

PRODUCT INFORMATION SHEET



Unico Limited, North Main Street, Carronshore,
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QUEST PLUS

Cleaner, Disinfectant and Deodoriser- Concentrate

FEATURES & APPLICATIONS:

Quest Plus is a powerful sanitiser. It is effective against viruses including HIV and Hep.C. At a dilution of 1 in 80 it is effective against Escherichia Coli, Staphylococcus Aureus, Candida Albicans and MRSA. The contact time for MRSA is 30 seconds. Not only will it sanitise the surface, it will clean it too. It can be used on sinks, baths, tiles, showers, floors and walls. It can be used to sanitise waste bins and mop up body spillages. Quest Plus will also disinfect in sickrooms.

Caution; Do not use on gloss-painted surfaces.

APPLICATION DETAILS

Task	Maximum Dilution	How To Use
Sanitising and deodorising sinks, baths, tiles, showers, floors and walls.	1 in 80 with water (60 ml per 5 litres)	Clean thoroughly, then leave to dry without rinsing.
Sanitising and deodorising sickrooms, spillages and wastebins.	1 in 20 with water (250 ml per 5 litres)	Clean thoroughly, then rinse with fresh water.
To remove Hepatitis C contamination.	1 in 5 with water (1 litre per 5 litres)	Clean thoroughly, leave for 5 minutes then rinse with fresh water.
To remove HIV contamination.	1 in 1 with water. (1 litre per 1 litre)	Clean thoroughly, leave for 5 minutes then rinse with fresh water.

Note: If using an Ounce-a-matic dispenser, one measure = 30 ml.

PRODUCT AND PACKAGING INFORMATION

Appearance & Odour: Clear, yellow liquid with fresh citrus fragrance.

Chemical Description: An aqueous solution of surfactant, biocide, sequestering agent, alkaline builder, perfume and dye.
Packaging: 2 X 5 litres.

Shelf Life: 2 Years

ENVIRONMENTAL INFORMATION

General Information: This product has been formulated to have very little ecological impact and is an ideal choice for environmentally aware organisations.

Environmental Checklist:

Biodegradable detergents	Yes	CFC free	Yes	Solvent free	Yes
Phosphate free	Yes	Acid/alkali free	No	Free of dyes/perfumes	No
Recyclable packaging	Yes	Biodegradable container	No	Biodegradable outer box	Yes

FURTHER INFORMATION AVAILABLE ON REQUEST

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Commercial Name Intended/Recommended use	Quest Plus Sanitising Agent	Supplier Address	Unico Ltd North Main Street, Carronshore, Falkirk FK2 8HT
Issue Date	Jan 2021	Telephone	01324 573400
Issue Number	8	Fax	01324 573401

2. HAZARDS IDENTIFICATION

2.1 Classification

This product has been reviewed with a view to being classified under EC 1272/2008. There is not sufficient evidence to warrant such classification but some precautions are included in this document.

Physical and Chemical Hazards	Not Classified
Human Health	may be harmful and affect tissue
Environment	Acute & chronic marine toxicity

2.1 Label Elements



Signal Word Hazard Statements	Danger H302 Harmful if swallowed H312 Harmful in contact with skin H314 Causes severe skin burns and eye damage H400 Very toxic to aquatic life H412 Harmful to aquatic life with long lasting effects
Precautionary Statements	P102 Keep out of reach of children. P103 Read label before use. EUH 210 Safety data sheet available on request. P264 Wash hands thoroughly after handling. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P332 + P313 If skin irritation occurs: Get medical advice/attention. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P281 Use personal protective equipment as required. Wear eye protection when handling concentrated product. Wear rubber/impervious gloves for skin protection when handling concentrated product.

3. COMPOSITION OF PRODUCT AND INFORMATION ON INGREDIENTS

3.1 Mixtures

Concentrations below the concentration limit for classification in mixtures means that substance not reaching this does not need to be classified. Those that do not reach this concentration will still be included as indicative advice only.

Fatty Alcohol Ethoxylate		1-10%
CAS-No.: 68439-46-3	EC No.: --	
Classification (EC 1272/2008)		
Eye Damage 1 . H318	Acute 4 . H302	
Alkyl Dimethyl Benzyl Ammonium Chloride		1-10%
CAS-No.: 68424-85-1	EC No.: 270-325-2	
Classification (EC 1272/2008)		
Eye Damage 1 . H318	Acute 4 . H312 Acute 4 . H302	Skin & Eye 1B . H314 Acute Aqu. 1 . H400

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Sodium Metasilicate		1 . 10%				
CAS-No.: 6834-92-0		EC No.: 229-912-9				
Classification (EC 1272/2008) Eye Damage 1 . H318		Skin Irritant 2 . H315 STOT 3 . H335	Aquatic Chronic 3 . H412			
NAME						
Tetrasodium EDTA	RANGE 0.1-1%	EINECS 200-573-9	CAS No 64-02-8	Conc. Limit for Classification 1%		
Perfume (Parfum)	0.1-1%	Mixed	Mixed	1%		
C.I. 19140 Yellow 5	<0.1%	217-699-5	1934-21-0	1%		
C.I. 61585	<0.1%	224-748-	4474-24-2	1%		
4. FIRST AID MEASURES						
4.1 Description of first aid measures						
Ingestion	Drink a glass of water to dilute product. Do not induce vomiting. Act immediately to prevent further irritation of mouth, throat and stomach mucosa.					
Inhalation	If irritation is experienced go in open air and ventilate area. Mouth and throat to be rinsed thoroughly with water. Any irritation requires medical attention					
Eye Contact	Check for and remove contact lenses. Rinse thoroughly with plenty of water for several minutes. If reddening is evident continue rinsing while awaiting medical attention.					
Skin Contact	Rinse affected area with water, if needed apply a cold compress to relieve irritation.					
4.2 Most important symptoms and effects, both acute & chronic						
Where irritation of tissue occurs, stinging and redden accompanied by some discomfort for a short period after exposure. No Chronic effects known						
4.3 Indication of any immediate medical attention and special treatment needed						
If irritation to the mouth, throat, stomach, skin, eyes or respiratory system occurs and doesn't subside within a few minutes after the first aid measures have been carried out, seek immediate medical advice and have this SDS or the product label to hand.						
A cold compress can be used to alleviate skin irritation.						
5. FIRE FIGHTING MEASURES						
5.1 Suitable extinguishing media	This product is not flammable. Use fire extinguishing media appropriate for surrounding area.					
Unsuitable extinguishing media	Not applicable.					
5.2 Special hazards arising from the substance or mixture	Fumes may contain poisonous oxides of carbon and nitrogen (CO _x & NO _x) if affected by fire.					
5.3 Advice for firefighters	Use appropriate extinguishing media for fires in the area. Firefighters should wear self-contained breathing apparatus if heat generated breakdown products are likely to be present					
6. ACCIDENTAL RELEASE MEASURES						
6.1 Personal precautions, protective equipment and emergency procedures						
Wear protective clothing and eyeshields. Ventilate the area.						
6.2 Environmental Precautions						
Avoid spillage into surface water drains, soil / subsoil or vegetation.						
6.3 Methods and material for containment and cleaning up						
Hose away with plenty of water, diluting well, unless this would contaminate a water source or vegetation. In which case either collect, dilute as earlier and pour down waste drain (foul sewer) or absorb onto dry sand or similar material and dispose of safely as commercial waste.						
7. HANDLING AND STORAGE						

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7.1 Handling	Take care when dispensing product from container and assure adequate ventilation and the use of PPE to protect eyes and skin. Avoid contact with skin and eyes. Do not mix with any other chemicals.
7.2 Storage	Store upright in original containers in a cool dry area out of the reach of children.
7.3 Specific end use(s)	Use only as directed by the front page of this document and the product label

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Name	STD	TWA . 8 Hrs		STEL . 15 Min		Comments

Note: No Substances above 1% in the product with a listed exposure limit

8.2 Exposure Control

Respiratory Protection	Personal protection is not normally required unless a risk assessment indicates the need for it .In which case wear a facemask with a suitable filter.
Skin Protection	Personal protection is required for the handling and use of the concentrate. Personal protection not normally required once diluted unless a risk assessment indicates the need for it .In which case wear protective overalls and safety shoes/boots.
Eye Protection	Personal protection is required for the handling and use of the concentrate in the form of a face shield. Personal protection is not normally required unless a risk assessment indicates the need for it .Wear eyeshields.
Hand Protection	Rubber or nitrile gloves required for concentrate handling & use. Same is recommended for use of the diluted product if the user has sensitive skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Yellow/Orange Liquid	Flash Point (ACC)	-
Odour	Orange	Viscosity (20C)	10 cp approx
pH	12.5 typically	Water Solubility	Soluble
Boiling Point	Approx 100°C	Explosive Properties	None
Oxidising Properties	None	Vapour Pressure	Not Applicable
Fat Solubility	Forms emulsion.	Relative Density	1.04

10. STABILITY AND REACTIVITY

10.1 Reactivity	Will react with acids
10.2 Chemical Stability	No stability concerns
10.3 Hazardous Reactions	May be exothermic when in contact with acids
10.4 Conditions to Avoid	Extreme heat or cold
10.5 Incompatible Materials	None known.
10.6 Hazardous decomposition products	None when handled and stored correctly.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

Consideration is only given to components with greater than 1% based on the product formulation and those with a listed exposure limit in Section 8.

Acute Toxicity – Corrosive to tissue and eyes. Very toxic to aquatic life

Component	LD-50, Oral, mg/kg	LD-50, Skin mg/kg	LC-50 (Inhalation)	Chronic Consideration
Alcohol Ethoxylate	1000-2000 (rat)	1000-2000 (rabbit)	-	None known
Alkyl Dimethyl Benzyl Ammonium Chloride	305 (Rat)	930 (Rat)	54-510 mg/m ³ (IDLH)	None known

Chronic Toxicity

Carcinogenicity	There are no known carcinogenic chemicals in this product
Sensitization	No information available.
Mutagenic Effects	No information available
Reproductive Effects	No information available.
Developmental Effects	No information available.
Target Organs	None known
Endocrine Disruptor Info.	No information available.

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Other Adverse Effects Alcohol Ethoxylate is above 0.1% concentration and therefore has to be classified and included due to its Acute Aquatic rating.
The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity effects

Component	Toxicity to Fish LC-50, mg/l	Exposure Time, Hrs	Comments
Alcohol Ethoxylate	4.01 (Daphnia)	48	
Alkyl Dimethyl Benzyl Ammonium Chloride	0.28 (Fish)	-	Limited data

12.2 Persistence and Degradability

The components contained in this preparation are biodegradable

12.3 Bioaccumulation Potential

With the current information available, when used for its intended purpose this product will not cause adverse effects in the environment.

12.4 Mobility in soil

No information available

12.5 Aquatic Toxicity

With the current information available, this is rated as having Acute Toxicity potential but is close to the classification end point for the component that has this rating. Therefore the residual risk is judged to be low.

12.6 Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Discharge used working solutions to drain is acceptable in small amounts due to the dilution of running water by at least a factor of 10..

Concentrated product must be sent for disposal using a licensed waste disposal contractor.

Rinse out empty container with water and consign to normal waste. Washing must provide at least a 10 fold dilution of any material left in the container.

14. TRANSPORT

Not regulated for Transport

15. REGULATORY INFORMATION

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

EU legislation

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

Guidance

Workplace Exposure Limits EH40.

The National Institute for Occupational Safety and Health (NIOSH) register of Immediately Dangerous to Life or Health Concentrations (IDLH)

16. OTHER INFORMATION

This product does not require any special training before use. Usage and handling instructions are mentioned on packaging and on the first page of this Safety Data Sheet .This health and safety information refers to the concentrated product and has been prepared assuming the intended described use is adhered to. Any unusual or novel use of this product is done without being assessed for the impact nor is it part of the considerations in this document.

Diluted solutions can be considered to be significantly less hazardous although they should always be handled with care.

Key literature references and sources for data

Safety Data Sheet, Misc. manufacturers.

CLP Classification - Table 3.1 List of harmonised classification and labelling of hazardous substances.

CHIP Classification - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.

ECHA - C&L Inventory database.

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Revision comments

This product is now using classification from GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

Revision date 01/05/2017

The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases / Hazard Statements relating to this Product see Section 2.

Hazard statements in full

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 damage
H335 May cause respiratory irritation
H400 Very toxic to aquatic life
H412 Harmful to aquatic life with long lasting effects.