



**SAFETY DATA SHEET
DISINFECTANT & DEODORISER CONCENTRATE**

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

1.1 Product Identifier

Product Name : Aqueos Kennel, Patio & Multi Use Disinfectant 5 Litre Refill
Product Code : AQC7005
Product Description : Disinfectant Concentrate
Product Type : Liquid

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

Product Use : Concentrated solution for disinfecting & deodorising equipment, floors, patios, decking, kennels or veterinarian premises where suitable drainage exists

PRODUCT IS INTENDED FOR DILUTION PRIOR TO USE IN ACCORDANCE WITH INSTRUCTIONS

Area of Application : Large areas requiring deodorising 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 1999/45/EC and its amendments

- This product is classified as dangerous within the meaning of this Directive, using the definition in Section 2j, that it may cause irritation through immediate, prolonged or repeated contact with the skin
- This product is classified as harmful to the environment within the meaning of this Directive, using the definition in section 2o, that were it to enter the environment it could present an immediate or delayed danger for one or more components of the environment

Classification : Xi; R22, R38, R66
 : N; R52/53

Physical/Chemical Hazards : Not applicable

Human Health Hazards : Skin and eye Irritant in concentrate form

Environmental Hazards : Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment

NFPA/HMIS Rating

Health	1
Flammability	0
Physical Hazard	0
Personal Protective Equipment	B



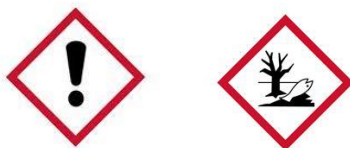
See Section 16 for the full text of R, H, N & rating statements above.

AQUEOS

**SAFETY DATA SHEET
DISINFECTANT & DEODORISER CONCENTRATE**

2.2 Label Elements

Hazard symbols :



Indication of danger	: Irritant	Harmful for the Environment
Risk Phrases	: R22	Harmful if swallowed
	: R38	Irritating to skin
	: R52/53	Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment
Safety Phrases	: R66	Repeated exposure may cause skin dryness or cracking
	: S2	Keep out of the reach of children
	: S24	Avoid contact with skin
	: S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	: S36/37/39	Wear suitable protective clothing, gloves & eye protection
	: S46	If swallowed seek medical advice immediately and show label
	: S47	Keep at temperature not exceeding 40°
	: S50	Do not mix with any other chemicals
Hazardous Ingredients:	Not applicable	
Supplemental label elements	: Not applicable	

2.3 Other Hazards

Other hazards which do : Not available
not result in classification

SECTION 3: Composition/information on ingredients

Substance/Mixture : Mixture

Ingredient Name	CAS Identifier	EINECS No	%	Classification 67/548/EEC
Didecyl dimethyl ammonium chloride	7173-51-5	230-525-2	<1%	C: R34; Xn: R22; N: R50; R10, R67
Alkyl Dimethyl Benzyl Ammonium Chloride (BAC 50)	63449-41-2*	264-151-6	<1%	C: R34; Xn: R22; N: R50
Tetrasodium EDTA	64-02-8	200-573-9	0.15%	Not Applicable

*This active ingredient is notified with CAS Number 68424-85-1 which is listed in Annex II to the Directive 1451/2007/EC and should be used for biocidal product registration.

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 immediately.

AQUEOS

**SAFETY DATA SHEET
DISINFECTANT & DEODORISER CONCENTRATE**

- 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

AQUEOS

**SAFETY DATA SHEET
DISINFECTANT & DEODORISER CONCENTRATE**

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 above 5°C & below 40°C. 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
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/cm ³ (@ 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	Rat	84mg/kg
		LD50 Oral	Mouse	268mg/kg
		LD50 Dermal	Rabbit	2730mg/kg
Alkyl Dimethyl Benzyl Ammonium Chloride (BAC 50)	63449-41-2	LD50 Dermal	Rat	1420 mg/kg
		LD50 Oral	Rat	795 mg/kg
		LD50 Oral	Mouse	150 mg/kg
Tetrasodium EDTA	64-02-0	No data		

Conclusion/Summary : Non-toxic at concentration levels

AQUEOS**SAFETY DATA SHEET
DISINFECTANT & DEODORISER CONCENTRATE****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)	63449-41-2	No data		

Conclusion/Summary : 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
Teratogenicity : 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: 63449-41-2	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.

AQUEOS

**SAFETY DATA SHEET
DISINFECTANT & DEODORISER CONCENTRATE**

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

AQUEOS

**SAFETY DATA SHEET
DISINFECTANT & DEODORISER CONCENTRATE**

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

Eye Irritation : H320
Skin Irritation : H315
Aquatic Acute 1 : H400
Aquatic Chronic 1 : H411

HMIS Rating & NFPA Diamond

Health	1	No significant risk to health
Flammability	0	Materials that will not burn
Physical Hazard	0	Materials that are normally stable
Personal Protective Equipment	B	Safety glasses & protective gloves



Full Text of abbreviated H Statements:

H302 : Harmful if swallowed
H312 : Harmful in contact with skin
H314 : Causes severe skin burns and eye damage
H315 : Causes skin irritation
H318 : Causes serious eye irritation
H320 : Causes eye irritation
H400 : Very toxic to aquatic life
H411 : Toxic to aquatic life with long lasting effects

Full Text of Abbreviated R Phrases within this data sheet (relate to concentrate)

R10 : Flammable
R22 : Harmful if swallowed
R34 : Causes burns
R36/38 : Irritating to eyes and skin
R38 : Irritating to skin
R50 : Very toxic to aquatic organisms
R67 : Vapours may cause drowsiness or dizziness

Full Text of Classifications (DSD/DPD) relating to ingredients of the mixture

C : Corrosive
N : Dangerous for the environment
Xi : Irritant
Xn : Harmful

Date of Issue : 1st March 2015
Version : 4
Date of previous issue : 14th August 2014

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. All materials may present unknown hazards so should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist so this document does not purport to be all inclusive. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The document does not form a legally binding contractual relationship and the company shall not be held liable for any damage resulting from contact with the product as final determination of suitability of any material is the sole responsibility of the user.