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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

SAFETY DATA SHEET

WEATHERSHIELD QUICK DRY EXTERIOR HIGH GLOSS PURE BRILLIANT WHITE

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

1.1 Product identifier			
GHS product identifier	: VEATHERSHIELD QUICK DRY EXTERIOR HIGH GLOSS PURE BRILLIANT WHITE		
1.2. Relevant identified use	es of the substance or mixture and uses advised against		
Product use	: Vaterborne coating for exterior use.		
1.3. Details of the supplier	of the safety data sheet		
	ICI Paints AkzoNobel, Wexham Road, Slough, Berkshire, SL2 5DS, U.K. Tel.: +44 (0) 333 222 70 70 www.duluxtrade.co.uk		
e-mail address of person responsible for this SDS	: duluxtrade.advice@akzonobel.com		
1.4 Emergency telephone r	number		
National advisory body/Po			
Telephone number	: +44 (0)344 892 0111		
Supplier			
Telephone number	: Emergency Telephone : Slough +44 (0) 1753 550000		
Version Date of previous issue	: 5.01 : 31-1-2023		
SECTION 2: Hazards identification			
2.1 Classification of the su	bstance or mixture		
Product definition	: Mixture		

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

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	
Signal word	: No signal word.
Hazard statements	: H412 - Harmful to aquatic life with long lasting effects.

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VEATHERSHIELD QUICK DRY EXTERIOR HIGH GLOSS PURE BRILLIANT WHITE

SECTION 2: Hazards identification

Precautionary statements

<u>I reculational y statements</u>		
General	:	P102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand.
Prevention	:	P273 - Avoid release to the environment.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	P501 - Dispose of contents and container in accordance with all local, regional, national or international regulations.
Supplemental label elements	:	Contains 3-iodo-2-propynyl butylcarbamate, 1,2-benzisothiazol-3(2H)-one, C(M)IT/ MIT(3:1) and 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	
Special packaging requirem	ent	<u>ts</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

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
Titanium dioxide	REACH #: 01-2119489379-17 EC: 236-675-5 CAS: 13463-67-7	≥20 - ≤25	Carc. 2, H351 (inhalation)	-	[1] [*]
3-butoxypropan-2-ol	REACH #: 01-2119475527-28 EC: 225-878-4 CAS: 5131-66-8 Index: 603-052-00-8	≤3	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-	[1]
IPBC	EC: 259-627-5 CAS: 55406-53-6 Index: 616-212-00-7	<1	Acute Tox. 4, H302 Acute Tox. 3, H331 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 1, H372 Aquatic Acute 1, H400	ATE [Oral] = 500 mg/kg ATE [Inhalation (gases)] = 700 ppm M [Acute] = 10 M [Chronic] = 1	[1]

WEATHERSHIELD QUICK DRY EXTERIOR HIGH GLOSS PURE BRILLIANT WHITE

SECTION 3: Composition/information on ingredients

			Aquatic Chronic 1, H410		
action Mass of nylbenzene and M- lene and P-Xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	≤0.3	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Dermal] = 1100 mg/kg ATE [Inhalation (gases)] = 6670 ppm	[1] [2]
2-butoxyethoxy)ethanol	REACH #: 01-2119475104-44 EC: 203-961-6 CAS: 112-34-5 Index: 603-096-00-8	≤0.3	Eye Irrit. 2, H319	-	[1] [2]
opylidynetrimethanol	REACH #: 01-2119486799-10 EC: 201-074-9 CAS: 77-99-6	≤0.3	Repr. 2, H361	-	[1]
lecan-1-ol	REACH #: 01-2120117440-72 EC: 203-998-8 CAS: 112-70-9	<0.1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 10	[1]
2-Benzisothiazol-3(2h)- e	EC: 220-120-9 CAS: 2634-33-5 Index: 613-088-00-6	<0.05	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400	ATE [Oral] = 500 mg/kg Skin Sens. 1, H317: C ≥ 0.05% M [Acute] = 1	[1]
M)IT/MIT(3:1)	REACH #: 01-2120764691-48 CAS: 55965-84-9 Index: 613-167-00-5	<0.001	Acute Tox. 3, H301 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 EUH071	ATE [Oral] = 100 mg/kg ATE [Dermal] = 50 mg/kg ATE [Inhalation (dusts and mists)] = 0.05 mg/l Skin Corr. 1C, H314: C $\geq 0.6\%$ Skin Irrit. 2, H315: $0.06\% \leq C < 0.6\%$ Eye Dam. 1, H318: C $\geq 0.6\%$ Eye Irrit. 2, H319: $0.06\% \leq C < 0.6\%$ Skin Sens. 1, H317: C $\geq 0.0015\%$ M [Acute] = 100 M [Chronic] = 100	[1]
Т	EC: 247-761-7 CAS: 26530-20-1 Index: 613-112-00-5	<0.001	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1, H314	ATE [Oral] = 100 mg/kg ATE [Dermal] = 300 mg/kg	[1]
e of issue/Date of revision	: 6-6-2023 Date	e of previous is		300 mg/kg Version	: 5.0

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SECTION 3: Composition/information on ingredients

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	Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410ATE [Inhalation (dusts and mists)] $= 0.05 \text{ mg/l}$ Skin Sens. 1, H317: $C \ge 0.0015\%$ M [Acute] $= 100$ M [Chronic] $= 100$	
	See Section 16 for the full text of the H 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.

<u>Type</u>

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. Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	 Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains 3-iodo-2-propynyl butylcarbamate, 1,2-benzisothiazol-3(2H)-one, C(M)IT/MIT(3:1), 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

Over-exposure signs/symptoms

Eye contact	: No specific data.
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 for fire-fighters 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 fire-fighters 	WEATHERSHIELD QUICK	DRY EXTERIOR HIGH GLOSS PURE BRILLIANT WHITE
Skin contact : No specific data. 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 : Use an extinguishing agent suitable for the surrounding fire. Suitable extinguishing media : None known. 5.2 Special hazards arising 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 dioxide metal oxide/oxides 5.3 Advice for firefighters : Promptly isolate the scene by removing all persons from the vicinity of the incider there is a fire. No action shall be taken involving any personal risk or without suitable training. Special protective actions for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breating apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and glove	SECTION 4: First aid	measures
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onormou mouono.	• •	breathing apparatus (SCBA) with a full face-piece operated in positive pressure
SECTION 6: Accidental release measures	SECTION 6: Acciden	tal release measures

erri ereenar procaatione, pro		care 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 spilled material. Put on appropriate personal protective equipment.
For emergency responders	:	If specialized 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 spilled 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 materials for containment and cleaning up

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SECTION 6: Accidental release measures

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. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
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.

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor 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 8.2 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 unlabeled 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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SECTION 8: Exposure controls/personal protection

Product/ingredient name	Exposure limit values		
Reaction Mass of Ethylbenzene and M-Xylene and P-Xylene 2-(2-butoxyethoxy)ethanol	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin. STEL: 441 mg/m ³ 15 minutes. TWA: 50 ppm 8 hours. TWA: 220 mg/m ³ 8 hours. STEL: 100 ppm 15 minutes. EH40/2005 WELs (United Kingdom (UK), 1/2020). TWA: 10 ppm 8 hours. TWA: 67.5 mg/m ³ 8 hours. STEL: 15 ppm 15 minutes. STEL: 15 ppm 15 minutes.		
procedures atmosphere or of the ventilation	contains ingredients with exposure limits, personal, workplace biological monitoring may be required to determine the effectivenes on or other control measures and/or the necessity to use respiratory		

atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
<mark>3</mark> -butoxypropan-2-ol	DNEL	Long term Oral	12.5 mg/	General	Systemic
		-	kg bw/day	population	
	DNEL	Long term Dermal	22 mg/kg	General	Systemic
		Ū	bw/day	population	
	DNEL	Long term	43 mg/m ³	General	Systemic
		Inhalation	U U	population	
	DNEL	Long term Dermal	52 mg/kg bw/day	Workers	Systemic
	DNEL	Long term	147 mg/m ³	Workers	Systemic
	DINLL	Inhalation	147 mg/m	Workers	Oysterine
	DNEL	Short term Dermal	50 %	General	Local
	DITLL		00 /0	population	Local
	DNEL	Long term Dermal	50 %	General	Local
	DITLL	Long toni Donia	00 /0	population	Local
	DNEL	Short term Dermal	50 %	Workers	Local
	DNEL	Long term Dermal	50 %	Workers	Local
IPBC	DNEL	Long term	0.023 mg/	Workers	Systemic
-		Inhalation	m ³		,
	DNEL	Short term	0.07 mg/m ³	Workers	Systemic
		Inhalation	- J.		,
	DNEL	Short term	1.16 mg/m ³	Workers	Local
		Inhalation	5		
	DNEL	Long term	1.16 mg/m ³	Workers	Local
		Inhalation	Ũ		
	DNEL	Long term Dermal	2 mg/kg	Workers	Systemic
			bw/day		-
Reaction Mass of Ethylbenzene and	DNEL	Long term Oral	1.6 mg/kg	General	Systemic
M-Xylene and P-Xylene			bw/day	population	
- •	DNEL	Long term	14.8 mg/m ³	General	Systemic
		Inhalation	-	population	-

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SECTION 8: Exposure controls/personal protection

	DNEL	Long term Inhalation	77 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	108 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	180 mg/kg bw/day	Workers	Systemic
	DNEL	Short term	289 mg/m ³	Workers	Local
	DNEL	Inhalation Short term	289 mg/m ³	Workers	Systemic
2-(2-butoxyethoxy)ethanol	DNEL	Inhalation Long term Oral	6.25 mg/	General	Systemic
	DNEL	Long term Inhalation	kg bw/day 67.5 mg/m³	population Workers	Local
	DNEL	Short term Inhalation	101.2 mg/ m³	Workers	Local
propylidynetrimethanol	DNEL	Long term Oral	0.34 mg/	General	Systemic
	DNEL	Long term Dermal	kg bw/day 0.34 mg/ kg bw/day	population General population	Systemic
	DNEL	Long term Inhalation	0.58 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	0.94 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	3.3 mg/m ³	Workers	Systemic
tridecan-1-ol	DNEL	Long term Oral	5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	8.7 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	14 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	49.3 mg/m ³	Workers	Systemic
1,2-Benzisothiazol-3(2h)-one	DNEL	Long term Dermal	0.345 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal			Systemic
	DNEL	Long term Inhalation	1.2 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	6.81 mg/m³		Systemic
C(M)IT/MIT(3:1)	DNEL	Long term Inhalation	0.02 mg/m ³	General population	Local
	DNEL	Long term Inhalation	0.02 mg/m ³		Local
	DNEL	Short term Inhalation	0.04 mg/m ³	General population	Local
	DNEL	Short term Inhalation	0.04 mg/m ³		Local
	DNEL	Long term Oral	0.09 mg/ kg bw/day	General population	Systemic
	DNEL	Short term Oral	0.11 mg/ kg bw/day	General population	Systemic

PNECs

WEATHERSHIELD QUICK DRY EXTERIOR HIGH GLOSS PURE BRILLIANT WHITE						
SECTION 8: Exposure controls/personal protection						
Product/ingredie	nt n	ame	Compartment Detail	Value	Method Detail	
₩decan-1-ol			Fresh water Marine water Sewage Treatment Plant Fresh water sediment Marine water sediment Soil	0.12 µg/l 12 ng/l 58.6 mg/l 0.42 mg/kg dwt 42 µg/kg dwt 84 µg/kg dwt	Assessment Factors Assessment Factors Assessment Factors Equilibrium Partitioning Equilibrium Partitioning Equilibrium Partitioning	
8.2 Exposure controls						
Appropriate engineering controls	:	Good genera contaminants	l ventilation should be suf	ficient to control wo	rker exposure to airborne	
Individual protection meas	ures	<u>i</u>				
Hygiene measures	:	before eating Appropriate to Wash contan	forearms and face thorou , smoking and using the la echniques should be used ninated clothing before rea rs are close to the worksta	avatory and at the e I to remove potentia using. Ensure that e	nd of the working period. Illy contaminated clothing.	
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.				
		When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time >480 minutes according to EN374) is recommended. Recommended gloves: Viton ® or Nitrile, thickness \geq 0.38 mm. When only brief contact is expected, a glove with protection class of 2 or higher (breakthrough time >30 minutes according to EN374) is recommended. Recommended gloves: Nitrile, thickness \geq 0.12 mm. Gloves should be replaced regularly and if there is any sign of damage to the glove material.				
		chemical dan The user mus product is the	nce or effectiveness of th nage and poor maintenan- st check that the final choi most appropriate and tak led in the user's risk asse	ce. ice of type of glove s kes into account the	selected for handling this	
Body protection	:	being perform	ective equipment for the t ned and the risks involved ng this product.			
Other skin protection	:	Appropriate for selected base	botwear and any additiona ad on the task being perfo a specialist before handlin	rmed and the risks		

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SECTION 8: Exposure controls/personal protection

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.
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

<u>Appearance</u>	
Physical state	: Liquid.
Color	: Various: See label.
Odor	: Not available.
Odor threshold	: Not available.
Melting point/freezing point	: Not available.
Boiling point, initial boiling point, and boiling range	: 100°C (212°F)
Flammability	: Not available.
Lower and upper explosion limit	: Not available.
Flash point	: Not available.

Flash point Auto-ignition temperature

2

Ingredient name	°C	°F	Method
[24] (2-methoxy-4-nitrophenyl)azo]-N- (2-methoxyphenyl)-3-oxobutyramide	180	356	VDI 2263
2-(2-butoxyethoxy)ethanol	210	410	DIN 51794
tributylamine	210	410	EU A.15
pyridine-2-thiol 1-oxide, sodium salt	240 to 250	464 to 482	EU A.16
3-butoxypropan-2-ol	260	500	EU A.15
cyclohexane	260	500	
Decanedioic acid, 1,10-bis(2,2,6,6-tetramethyl- 4-piperidinyl) ester, reaction products with tert-Bu hydroperoxide and octane	280	536	
5,12-dihydro-2,9-dimethylquino[2,3-b]acridine- 7,14-dione	280	536	VDI 2263
1,1',1"-nitrilotripropan-2-ol	285	545	DIN 51794
2,2'-(ethylenedioxy)diethanol	347	656.6	
29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	356	672.8	EU A.16
dodecamethylcyclohexasiloxane	368 to 371	694.4 to 699.8	
glycerol	370	698	
propane-1,2-diol	371	699.8	
decamethylcyclopentasiloxane	372	701.6	ASTM E 659-78
polychloro copper phthalocyanine	378	712.4	EU A.16

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SECTION 9: Physical and chemical properties

	historia de la compañía de la		
2,4,7,9-tetramethyldec-5-yne-4,7-diol	380	716	
Cellulose,2-hydroxyethylether	380	716	
octamethylcyclotetrasiloxane	384 to 387	723.2 to 728.6	ASTM E 659
Reaction Mass of Ethylbenzene and M-Xylene and P-Xylene	432	809.6	
sodium 1,4-diisotridecyl sulphonatosuccinate	>400	>752	
Pyrrolo[3,4-c]pyrrole-1,4-dione, 3,6-bis (4-chlorophenyl)-2,5-dihydro-	>400	>752	
ammonium chloride	>400	>752	EU A.16
ethanol	455	851	DIN 51794
p-toluenesulphonic acid, containing a maximum of 5 % H2SO4	>465	>869	EU A.15
m-xylene	527	980.6	

: Not available. Decomposition temperature

: 8 [Conc. (% w/w): 100%] [DIN EN 1262]

: Kinematic: 1083 mm²/s [DIN EN ISO 3219] Viscosity

S	olubility(ies) :	
	Media	Result
	¢old water	Soluble [OESO (TG 105)]

Partition coefficient: n-octanol/ : Not applicable. water

1

Vapor pressure

pН

	V	apor Press	ure at 20°C	v	apor pres/	r pressure at 50°C	
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method	
ammonia	360.03	48					
cyclohexane	93.01	12.4					
ethanol	42.95	5.7					
Water	23.8	3.2					
Reaction Mass of Ethylbenzene and M-Xylene and P-Xylene	6.7	0.89					
m-xylene	6	0.8					
3-butoxypropan-2-ol	1.05	0.14	OECD 104				
octamethylcyclotetrasiloxane	0.99	0.13					
Polyether modified siloxane	0.75	0.1					
decamethylcyclopentasiloxane	0.25	0.033					
propane-1,2-diol	0.15	0.02	EU A.4				
tributylamine	0.14	0.019	OECD 104				
Distillates (petroleum), solvent- dewaxed heavy paraffinic	<0.08	<0.011	ASTM D 5191				
Distillates (petroleum), solvent- refined heavy paraffinic	<0.08	<0.011	ASTM D 5191				
2-(2-butoxyethoxy)ethanol	0.022	0.0029					
glycerol	0.000075	0.00001		0	0		
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SECTION 9: Physical and chemical properties

		initial pr				
sodium 1,4-diisotridecyl sulphonatosuccinate	0.000036	0.0000048				
pyridine-2-thiol 1-oxide, sodium salt	0.0000034	0.000000045	EU A.4			
Polyethylene glycol 20	0.0000003	0.00000004				
pyrithione zinc	<0.00000008	<0.000000011	OECD 104			
2,2'-(ethylenedioxy)diethanol	0	0				
polychloro copper phthalocyanine	0	0				
2-[(2-methoxy-4-nitrophenyl)azo]- N-(2-methoxyphenyl) -3-oxobutyramide	0	0				
propylidynetrimethanol	0	0				
2,4,7,9-tetramethyldec-5-yne- 4,7-diol	0	0				
29H,31H-phthalocyaninato(2-)- N29,N30,N31,N32 copper	0	0	EU A.4			
bronopol (INN)	0	0		0	0	
Volatile, harmless liquid, n.o.s.	0	0				
C(M)IT/MIT(3:1)	0	0				
maleic acid	0	0	OECD 104			
Relative density	: 1.294		•		•	
Density	: 1.293	g/cm³ [DIN	EN ISO 2811-1]			
Vapor density	: Not a	vailable.				
–						

vapor density
Particle characteristics
Median particle size
Percentage of particles with
aerodynamic diameter ≤ 10
μm

: Not applicable.

: 0

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	: No specific data.
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.

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SECTION 11: Toxicological information

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

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
3-butoxypropan-2-ol	LD50 Dermal	Rabbit	3100 mg/kg	-
	LD50 Oral	Rat	2700 mg/kg	-
IPBC	LD50 Oral	Rat	1470 mg/kg	-
Reaction Mass of	LC50 Inhalation Gas.	Rat	6670 ppm	4 hours
Ethylbenzene and M-Xylene				
and P-Xylene				
-	LD50 Oral	Rat	4300 mg/kg	-
	LD50 Oral	Rat	4300 mg/kg	-
propylidynetrimethanol	LD50 Oral	Mouse	13700 mg/kg	-
	LD50 Oral	Mouse	14000 mg/kg	-
	LD50 Oral	Rat	14100 mg/kg	-
	LD50 Oral	Rat	14000 mg/kg	-
tridecan-1-ol	LD50 Dermal	Rabbit	5600 mg/kg	-
	LD50 Oral	Rat	17200 mg/kg	-

Conclusion/Summary

: Not available.

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
272108	N/A	N/A	181829.9	779.3	N/A
3-butoxypropan-2-ol	2700	3100	N/A	N/A	N/A
IPBC	500	N/A	700	3	N/A
Reaction Mass of Ethylbenzene and M-Xylene and P-Xylene	4300	1100	6670	N/A	N/A
tridecan-1-ol	17200	5600	N/A	N/A	N/A
1,2-Benzisothiazol-3(2h)-one	500	N/A	N/A	N/A	N/A
C(M)IT/MIT(3:1)	100	50	N/A	N/A	0.05
OIT	100	300	N/A	N/A	0.05

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium dioxide	Skin - Mild irritant	Human	-	72 hours 300	-
				ug l	
Reaction Mass of Ethylbenzene and M-Xylene and P-Xylene	Eyes - Mild irritant	Rabbit	-	87 mg	-
-	Eyes - Severe irritant	Rabbit	-	24 hours 5	-
				mg	
	Skin - Mild irritant	Rat	-	8 hours 60 UI	-
	Skin - Moderate irritant	Rabbit	-	100 %	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				mg	
2-(2-butoxyethoxy)ethanol	Eyes - Moderate irritant	Rabbit	-	24 hours 20 mg	-
	Eyes - Severe irritant	Rabbit	-	20 mg	-
tridecan-1-ol	Skin - Mild irritant	Rabbit	-	410 mg	-
1,2-Benzisothiazol-3(2h)-one	Skin - Mild irritant	Human	-	48 hours 5 %	-
C(M)IT/MIT(3:1)	Skin - Severe irritant	Human	-	0.01 %	-
OIT	Eyes - Severe irritant	Rabbit	-	100 mg	-
Conclusion/Summary	: Not available.	·	•		•
<u>Sensitization</u>					

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SECTION 11: Toxicological information

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Product/ingredient name	Result	Species	Dose	Exposure
Reaction Mass of Ethylbenzene and M-Xylene and P-Xylene	Positive - Inhalation - TC	Mouse	<75 ppm	103 weeks; 5 days per week

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Reaction Mass of Ethylbenzene and M-Xylene and P- Xylene	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
IPBC Reaction Mass of Ethylbenzene and M-Xylene and P- Xylene	Category 1 Category 2	-	-

Aspiration hazard

Product/ingredient name	Result
Reaction Mass of Ethylbenzene and M-Xylene and P-Xylene	ASPIRATION HAZARD - Category 1

Information on the likely : Not available.

routes of exposure

Potential acute health effects

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.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

<u>Short term exposure</u>						
Potential immediate effects	: Not availab	le.				
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SECTION 11: Toxicological information

Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health eff	ects
Not available.	
Conclusion/Summary	: Not available.
General	: No known significant effects or critical hazards.
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 hazards

11.2.1 Endocrine disrupting properties

Not available. 11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

There are no data available on the mixture itself. Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

Product/ingredient name	Result	Species	Exposure
₽BC	Acute EC50 0.186 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Chronic NOEC 8.4 ppb	Fish - Pimephales promelas	35 days
Reaction Mass of Ethylbenzene and M-Xylene and P-Xylene	Acute LC50 8.5 ppm Marine water	Crustaceans - Palaemonetes pugio - Adult	48 hours
,	Acute LC50 8500 μg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 15700 μg/l Fresh water	Fish - Lepomis macrochirus - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours
propylidynetrimethanol	Acute EC50 13000000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 14400000 µg/l Marine water	Fish - Cyprinodon variegatus	96 hours
tridecan-1-ol	Acute LC50 2.2 mg/l Marine water	Crustaceans - Americamysis bahia	48 hours
1,2-Benzisothiazol-3(2h)-one	Acute EC50 1.5 mg/l	Daphnia - Daphnia magna	48 hours
	Acute EC50 0.4 mg/l	Daphnia - Pseudomonas putia	16 hours
	Acute IC50 0.067 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute LC50 1.3 mg/l	Fish - Ochorhyncus mykiss	96 hours
OIT	Acute EC10 0.000224 mg/l	Algae - Navicula peliculosa	48 hours
	Acute EC50 0.084 mg/l	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 0.00129 mg/l	Algae - Navicula peliculosa	48 hours
	Acute EC50 0.42 mg/l	Daphnia	48 hours
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SECTION 12: Ecological information

Acute EC50 107 ppb Fresh water	Daphnia - Daphnia magna	48 hours
Acute LC50 47 ppb Fresh water	Fish - Oncorhynchus mykiss	96 hours
Chronic NOEC 74 ppb Fresh water	Daphnia - Daphnia magna	21 days
Chronic NOEC 8.5 ppb	Fish - Pimephales promelas	35 days

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
PBC Reaction Mass of Ethylbenzene and M-Xylene and P-Xylene	-	-	Readily Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
3-butoxypropan-2-ol	1.2	-	low
IPBC	2.81	-	low
Reaction Mass of	3.12	8.1 to 25.9	low
Ethylbenzene and M-Xylene and P-Xylene			
2-(2-butoxyethoxy)ethanol	1	-	low
propylidynetrimethanol	-0.47	<1	low
OIT	2.45	-	low

12.4 Mobility in soil

Soil/water partition coefficient (K _{oc})	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The 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

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SECTION 13: Disposal considerations

Methods of disposal	: The generation of waste should be avoided or minimized 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	: The classification of the product may meet the criteria for a hazardous waste.
Disposal considerations	 Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

	Waste code	Waste designation
	EWC 08 01 12	waste paint and varnish other than those mentioned in 08 01 11
<u>P</u>	<u>ackaging</u>	
	Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
	Disposal considerations	 Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.
S	pecial 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG
14.1 UN number	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.
Additional informa	tion : Emergency schedules Not applica	ble.

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are user

upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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SECTION 14: Transport information

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 authorization

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

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

dangerous substances, mixtures and articles

Other EU regulations

- VOC : The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.
 VOC for Ready-for-Use Mixture
- Industrial emissions: Not listed(integrated pollution-prevention and control) --Air-Industrial emissions: Not listed(integrated pollution-prevention and control) --

Water

Ozone depleting substances (1005/2009/EU)

Not listed.

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

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

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SECTION 15: Regulatory information

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	: No Chemical Safety Assessment has been	carried o

Assessment

out.

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
	vPvB = Very Persistent and Very Bioaccumulative

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

Classification	Justification
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

Date of issue/Date of revision	: 6-6-2023 Date of previous issue : 31-1-2023 Version : 5.01 19/21
H400	Very toxic to aquatic life.
	exposure.
H373	May cause damage to organs through prolonged or repeated
N312	Causes damage to organs through prolonged or repeated exposure.
H372	Suspected of damaging fertility or the unborn child.
H361	May cause drowsiness or dizziness.
H336	May cause respiratory irritation.
H332 H335	Harmful if inhaled.
H331	Toxic if inhaled.
H330	Fatal if inhaled.
H319	Causes serious eye irritation.
H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.
H315	Causes skin irritation.
H314	Causes severe skin burns and eye damage.
H312	Harmful in contact with skin.
H311	Toxic in contact with skin.
H310	Fatal in contact with skin.
H304	May be fatal if swallowed and enters airways.
H302	Harmful if swallowed.
H301	Toxic if swallowed.
H290	May be corrosive to metals.
H226	Flammable liquid and vapor.
H225	Highly flammable liquid and vapor.

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SECTION 16: Other information				
H410 H412 EUH071		Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. Corrosive to the respiratory tract.		
Full text of classifications [CLP/GHS]				
Acute Tox. 2 Acute Tox. 3 Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 3 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Met. Corr. 1 Repr. 2 Skin Corr. 1A Skin Corr. 1A Skin Corr. 1B Skin Corr. 1C Skin Irrit. 2 Skin Sens. 1 Skin Sens. 1 SKin Sens. 1A STOT RE 1 STOT RE 2 STOT SE 3		ACUTE TOXICITY - Category 2 ACUTE TOXICITY - Category 3 ACUTE TOXICITY - Category 4 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 3 ASPIRATION HAZARD - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 CORROSIVE TO METALS - Category 1 TOXIC TO REPRODUCTION - Category 1 SKIN CORROSION/IRRITATION - Category 1 SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3		
Date of printing	: 17-6-2023 : 6-6-2023			
Date of issue/ Date of revision	: 6-6-2023			
Date of previous issue	: 31-1-2023			
Version	: 5.01			

Notice to reader

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Safety Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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