

SAFETY DATA SHEET

A1000-AD MATT BASE FOGGY AIC 2.53

Section 1. Identification

GHS product identifier : A1000-AD MATT BASE FOGGY AIC 2.53

SDS code

operation)

: 12180253B

Relevant identified uses of the substance or mixture and uses advised against

	Identified uses
Paint. Professional use Indust	trial use
	Uses advised against
All other uses	
Product use	: Solvent borne coating for interior and exterior use.
Supplier's details MAPAERO SAS 10, Avenue de la Rijo 09103 PAMIERS Ce France	
e-mail address	: PSRA_PAMIERS@akzonobel.com
Emergency telephone number (with hours of	: +33 (0)5 34 01 34 01 +33 (0)5 61 60 23 30

Section 2. Hazards identification

: FLAMMABLE LIQUIDS - Category 3 **Classification of the** SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) substance or mixture Category 3

GHS label elements, including precautionary statements

Hazard pictograms			
Signal word	: Warning		
Hazard statements	: H226 - Flammable liquid and H336 - May cause drowsines	•	
Precautionary statements			
Prevention	: P210 - Keep away from heat, P241 - Use explosion-proof e P242 - Use non-sparking tool P243 - Take action to preven P261 - Avoid breathing vapor	lectrical, ventilating or lighting s. t static discharges.	
Response	: P304 + P312 - IF INHALED: (Call a POISON CENTER or do	octor if you feel unwell.
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Section 2. Hazards identification

Storage

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Disposal
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: P403 + P233 - Store in a well-ventilated place. Keep container tightly closed. P403 + P235 - Keep cool.

: P501 - 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	≤3	108-65-6
Hydroxyphenyl-benzotriazole derivatives	<1	104810-48-2
4-methylpentan-2-one	≤0.3	108-10-1
Polymeric Benzotriazole	≤0.3	104810-47-1
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	≤0.3	41556-26-7
Hexanoic acid, 2-ethyl-, zinc salt, basic	≤0.3	85203-81-2

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 and hence require reporting in this section.

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

Chemical formula

: Not applicable.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

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Section 4. First aid measures

Potential acute health	<u>effects</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	: Can cause central nervous system (CNS) depression. May cause drowsiness o dizziness.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: Can cause central nervous system (CNS) depression.
Over-exposure signs/s	symptoms
Eye contact	: No specific data.
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
	: No specific data.
Skin contact	•

Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if la quantities have been ingested or inhaled.	rge
Specific treatments	No specific treatment.	
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training is suspected that fumes are still present, the rescuer should wear an approp- mask or self-contained breathing apparatus. It may be dangerous to the per- providing aid to give mouth-to-mouth resuscitation.	riate

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO ₂ , 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.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
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 : No action shall be taken involving any personal risk or without suitable training. For non-emergency Evacuate surrounding areas. Keep unnecessary and unprotected personnel from personnel 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). 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. : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and Large spill 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 Avoid contact with eyes, skin and cloth with adequate ventilation. Wear appro inadequate. Do not enter storage area ventilated. Keep in the original contain compatible material, kept tightly closed heat, sparks, open flame or any other i (ventilating, lighting and material handle Take precautionary measures against retain product residue and can be haze	ing. Avoid breathing vapor of priate respirator when ventile is and confined spaces unles er or an approved alternative I when not in use. Store and gnition source. Use explosion ing) equipment. Use only not electrostatic discharges. En	or mist. Use only ation is ss adequately e made from a d use away from on-proof electrical on-sparking tools. npty containers
Advice on general occupational hygiene	Eating, drinking and smoking should be handled, stored and processed. Worke eating, drinking and smoking. Remove equipment before entering eating areas information on hygiene measures.	ers should wash hands and e contaminated clothing and	face before protective
Conditions for safe storage, including any incompatibilities	Store in accordance with local regulation area. Store in original container protect ventilated area, away from incompatible drink. Store locked up. Eliminate all ig materials. Keep container tightly close that have been opened must be careful leakage. Do not store in unlabeled cor avoid environmental contamination. So before handling or use.	eted from direct sunlight in a e materials (see Section 10) gnition sources. Separate fro d and sealed until ready for illy resealed and kept upright ntainers. Use appropriate co	dry, cool and well-) and food and om oxidizing use. Containers t to prevent ontainment to
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Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name		Exposure limits
n-butyl acetate 4-methylpentan-2-one		Workplace Safety and Health Act (Singapore, 2/2006). PEL (short term): 950 mg/m ³ 15 minutes. PEL (short term): 200 ppm 15 minutes. PEL (long term): 713 mg/m ³ 8 hours. PEL (long term): 150 ppm 8 hours. Workplace Safety and Health Act (Singapore, 2/2006). PEL (short term): 307 mg/m ³ 15 minutes. PEL (short term): 75 ppm 15 minutes. PEL (long term): 205 mg/m ³ 8 hours. PEL (long term): 50 ppm 8 hours.
Appropriate engineering controls	ventilation or other engineering cont contaminants below any recommend	Use process enclosures, local exhaust rols to keep worker exposure to airborne ded or statutory limits. The engineering controls t concentrations below any lower explosive on equipment.
Environmental exposure controls	they comply with the requirements o	process equipment should be checked to ensure of environmental protection legislation. In some gineering modifications to the process ce emissions to acceptable levels.
Individual protection meas	ures	
Hygiene measures	eating, smoking and using the lavate Appropriate techniques should be us	roughly after handling chemical products, before ory and at the end of the working period. sed to remove potentially contaminated clothing. reusing. Ensure that eyewash stations and station location.
Eye/face protection	assessment indicates this is necess gases or dusts. If contact is possible	pproved standard should be used when a risk ary to avoid exposure to liquid splashes, mists, e, the following protection should be worn, higher degree of protection: safety glasses with
Skin protection		
Hand protection	be worn at all times when handling of this is necessary. Considering the p check during use that the gloves are should be noted that the time to bread different for different glove manufact	es complying with an approved standard should chemical products if a risk assessment indicates parameters specified by the glove manufacturer, e still retaining their protective properties. It akthrough for any glove material may be turers. In the case of mixtures, consisting of ime of the gloves cannot be accurately
Body protection	being performed and the risks involved before handling this product. When wear anti-static protective clothing.	ne body should be selected based on the task ved and should be approved by a specialist there is a risk of ignition from static electricity, For the greatest protection from static anti-static overalls, boots and gloves.
Other skin protection		onal skin protection measures should be erformed and the risks involved and should be dling this product.



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.

Section 9. Physical and chemical properties

<u>Appearance</u>		
Physical state	:	Liquid.
Color	:	Gray.
Odor	:	Characteristic.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point/freezing point	:	Not available.
Initial boiling point and	:	Not available.
boiling range		
Flash point	:	Closed cup: 35°C
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Upper/lower flammability or explosive limits	:	Greatest known range: Lower: 1% Upper: 9.8% (2-ethoxy-1-methylethyl acetate)
Vapor pressure	:	Not available.
Vapor density	:	Highest known value: 4.6 (Air = 1) (2-methoxy-1-methylethyl acetate). Weighted average: 2.77 (Air = 1)
Density	:	1.23 g/cm ³
Solubility(ies)	:	Insoluble in the following materials: cold water.
Partition coefficient: n-octanol/ water	:	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	Kinematic (room temperature): 8.94 cm²/s Kinematic (40°C): 2.01 cm²/s

Section 10. Stability and reactivity

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 materialsHazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.SADT: Not available.	Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
reactionsConditions 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 materialsHazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products	Chemical stability	: The product is stable.
Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products	-	: Under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.	Conditions to avoid	
products should not be produced.	Incompatible materials	
SADT : Not available.	•	
	SADT	: Not available.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

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 ³	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	-
4-methylpentan-2-one	LD50 Intraperitoneal	Guinea pig	800 mg/kg	-
	LD50 Intraperitoneal	Mouse	268 mg/kg	-
	LD50 Intraperitoneal	Rat	400 mg/kg	-
	LD50 Oral	Guinea pig	1600 mg/kg	-
	LD50 Oral	Mouse	1900 mg/kg	-
	LD50 Oral	Mouse	2850 mg/kg	-
	LD50 Oral	Rat	2080 mg/kg	-
	LD50 Oral	Rat	4600 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	
4-methylpentan-2-one	Eyes - Moderate irritant	Rabbit	-	24 hours 100	-
				UI	
	Eyes - Severe irritant	Rabbit	-	40 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	

Sensitization

Not available.

Mutagenicity

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
2-ethoxy-1-methylethyl acetate	Category 3	-	Narcotic effects
n-butyl acetate	Category 3	-	Narcotic effects
2-methoxy-1-methylethyl acetate	Category 3	-	Narcotic effects
4-methylpentan-2-one	Category 3	-	Narcotic effects

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Section 11. Toxicological information

Not available.

Information on the likely routes of exposure	:	Not available.
Potential acute health effects	2	
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	Can cause central nervous system (CNS) depression.
Symptoms related to the phy	sic	al, chemical and toxicological characteristics
Eye contact	:	No specific data.
Inhalation	:	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Short term exposure		and also chronic effects from short and long term exposure
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
<u>Long term exposure</u>		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Potential chronic health effe	ect	<u>s</u>
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

<u>Toxicity</u>



Section 12. Ecological information

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
4-methylpentan-2-one	Acute LC50 505000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute LC50 540000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute LC50 537000 µg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic NOEC 78 mg/l Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 168 mg/l Fresh water	Fish - Pimephales promelas - Embryo	33 days

Persistence/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
4-methylpentan-2-one Hexanoic acid, 2-ethyl-, zinc salt, basic	1.9 -	- 60960	low high

Mobility in soil

Soil/water partition : Not available. coefficient (Koc)

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

Section 13. Disposal considerations

: The generation of waste should be avoided or minimized wherever possible. **Disposal methods** 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

		IN IMDO	G IATA
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class(es)	3	3	3
Packing group			111
Environmental hazards	No.	No.	No.
Additional informat			· · · · · · · · · · · · · · · · · · ·
UN		cous liquid exception This class 3 kagings up to 450 L according to 2.	3 viscous liquid is not subject to regulation in 3.2.5.1.
IMDG	<u>Vis</u>	ergency schedules F-E, _S-E_ <u>cous liquid exception</u> This class 3 kagings up to 450 L according to 2.	3 viscous liquid is not subject to regulation in 3.2.5.
pecial precautions	upi		ways transport in closed containers that are is transporting the product know what to do

Transport in bulk according : Not available. to IMO instruments

Section 15. Regulatory information

Safety, health and environmental regulations specific for the product : SS586: Specification for hazard communication for hazardous chemicals and dangerous goods.

- Singapore hazardous chemicals under government control
- None.

ne.

Section 16. Other information

<u>History</u>			
Date of printing	: 1 November 2022		
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Version	: 1		
Unique ID	:		
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Facto GHS = Globally Harmonized S IATA = International Air Trans IBC = Internediate Bulk Conta IMDG = International Maritime LogPow = logarithm of the oct MARPOL = International Conv 1973 as modified by the Proto	or System of Classification and L port Association ainer Dangerous Goods anol/water partition coefficier vention for the Prevention of F	nt Pollution From Ships,
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Section 16. Other information

N/A = Not available SGG = Segregation Group UN = United Nations

Procedure used to derive the classification

Classification	Justification
FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3	On basis of test data Calculation method

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 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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