

## **SAFETY DATA SHEET**

A1500-M GLOSS BASE KOLAHA ROYAL BLUE 268/5240

## **Section 1. Identification**

GHS product identifier SDS code

: A1500-M GLOSS BASE KOLAHA ROYAL BLUE 268/5240 : 13925240B

## Recommended use of the chemical and restrictions on use

Identified uses			
Paint. Professional use Industrial use			
	Restrictions on use		
All other uses			
Product use	: Solvent borne coating for exterior use.		
Supplier's details			
MAPAERO SA 10, Avenue de 09103 PAMIEF France	la Rijole CS30098		
e-mail address	: PSRA_PAMIERS@akzonobel.com		

Emergency telephone	: +33 (0)5 34 01 34 01
number	+33 (0)5 61 60 23 30

## Section 2. Hazard identification

Classification of the substance or mixture	: FLAMMABLE LIQUIDS - Category 3 SKIN CORROSION/IRRITATION - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
	AQUATIC HAZARD (ACUTE) - Category 3 AQUATIC HAZARD (LONG-TERM) - Category 3

GHS label elements

Hazard pictograms



Signal word	: Warning
Hazard statements	: Flammable liquid and vapor.
	Causes mild skin irritation.
	Mav cause drowsiness or dizziness.

Harmful to aquatic life with long lasting effects.

#### **Precautionary statements**



## Section 2. Hazard identification

Prevention	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. Avoid breathing vapor.
Response	:	IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
Storage	:	IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Other hazards which do not	:	None known.

result in classification

## Section 3. Composition/information on ingredients

#### Substance/mixture

: Mixture

Ingredient name	%	CAS number
2-ethoxy-1-methylethyl acetate	≥10 - ≤25	54839-24-6
n-butyl acetate	≥10 - ≤25	123-86-4
2-methoxy-1-methylethyl acetate	≤5	108-65-6
xylene	≤3	1330-20-7
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	<1	41556-26-7
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	≤0.3	82919-37-7

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 and hence require reporting in this section.

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

## Section 4. First aid measures

#### Description of necessary first aid measures

Eye contact	: Immediately flush eyes with plenty of we eyelids. Check for and remove any co- minutes. If irritation persists, get medi	ntact lenses. Continue to rins cal attention.	se for at least 10
Inhalation	: Remove victim to fresh air and keep a If it is suspected that fumes are still pro- mask or self-contained breathing appa or if respiratory arrest occurs, provide personnel. It may be dangerous to the resuscitation. Get medical attention. If unconscious, place in recovery posit Maintain an open airway. Loosen tight waistband. In case of inhalation of dec be delayed. The exposed person may for 48 hours.	esent, the rescuer should weat ratus. If not breathing, if breat artificial respiration or oxygen e person providing aid to give if necessary, call a poison cer- tion and get medical attention t clothing such as a collar, tie, composition products in a fire,	ar an appropriate athing is irregular by trained mouth-to-mouth nter or physician. immediately. belt or , symptoms may
Skin contact	: Flush contaminated skin with plenty of shoes. Continue to rinse for at least 1 health effects persist or are severe. We thoroughly before reuse.	0 minutes. Get medical atten	tion if adverse
Ingestion	: Wash out mouth with water. Remove and keep at rest in a position comforta swallowed and the exposed person is drink. Stop if the exposed person feels induce vomiting unless directed to do s the head should be kept low so that vo attention. If necessary, call a poison c mouth to an unconscious person. If un medical attention immediately. Mainta as a collar, tie, belt or waistband.	ble for breathing. If material l conscious, give small quantiti s sick as vomiting may be dar so by medical personnel. If vo mit does not enter the lungs. enter or physician. Never give nconscious, place in recovery	has been es of water to ngerous. Do not omiting occurs, Get medical e anything by position and get
Date of issue/Date of revision	: 1-10-2022	Version : 1	
Date of previous issue	: No previous validation	2/12	AkzoNobel

## Section 4. First aid measures

## Most important symptoms/effects, acute and delayed

Most important symptoms/e	<u>cts, acute and delayed</u>	
Potential acute health effect		
Eye contact	No known significant effects or critical hazards.	
Inhalation	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.	
Skin contact	Causes mild skin irritation.	
Ingestion	Can cause central nervous system (CNS) depression.	
<u>Over-exposure signs/symp</u>	<u>ns</u>	
Eye contact	Adverse symptoms may include the following: pain or irritation watering redness	
Inhalation	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness	
Skin contact	Adverse symptoms may include the following: irritation redness	
Ingestion	No specific data.	
Indication of immediate med	I attention and special treatment needed, if necessary	
Notes to physician	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.	
Specific treatments	No specific treatment.	
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. If i is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.	t

#### See toxicological information (Section 11)

Section 5. Fire-fighting measures		
Extinguishing media		
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.	
Unsuitable extinguishing media	: Do not use water jet.	
Specific hazards arising from the chemical	: Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. 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 thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides	



## Section 5. Fire-fighting measures

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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
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

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 spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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".
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.

#### Methods and materials for containment and cleaning up

Small spill
Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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. Use spark-proof tools and contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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 noncombustible, 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. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

#### 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. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.



## Section 7. Handling and storage

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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.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in a segregated and approved area. 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. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. 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.

## Section 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limits**

Ingredient name	Exposure limits
n-butyl acetate	ACGIH TLV (United States, 3/2020).
	STEL: 150 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
xylene	ACGIH TLV (United States, 3/2020).
,	Notes: 1996 Adoption Substances for
	which there is a Biological Exposure
	Index or Indices Refers to Appendix A
	Carcinogens.
	STEL: 651 mg/m <sup>3</sup> 15 minutes.
	STEL: 150 ppm 15 minutes.
	TWA: 434 mg/m <sup>3</sup> 8 hours.
	TWA: 100 ppm 8 hours.

controls	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering control also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. Emissions from ventilation or work process equipment should be checked to ensure		
controls		nvironmental protection legislation. In some eering modifications to the process	
Individual protection measures	<u>S</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. 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: chemical splash goggles.		
Skin protection			
Date of issue/Date of revision	: 1-10-2022	Version :1	
Date of previous issue	: No previous validation	5/12 AkzoNobel	

## Section 8. Exposure controls/personal 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.
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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
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.

# Section 9. Physical and chemical properties and safety characteristics

Appearance

2
ange: Lower: 1% Upper: 9.8% (2-ethoxy-1-methylethyl acetate)
alue: 4.6 (Air = 1) (2-methoxy-1-methylethyl acetate). e: 2.75 (Air = 1)
ollowing materials: cold water.
temperature): 1.57 cm²/s : 1.01 cm²/s



## Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

#### Information on toxicological effects

Acute toxicity
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Product/ingredient name	Result	Species	Dose	Exposure
n-butyl acetate	LC50 Inhalation Gas.	Rat	390 ppm	4 hours
	LC50 Inhalation Vapor	Mouse	6 g/m <sup>3</sup>	2 hours
	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Intraperitoneal	Mouse	1230 mg/kg	-
	LD50 Oral	Guinea pig	4700 mg/kg	-
	LD50 Oral	Mouse	6 g/kg	-
	LD50 Oral	Rabbit	3200 mg/kg	-
	LD50 Oral	Rat	10768 mg/kg	-
xylene	LC50 Inhalation Gas.	Rat	6700 ppm	4 hours
-	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
	LC50 Inhalation Gas.	Rat	6670 ppm	4 hours
	LD50 Intraperitoneal	Mouse	1548 mg/kg	-
	LD50 Intraperitoneal	Mouse	1548 mg/kg	-
	LD50 Intraperitoneal	Rat	2459 mg/kg	-
	LD50 Oral	Mouse	2119 mg/kg	-
	LD50 Oral	Rat	4300 mg/kg	-
	LD50 Oral	Rat	4300 mg/kg	-
	LD50 Subcutaneous	Rat	1700 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
n-butyl acetate	Eyes - Moderate irritant	Rabbit	-	100 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				mg	
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	-	24 hours 500	-
				mg	
	Skin - Moderate irritant	Rabbit	-	100 %	-

#### **Sensitization**

Not available.

#### **Mutagenicity**



## Section 11. Toxicological information

#### Not available.

**Carcinogenicity** 

Not available.

#### **Reproductive toxicity**

Not available.

#### <u>Teratogenicity</u>

Not available.

#### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
n-butyl acetate 2-methoxy-1-methylethyl acetate	Category 3 Category 3 Category 3 Category 3		Narcotic effects Narcotic effects Narcotic effects Respiratory tract irritation

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Name	Result
xylene	ASPIRATION HAZARD - Category 1

nformation on the likely outes of exposure	:	Not available.
Potential acute health effects		
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact	:	Causes mild skin irritation.
Ingestion	:	Can cause central nervous system (CNS) depression.
Symptoms related to the physes Eye contact		al, chemical and toxicological characteristics Adverse symptoms may include the following:
Symptoms related to the physical sectors and the sectors and the sector sectors and the sectors and the sectors and the sectors and the sectors are sectors and the sectors are sectors are sectors and the sectors are sector	sic	al, chemical and toxicological characteristics
Lye contact	•	pain or irritation
		watering redness
Inhalation	:	0
Inhalation Skin contact		redness Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo

#### Short term exposure

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Date of previous issue	: No previous validation	8/12	AkzoNobel

## Section 11. Toxicological information

		0		
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 effects				
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.		

## Section 12. Ecological information

Toxicity				
Product/ingredient name	Result	Species	Exposure	
n-butyl acetate	Acute LC50 32 mg/l Marine water	Crustaceans - Artemia salina	48 hours	
-	Acute LC50 100000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours	
	Acute LC50 18000 µg/l Fresh water	Fish - Pimephales promelas	96 hours	
	Acute LC50 185000 µg/l Marine water	Fish - Menidia beryllina	96 hours	
	Acute LC50 62000 µg/l Fresh water	Fish - Danio rerio	96 hours	
xylene	Acute EC50 90 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours	
	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 20870 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours	
	Acute LC50 19000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours	
	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours	
	Acute LC50 16940 µg/l Fresh water	Fish - Carassius auratus	96 hours	

#### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
2-ethoxy-1-methylethyl acetate	0.76	-	low
n-butyl acetate 2-methoxy-1-methylethyl acetate	2.3 1.2	-	low low
xylene	3.12	8.1 to 25.9	low

#### Mobility in soil

Date of issue/Date of revision	: 1-10-2022	Version : 1	
Date of previous issue	: No previous validation	9/12	AkzoNobel

## Section 12. Ecological information

Soil/water partition coefficient (Koc)

: Not available.

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

## Section 13. Disposal considerations

**Disposal methods** : 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 nonrecyclable 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	•		
	UN	IMDG	IATA
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class(es)	3	3	3
Packing group	Ш	Ш	
Environmental hazards	No.	No.	No.

Additional information

- : Emergency schedules F-E, \_S-E\_
- **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.

Transport in bulk according : Not available. to IMO instruments



## Section 15. Regulatory information

#### 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.

## Section 16. Other information

<u>History</u>	
Date of printing	: 1 November 2022
Date of issue/ Date of revision	: 1 October 2022
Date of previous issue	: No previous validation
Version	: 1
Unique ID	:
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available SGG = Segregation Group UN = United Nations

#### Procedure used to derive the classification

Classification	Justification
FLAMMABLE LIQUIDS - Category 3 SKIN CORROSION/IRRITATION - Category 3	On basis of test data Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -	Calculation method
Category 3 AQUATIC HAZARD (ACUTE) - Category 3	Calculation method
AQUATIC HAZARD (LONG-TERM) - Category 3	Calculation method

#### References

#### : Not available.

#### Indicates information that has changed from previously issued version.

#### Notice to reader

#### FOR PROFESSIONAL USE ONLY

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 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

Date of issue/Date of revision	: 1-10-2022	Version : 1	
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## Section 16. Other information

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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