Conforms to Regulation EU2015/830

SAFETY DATA SHEET
INSTRUMENT CLEANER

SECTION 1: Identification of the substance/mixture and of the Company/Undertaking

1.1 Product Identifier

Product Name : Aqueos Equine Instrument Cleaner & Disinfectant
Product Code : AQE 8003
Product Description : Cleaning and disinfecting Equine Instruments
Product Type : Liquid

1.2 Relevant Identified Users of the substance or mixture and uses advised against

Product Use : **D**isinfection and deodorising of equine environments
PRODUCT IS INTENDED FOR DILUTION PRIOR TO USE IN ACCORDANCE WITH INSTRUCTIONS
Area of Application : Stables, yards and veterinary practices where instruments and equipment needs cleaning and disinfection

1.3 Details of the Supplier of the Safety Data Sheet

Aqueos Care Limited
Sharcott Pennings. Sharcott
Pewsey, Wiltshire, SN9 5NJ

Head Office : (T) +44 (0) 1672 562007
e-mail address of person responsible for this SDS : info@aqueos.co.uk

1.4 Emergency Telephone Number

Telephone : +44 (0) 7515 473809

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Product Definition : Mixture

Classification according to Directive 1272/2008

GHS09 environment

Aquatic Acute 1	H400	Very Toxic to Aquatic Life

GHS07

Acute Toxicity 4	H302	Harmful if swallowed
Acute Toxicity 2	H315	Causes skin irritation

2.2 Label Elements

Hazard symbols :

Signal Word : **WARNING** **WARNING**

Hazard Statements	: H400	Very toxic to aquatic life
	: H302	Harmful if swallowed
	: H315	Causes skin irritation
	: H320	Causes eye irritation
Precautionary Statements	: P102	Keep out of the reach of children
	: P103	Read label before use
	: P273	Avoid release to the environment
	: P280	Wear appropriate hand and eye protection e.g. gloves, goggles
	: **P301/305**	**IF SWALLOWED OR IN EYES:**
	: *P330*	*Rinse with fresh water*
	: *P312*	*Contact a Doctor/Medical professional if you feel unwell or symptoms arise/persist*
	: P411	Store at room temperature
	: P501	Dispose of contents/container in accordance with local guidelines

SECTION 3: Composition/information on ingredients

Substance/Mixture : Mixture

Ingredient Name	CAS Identifier	EINECS No	%	Classification 1272/2008
Didecyl dimethyl ammonium chloride	7173-51-5	230-525-2	0.92%	H314, H302, H400, H336
Alkyl Dimethyl Benzyl Ammonium Chloride (BAC 50)	68424-85-1	264-151-6	0.67%	H314, H400, H410, H302, H312
Tetrasodium EDTA	64-02-8	200-573-9	0.15%	

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

As a general rule, in case of doubt or if symptoms persist, always call a Doctor.

Emergency Overview :

Physical State : Liquid (Clear), Colourless & Odour Free (mild chemical smell)

Routes of Exposure : Eyes, Skin Contact, Inhalation, Ingestion

Eye Contact : Immediately rinse eyes with fresh, clean water occasionally lifting the upper & lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Seek medical attention if irritation persists

Skin Contact : Rinse skin with fresh, clean water. If skin irritation develops or persists, consult a doctor

Inhalation : No special measures are required, though if irritation occurs, move exposed person to fresh air, keeping them dry and still. If breathing becomes difficult or irregular, oxygen or artificial respiration may be delivered in accordance with usual first aid procedures and get medical attention immediately

Ingestion : If swallowed, wash out mouth with water. **DO NOT INDUCE VOMITING** unless directed to do so by trained medical personnel. Call a doctor immediately and show them the product label

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye Contact : Irritating to eyes

Skin Contact : Frequent or prolonged contact may cause skin irritation. Skin contact may aggravate an existing dermatological condition

Inhalation : No known significant effects or critical hazards

Ingestion : No known significant effects or critical hazards

Over exposure signs/symptoms

Eye Contact : Adverse symptoms may include irritation, watering or redness
Skin Contact : Over exposure may cause irritation, redness, cracking or drying
Inhalation : No specific data
Ingestion : No specific data

4.3 Indication of any immediate medical treatment and special treatment needed
See above. No specific treatments

SECTION 5: Firefighting Measures

5.1 Extinguishing Media
Use dry chemical powder, CO2, water spray or foam

5.2 Special Hazards arising from the mixture
Under certain fire conditions, traces of toxic gases cannot be excluded e.g. Nitrogen Oxides, Carbon Monoxide, Hydrogen Chloride

5.3 Advice for Firefighters
This is a water based product presenting no unusual hazards. No special measures beyond normal appropriate protective equipment

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
If spilt, surface may become slippery. Keep unnecessary personnel away from spill area. Wear appropriate PPE such as eye protectors and gloves to avoid direct contact with eyes and skin – see Section 8 below

For emergency responders
No special measures required but wear eye protectors and gloves along with usual protective equipment

6.2 Environmental Precautions
Do not allow concentrated product to reach waterways, drains and sewage system. Inform authorities in case of contamination of water or sewage system. May be harmful to the environment if large quantities of concentrated solution are released

6.3 Methods and material for containment and cleaning up

Containment
Do not walk through spilled solution. Prevent from spreading using absorbent material such as towels or liquid binding material like sand, diatomite or sawdust. Put all material into appropriate waste disposal.

Clean up procedures
Rinse area with fresh, clean water to dilute and reduce risks of environmental pollution or skin irritation. Use absorbent material (see containment above) to dry area. Put all material into appropriate waste disposal. Never return spills to original containers for re-use

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

7.1 Precautions for safe handling
Apply good hygiene procedures and in accordance with good practice, keep exposure to chemical at a minimum. Good housekeeping procedures should be applied. Follow instructions for use on product label and, in particular, dilute by 20:1 prior to use

7.2 Conditions for safe storage, including any incompatibles
Keep in original container and ensure it is securely closed except when in use. Store upright away from direct sunlight at room temperature. Do not allow to freeze. Keep out of reach of children

SECTION 8: Exposure controls/personal protection
The information in this section contains generic advice and guidance. The user is responsible for carrying out risk assessments of their specific processes and systems at work. Refer to Directive 89/686/EEC on personal protective equipment.

8.1 Control Parameters
Occupational exposure limits have not been set for the ingredients within this mixture

8.2 Exposure Controls

Engineering Controls
Ensure adequate ventilation in accordance with acceptable workplace standards.

Personal Protective Equipment

Eye Protection : Wear eye protection to BS EN 166 when diluting
Skin Protection : Wear appropriate impermeable gloves, identified by risk assessment
Body Protection : Not normally required but adhere to in house PPE policies e.g. use of aprons
Respiratory Protection: Not normally required

SECTION 9: Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance : Liquid, Colourless
Odour : Characteristic
Odour Threshold : Not available
pH : 7 – 10.5
Melting/Freezing point : Not available
Boiling Point/Range : 100°C
Flash Point : Not applicable
Evaporation Rate : Not available
Flammability : Not self inflammable
Explosive Limits : Lower limit 0.9% (Vol %)
Vapour Pressure : Not available
Vapour Density : Not available
Relative Density : ca 1g/cm³ (@ 20°C)
Solubility/Miscibility : Fully miscible
Partition coefficient : Not available
Auto-ignition temp : Not available
Decomposition temp : Not available
Viscosity : Non-viscous

Explosive Properties : Product does not present an explosion hazard.
Oxidising Properties : Not available

9.2 Other Information
No additional information

SECTION 10: Stability and reactivity

10.1 Reactivity : None known
10.2 Chemical stability: Stable under recommended storage conditions
10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions won't occur
10.4 Conditions to avoid : Do not mix with other chemicals
10.5 Incompatible materials : Strong oxidising agents and acids
10.6 Hazardous decomposition products : None known

SECTION 11: Toxicological Information

The toxicological information below ***relates to the core ingredients*** of the mixture:

Acute Toxicity

Ingredient	CAS No:	Result	Species	Dose
Didecyl dimethyl ammonium chloride	7173-51-5	LD50 Oral LD50 Oral LD50 Dermal	Rat Mouse Rabbit	84mg/kg 268mg/kg 2730mg/kg
Alkyl Dimethyl Benzyl Ammonium Chloride (BAC 50)	68424-85-1	LD50 Dermal LD50 Oral LD50 Oral	Rat Rat Mouse	1420 mg/kg 795 mg/kg 150 mg/kg
Tetrasodium EDTA	64-02-0	**No data**		

Conclusion/Summary : Non-toxic at concentration levels

Irritation

Ingredient	CAS No:	Result	Species	Exposure
Didecyl dimethyl ammonium chloride	7173-51-5	Skin - Irritant	Rabbit	3 minutes
Alkyl Dimethyl Benzyl Ammonium Chloride (BAC 50)	68424-85-1	**No data**		

Conclusion/Summary : May be slightly irritating to the skin and eyes

Sensitisation : No sensitising effects known
General : No known significant effects or critical hazards
Carcinogenicity : No known significant effects or critical hazards
Mutagenicity : No known significant effects or critical hazards
Teratogenecity : No known significant effects or critical hazards
Developmental Effects: No known significant effects or critical hazards
Fertility Effects : No known significant effects or critical hazards
Other Information : Not available

SECTION 12: Ecological Information

12.1 Toxicity : Non toxic at concentration levels

Ingredient	Result	Species	Exposure
Didecyl dimethyl ammonium chloride CAS: 7173-51-5	Acute EC50 0.06mg/l Acute LC50 2.2mg/l Acute LC50 0.1mg/l Acute LC50 0.19mg/l	Daphnia magna Oncorhynchus mykiss Acipenser transmontanus Pimephales promelas	48 hours 96 hours 96 hours 96 hours
Tetrasodium EDTA CAS: 64-02-0	**No data available**		
Alkyl Dimethyl Benzyl Ammonium Chloride (BAC 50) CAS: 68424-85-1	Acute EC50 <1mg/l Acute LC50 0.195 mg/l IC 50 <1mg/l	Daphnia magna Brachydanio rerio Algae	48 hours 96 hours 72 hours

12.2 Persistence and degradability : The active ingredients are biodegradable up to the MIC for bacteria

12.3 Bioaccumulative potential : Low

12.4 Mobility in Soil : Not available

12.5 Results of PBT & vPvB assessment : Not applicable

12.6 Other adverse effects : No known significant effects or hazards

SECTION 13: Disposal Considerations

The information in this section contains generic advice and guidance.

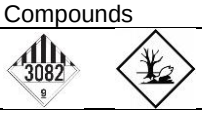
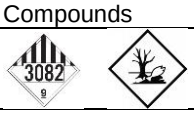
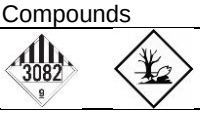
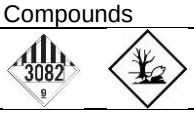
Product

Disposal should at all times comply with the requirements of environmental protection, waste disposal legislation and any local authority requirements. Small amounts of surplus solution may be diluted with plenty of water (in accordance with ratios on product label) and washed away.
Do not allow concentrated product to reach waterways, drains or sewage system. Consult waste disposal contractor or local authority for guidance to ensure compliance with current legislation/regulations.

Packaging

Disposal should at all times comply with the requirements of environmental protection, waste disposal legislation and any local authority requirements. Waste packaging and product containers should be recycled wherever possible so incineration or landfill should only be considered where recycling is not feasible. The container should be disposed of safely. Care should be taken when handling empty containers as they retain product residues in concentrate form. Consult waste disposal contractor or local authority for guidance to ensure compliance with current legislation/regulations.

SECTION 14: Transport Information

	ADR/RID	ADN	IMDG	IATA
14.1 UN Number	UN3082	UN3082	UN3082	UN3082
14.2 UN Proper Shipping Name	Environmentally Hazardous, Substance, Liquid, NOS: Quaternary Ammonium Compounds	Environmentally Hazardous, Substance, Liquid, NOS: Quaternary Ammonium Compounds	Environmentally Hazardous, Substance, Liquid, NOS: Quaternary Ammonium Compounds	Environmentally Hazardous, Substance, Liquid, NOS: Quaternary Ammonium Compounds
14.3 Transport Hazard Classes				
14.4 Packing Group	III	III	III	III
14.5 Environmental Hazards	Yes	Yes	Yes	Yes
14.6 Special Precautions	Not available	Not available	Not available	Not available

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the mixture

EU Regulations (EC) No. 1907/2006 REACH

Annex XIV Substances of very high concern
None of the ingredients are listed

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

Notification Status
All ingredients within the mixture are identified as existing under Biocidal Products Regulation (BPR, Regulation (EU) 528/2012)

Other EU Regulations

Black List Chemicals	**:** Not listed
Priority List Chemicals	**:** Not listed
IPPC – Air	**:** Not listed
IPPC – Water	: Not listed
Chemical Weapons Convention List	**:** Not listed

15.2 Chemical Safety Assessments
Chemical safety assessments for all substances in this product are either Complete or Not Applicable

Section 16: Other Information

Abbreviations/acronyms:
MIC = Minimum Inhibitory Concentration
CAS = Chemical Abstracts Service
LD50 = Lethal Dose (amount of substance per body weight to kill 50% of test population)
EC50 = Half maximal effective concentration
IC50 = Half maximal inhibitory concentration
ADR = European Regulations for transportation of dangerous goods on the road
RID = Regulations for transportation of dangerous goods by rail
ADN = International Carriage of Dangerous Goods on the Waterway
IMDG = International Maritime Dangerous Goods
IATA = International Air Transport Association
IPPC = Integrated Pollution Prevention & Control

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS) – Calculation Method Used

Eye Irritation	**: H320**
Skin Irritation	**: H315**
Aquatic Acute 1	**: H400**

Full Text of abbreviated H Statements:

H302	**:** Harmful if swallowed
H315	**:** Causes skin irritation
H320	**:** Causes eye irritation
H400	**:** Very toxic to aquatic life
H411	**:** Toxic to aquatic life with long lasting effects

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