA : None identified.

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

14.7 Transport in bulk	: Not available.
according to IMO	
instruments	

SECTION 15: Regulatory information

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

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

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SECTION 15: Regulatory information

Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Seveso Directive

This product is not controlled under the Seveso Directive.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

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

Procedure used to derive the classification

Not classified.

Full text of abbreviated H statements

Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
Toxic if inhaled.

Full text of classifications

Cute Tox. 3	ACUTE TOXICITY - Category 3
Acute Tox. 4	ACUTE TOXICITY - Category 4
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2

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<u>HISTOLY</u>	
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Date of previous issue	: 7 November 2022
Prepared by	: EHS
Version	: 1.01

Disclaimer

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