

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, Candidas 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 wastebins 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

PRODUCT SAFE HANDLING SHEET UNICO

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 01324 573400 01324 573401 |
| Issue Date Issue Number | May '15 7 | Telephone Fax | |

2. HAZARDS IDENTIFICATION

2.1 Classification This product has no classification according to Chemicals (Hazard Information Packaging and Supply) Regulations 2002.

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. The major component is a

| | |
|-------------------------------|----------------------------------|
| 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 if in contact with skin
H314 Causes skin burns & eye damage
H400 Very toxic to aquatic life
H412 Harmful to aquatic life with long lasting effects

Precautionary Statements

P102 - Keep out of the Reach of Children
P103 - Please read the label information before use.
EUH 210 - Safety data sheet available on request.
P264 Wash 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 continuously 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 piece protection when handling concentrated product.
Rubber /impervious Gloves for skin protection. When handling concentrated product

3. COMPOSITION OF PRODUCT AND INFORMATION ON INGREDIENTS

2.1 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 |

PRODUCT SAFE HANDLING SHEET **UNICO**

| | | |
|--|---|--------------------------|
| 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 |

| <u>NAME</u> | <u>RANGE</u> | <u>EINECS</u> | <u>CAS No</u> | <u>Conc. Limit for Classification</u> |
|---------------------|--------------|---------------|---------------|---------------------------------------|
| Tetrasodium EDTA | 0.1-1% | 200-573-9 | 64-02-8 | 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.

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7. HANDLING AND STORAGE

- 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

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Endocrine Disruptor Info. No information available.

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.