

SDS-06-0002

AZO UNIVERSAL WIPES AND SPRAY - SAFETY DATA SHEET

Revision Date: 17-Apr-2023

Revision number: 09

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

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

1.1 Product identifier

Product Name	Azo Universal Wipes Azo Universal Spray
Product code	AM050N, AM100W, AM200W, AM500S, AM050NCE, AM100WCE, AM200WCE, AM500SCE

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

Hard surface disinfectant wipes and spray, particularly for non-invasive medical devices.
Use against: Invasive medical devices.

1.3 Details of the supplier of the safety data sheet

UK:
Vernacare Limited
Matrix Park,
1 Western Avenue,
Chorley,
Lancashire
United Kingdom
PR7 7NB

Telephone: +44 0 1772 299900
Telefax: +44 0 1772 299901
E-mail: Raqa.hcs@vernacare.com

1.4 Emergency telephone number

+44 0 1772 299900 (UK business hours 08:00-16:00)
UK: 111 (public NHS number for less urgent medical problems). Medical professionals can contact the National Poisons Information Service (NPIS): 0344 892 0111.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008, or GB equivalent (and its amendments)	H319 Eye Irrit. 2 Causes serious eye irritation
	See Section 16 'Other information' for full text of the H-statements.

2.2 Label elements



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Signal word	Warning
Hazard statements	H319 Causes serious eye irritation
Precautionary statements	EUH208: Contains poly(hexamethylenebiguanide) hydrochloride. May produce an allergic reaction. Causes serious eye irritation.
prevention	P264+265: Wash hands thoroughly after handling. Do not touch eyes P280: Wear protective gloves/protective clothing/eye protection/face protection.
response	P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P317: If eye irritation persists: Get medical help.
storage	None.
disposal	None.
2.3 Other hazards	The product does not contain any ingredient identified as having endocrine disrupting properties according to Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605. The product does not contain any ingredient as being assessed as PBT or vPvB according to Regulation (EU) 1907/2006.

SECTION 3: Composition/information on ingredients

In accordance with the product knowledge, no nanomaterials have been identified.

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

3.1 Substances

Not applicable

3.2 Mixtures ^a

Declarable components	Conc. (%)	EC No.	CAS No.	REACH Reg. No.	Classification, supplemental hazards, ATE, M-factor, and SCL
Didecyltrimethylammonium chloride (DDAC)	0.1 to 0.5	230-525-2	7173-51-5	01-2119945987-15-XXXX	Acute Tox 3, H301; Skin Corr 1B, H314; Eye Dam 1, H318; Aquatic Acute 1, H400 Aquatic Chronic 2, H411 M=10
Chlorhexidine digluconate (CHDG)	0.1 to 0.5	242-354-0	18472-51-0	NA	Acute Tox 4, H302 Eye Dam 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 M=10 M=1

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Polyhexamethylene biguanide (PHMB)	0.1 to 0.5	608-042-7	27083-27-8	NA	Acute Tox 4, H302 Acute Tox 2, H330 Eye Dam 1, H318 Skin Sens 1B, H317 Carc 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 STOT RE 1, H372 (respiratory tract, inhalation) M = 10 M = 10
Benzalkonium chloride (BAC)	0.01 to 0.1	270-325-2	68424-85-1	NA	Acute Tox 4, H302 Skin Corr 1B, H314 Eye Dam 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 M=10 M=1

^a See Section 16 'Other information' for full text of the H-statements.

SECTION 4: First aid measures

4.1 Description of first aid measures

General Information	When in doubt or if symptoms are observed, get medical advice.
Inhalation	If inhalation is suspected of causing respiratory effects (eg irritation or difficulties in breathing), move person to fresh air and keep warm and at rest in a position comfortable for breathing. If symptoms continue, call a doctor.
Skin	For skin contamination, rinse affected area with water. Call a doctor if irritation, rash, or other symptoms occur.
Eye	In case of contact with eyes, rinse eye with room-temperature water or eyewash solution, occasionally lifting eyelids. Call a doctor if irritation persists.
Ingestion	If swallowed, rinse mouth thoroughly and give water to drink. Get medical attention for any symptoms. Do not induce vomiting, unless instructed by medical personnel. IF SWALLOWED: Rinse mouth.
Self-protection of the first aider:	No special measures are necessary.

4.2 Most important symptoms and effects, both acute and delayed

Liquid in the wipe or spray may cause an allergic skin reaction. Inhalation may cause drowsiness or dizziness.

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4.3 Indication of any immediate medical attention and special treatment needed	Treat symptoms as they occur.
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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable	Foam. Extinguishing powder. Carbon dioxide (CO ₂). Sand.
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Unsuitable	Strong water jet.
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5.2 Special hazards arising from the substance or mixture	The product is water-based and not classified as flammable, but if involved in a fire, it will decompose producing hazardous smoke, vapours and gases.
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5.3 Advice for firefighters	Wear a self-contained breathing apparatus and chemical protective clothing.
Additional Information	Do not inhale vapours and fumes. Co-ordinate fire-fighting measures to the fire surroundings. Move undamaged containers from immediate hazard area if it can be done safely. Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Product is supplied in small packages (wipes or spray container), which do not pose a hazard, and can be collected. Wear gloves (see Section 8) and eye protection for cleaning liquid spills. Liquid spills on the floor may be slippery.
6.2 Environmental precautions	Ensure that waste is collected and contained. Contain leaks or spills within cabinets with removable trays. No special environmental measures are necessary.
6.3 Methods and material for containment and cleaning up	Treat the recovered material as prescribed in the section on waste disposal. Collect in closed and suitable containers for disposal. Clean contaminated objects and areas thoroughly observing environmental regulations. Ventilate affected area. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Wipe up with absorbent material (eg. cloth, fleece).

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6.4 Reference to other sections	For safe handling, see section 7. For recommended personal protective equipment, see Section 8. For disposal considerations, see Section 13.
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SECTION 7: Handling and storage

7.1 Precautions for safe handling	PROTECTIVE MEASURES: No special measures are necessary. Advices on general occupational hygiene: Wash hands before breaks and after work. Remove contaminated, saturated clothing. Avoid contact with skin, eyes and inhalation of spray.
7.2 Conditions for safe storage, including any incompatibilities	Keep container tightly closed in a dry, cool, and well-ventilated place. Keep container in upright position in order to prevent leakage.
7.3 Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits	Does not contain substances above concentration limits fixing an occupational exposure limit.
Biological limit values	Not available
Other: human health (DNELs, DMELs)	BAC: DNELs: workers, long-term exposure, systemic effects, inhalation, 3.96 mg/m ³ ; workers, long-term exposure, systemic effects, dermal, 5.7 mg/kg/d.
Other: environmental (PNEC)	DDAC: PNECs: freshwater, 0.0011 mg/L; sewage treatment plant, 0.14 mg/L; freshwater sediment, 61.8 mg/kg dry sediment; soil, 1.4 mg/kg dry soil. BAC: PNECs: freshwater, 0.001 mg/L; sewage treatment plant, 0.4 mg/L; freshwater sediment, 12.27 mg/kg dry sediment; soil, 7 mg/kg dry soil.

8.2 Exposure controls

Engineering controls	See section 7. No additional measures necessary.
Personal protective equipment	Suitable eye protection: Wear eye protection equipment. Recommended eye protection articles: Eye glasses. Hand protection: Suitable gloves type: Wear protective gloves. Additional hand protection measures: Do not wear gloves near machines and rotating tools. Use gloves only once. Respiratory protection: Suitable respiratory protection apparatus: No data available.
Environmental exposure controls	No special measures are necessary.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

(a) Physical state	Liquid (in wipes or spray product)
(b) Colour	Colourless - Clear
(c) Odour	Slight/Ammonia
(d) Melting/freezing point	Not available (0 °C for water)
(e) Boiling point or initial boiling point and boiling range	Not available (100 °C for water)
(f) Flammability	Not flammable liquid (aqueous solution)
(g) Lower and upper explosion limit	Not applicable to aqueous solution
(h) Flash point	No flash point below boiling point
(i) Auto-ignition temp.	Not available
(j) Decomposition temp.	Not available
(k) pH	Not available
(l) Kinematic viscosity	Not available
(m) Solubility	Soluble in water (aqueous solution)
(n) Partition coefficient, n-octanol/water (log value)	Not available
(o) Vapour pressure	Not available (2310 Pa at 20 °C for water)
(p) Density or relative density	Not available
(q) Relative vapour density	Not available
(r) Particle characteristics	Not applicable to liquid
9.2 Other information	Not expected to be explosive or oxidising

SECTION 10: Stability and reactivity

10.1 Reactivity	No data available
10.2 Chemical stability	The product is stable when stored at normal ambient temperatures.
10.3 Possibility of hazardous reactions	No hazardous reaction when handled and stored according to provisions.
10.4 Conditions to avoid	No data available
10.5 Incompatible materials	Strong acids, alkalis, and oxidising agents. Water-reactive products.
10.6 Hazardous decomposition products	Does not decompose when used for intended uses.

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SECTION 11: Toxicological information

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

(a) Acute toxicity	Based on available data, the classification criteria are not met. ATE _{mix} (oral) > 2000 mg/kg; ATE _{mix} (dermal) > 2000 mg/kg. PHMB: fatal if inhaled.
(b) Skin corrosion/irritation	Based on available data, the classification criteria are not met. Contains irritating or corrosive substances at 1% or less.
(c) Serious eye damage/irritation	Based on available data, the classification criteria are not met. Contains irritating or corrosive substances at 1% or less.
(d) Respiratory or skin sensitisation	Based on available data, the classification criteria are not met. Contains irritating or corrosive substances at 1% or less.
(e) Germ cell mutagenicity	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
(f) Carcinogenicity	Based on available data, the classification criteria are not met. PHMB: suspected of causing cancer.
(g) Reproductive toxicity	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
(h) STOT-single exposure	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
(i) STOT-repeated exposure	Based on available data, the classification criteria are not met. PHMB: causes damage to respiratory tract via inhalation through prolonged or repeated exposure.
(j) Aspiration hazard	Based on available data, the classification criteria are not met. Product is an aqueous solution.
11.2 Information on other hazards	Not available.

SECTION 12: Ecological information

12.1 Toxicity	Based on available data, the classification criteria are not met. Product is a biocidal product. Contains very toxic ingredients at 1% or less.
12.2 Persistence and degradability	DDAC, BAC: readily biodegradable. CHDG: poor biodegradability.
12.3 Bioaccumulative potential	DDAC: not bioaccumulative based on log K _{ow} < 3. CHDG: low potential for bioconcentration and bioaccumulation in aquatic or terrestrial organisms. BAC: low bioaccumulation potential based on bioaccumulation factor of 79 in fish.
12.4 Mobility in soil	DDAC: K _{oc} at 20 °C, 562 314 (very strong sorption to soil).

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12.5	Results of PBT and vPvB assessment	No substances have been identified with PBT or vPvB properties according to Regulation (EU) 1907/2006
12.6	Endocrine disrupting properties	No substances have been identified with endocrine disrupting properties according to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.
12.7	Other adverse effects	The mixture is not classified as hazardous to the ozone layer.

SECTION 13: Disposal considerations

13.1	Waste treatment methods	Product/Packaging disposal: Waste codes/waste designations according to EWC/AVV: The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Waste treatment options: Appropriate disposal/Product: Dispose of waste according to applicable legislation. Appropriate disposal/Package: Non-contaminated packages must be recycled or disposed of. Contaminated packing must be completely emptied and can be reused after proper cleaning. Packing which cannot be properly cleaned must be disposed of. Dispose of waste according to applicable legislation. Remark: For recycling, contact manufacturer.
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SECTION 14: Transport information

14.1	UN Number	Not classified as dangerous goods for transport.
14.2	UN proper shipping name	Not applicable.
14.3	Transport hazard class(es)	Not applicable.
14.4	Packing group	Not applicable.
14.5	Environmental hazards	Not classified as marine pollutant/environmentally hazardous.
14.6	Special precautions for user	Not available.
14.7	Maritime transport in bulk according to IMO instruments	Not applicable.

SECTION 15: Regulatory information

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006. This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.
15.2	Chemical safety assessment	No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

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SECTION 16: Other information

Revisions	This revision of this SDS is compliant with Classification of the mixture is in accordance with the evaluation method described in Regulation (EC and as amended by GB-CLPB) No 1272/2008. Complies with ATP 18, Regulation (EU) n°2022/692.
Abbreviations	ATE: Acute toxicity estimate. DNEL: Derived no-effect level. DMEL: Derived minimum effect level. OECD: Organisation for Economic Co-operation and Development. PBT: Persistent, bioaccumulative, and toxic. PNEC: predicted no-effect concentration. vPvB: Very persistent, very bioaccumulative. CAS: Chemical Abstract Service Number. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods Code. DPD: Dangerous Preparation Directive. UN number: United Nations number. No EC: European Commission Number. ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways. ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail. CLP: Classification, labelling and packaging.
References	Search for chemicals; available at the European Chemicals Agency website: http://echa.europa.eu/ .
Basis of classification	The mixture is classified on the basis of available information on the ingredients.
List of hazard statements	H301: Toxic if swallowed H302: Harmful if swallowed H314: Causes severe skin burns and eye damage H315: Causes skin irritation H317: May cause an allergic skin reaction H318: Causes serious eye damage H319: Causes serious eye irritation H330: Fatal if inhaled H351: Suspected of causing cancer H372: Causes damage to organs through prolonged or repeated exposure; H400: Very toxic to aquatic life H410: Very toxic to aquatic life with long lasting effects H411: Toxic to aquatic life with long lasting effects.

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

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