

# SAFETY DATA SHEET

compiled according to Regulation (EC) No. 453/2010  
**Compilation date:** 02/06/20 **Revision:**

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## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### 1.1. Product identifier

Product form: Mixture  
**Trade name :** **LEMSAN Lemon Disinfectant**  
Product group : Trade product  
Product code : **TC112**

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use  
Function or use category : Washing and cleaning products (including solvent based products).  
Disinfectant for drains, sinks, toilets, urinals and washable surfaces such as floors, walls and tiles.

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

**Company Name:** Mangrove Professional  
PO Box 3348  
ST16 9NW  
Tel: 01785 253702  
Email: [info@mangroveprofessional.co.uk](mailto:info@mangroveprofessional.co.uk)

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

#### 2.1.1 Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 1: H319

#### 2.1.2 Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R36

### 2.2 Label Elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard Pictograms (CLP)



Signal word (CLP): Warning  
Hazard Statements (CLP): H319 Causes serious eye irritation

Precautionary Statements (CLP): P102 Keep out of reach of children.  
P280 Wear eye protection.  
P301 IF SWALLOWED:  
P313 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.  
P337+P313 If eye irritation persists: Get medical advice/attention.

The full texts for all R-, H- and EUH-phrases are displayed in Section 16 'Other Information'.

## 2.3 Other Hazards

Other hazards not contributing to the classification: No presence of PBT and vPvB ingredients.

## 3. Composition/information on ingredients:

Common Name	CAS No. / EC No.	Classification According to Directive 67/548/EEC	Conc (%)
Alcohol Ethoxylate 6.5MEO	68439-45-2 n/a	Xn; R22, Xi; R41	0.1 - 1
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	68424-85-1 270-325-2	Xn;R21/22. C;R34. N;R50.	0.1 - 1

Common Name	CAS No. / EC No.	Classification According to (EC) 1272/2008 (CLP)	Conc (%)
Alcohol Ethoxylate 6.5MEO	68439-45-2 n/a	Acute Tox. 4: H302 Eye Dam.1: H318	0.1 - 1
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	68424-85-1 270-325-2	Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	0.1 - 1

The full texts for all R-, H- and EUH-phrases are displayed in Section 16 'Other Information'.

## 4. First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : IF INHALED: Unlikely route of exposure as the product does not contain volatile substances. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention. Discontinue use of product.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs: Get medical advice/attention.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Call a doctor if in prolonged discomfort.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause coughing, sneezing.

Symptoms/injuries after skin contact : May cause Redness. Dryness. Itching.

Symptoms/injuries after eye contact : May cause Redness. May cause temporary discomfort.

Symptoms/injuries after ingestion : May cause discomfort.

### 4.3. Indication of any immediate medical attention and special treatment needed

Refer to section 4.1.

## 5. Fire fighting measures

**Extinguishing media:** Product itself is not explosive or flammable. The product itself will not burn. If anything, packaging may be involved in a fire. Use CO<sub>2</sub>, dry chemical powder, alcohol resistant foam or other media appropriate for materials actually involved in the fire. If water is used, contain run-off.

**Special hazards:** When heated sufficiently, product may decompose to form smoke and toxic fumes.

**Special protective equipment:** Fire fighters should wear approved self-contained breathing apparatus and full protective clothing.

## 6. Accidental release measures

### Personal precautions:

Avoid contact with skin and eyes. For appropriate personal protection see section 8.

**Environmental precautions:**

Although this product is suitable for down the drain disposal it is advised that as much of the liquid is contained before final dispersal of any residue with water.

**Methods and material for containment and clean-up:**

Prevent leakage into sewers or surface water by utilising bunding, absorbent booms, drain covers and soil or sand dikes. Contact appropriate environmental protection agencies, (Environment Agency in the UK) and local water authorities if significant contamination occurs.

For large spills: pump spillage into suitable plastic containers and rework/dispose as per local legislation. For small spills: use non-combustible absorbent and shovel into container for disposal.

**7. Handling and storage****Precautions for safe handling:**

Avoid contact with neat product on eyes. Wear protective clothing as per section 8.

**Storage precautions:**

Store in closed original container in a cool and dry area.

**8. Exposure controls / personal protection****8.1. Control parameters**

8.1.1. National limit values: No additional information available

**8.2. Exposure controls**

8.2.1. Appropriate engineering controls: Not applicable.

8.2.2. Personal protective equipment

Hand protection: Not applicable.

Eye protection: Wear eye/face protection.

Skin and body protection: Not applicable.

Respiratory protection: Not applicable.

8.2.3. Environmental exposure controls: Not available

**9. Physical and chemical properties**

Appearance: Clear Yellow Coloured Liquid

Odour: Lemon Citrus

pH (10% aqueous solution) : ca. 7

Melting point: Not determined

Boiling point: 100°C

Flash point: Not combustible

Evaporation rate: Not determined

Flammability: Not combustible

Explosive properties: Non-Explosive

Oxidising properties: Non-Oxidising

Vapour pressure/density: Not determined

Relative density: ca. 1

Water solubility: high

Partition coefficient: Not determined

Auto ignition temperature: Not combustible

Decomposition temperature: Not determined

Viscosity: Not determined

**10. Stability and reactivity****Stability:**

Stable under normal conditions.

**Conditions to avoid:**

None

**Materials to avoid:**

Do not mix with other cleaning products unless advised to do so by a professional from the industry.

**11. Toxicological information**

**Acute toxicity:** Not toxic by ingestion, dermal contact or inhalation. May cause vomiting if very large quantities are ingested. Do not induce vomiting.

**Irritation/corrosivity:** Possibility of irritation to eyes. If irritant effects are seen, these will be mild to moderate, depending on exposure. If in contact with eyes flushing with water is recommended.

**Sensitisation:** Does not provoke a sensitisation reaction.

**Repeated dose toxicity:** Repeated exposure to low levels will not cause adverse effects.

**Carcinogenicity/mutagenicity/teratogenicity:** Based on available data the classification criteria are not met.

## 12. Ecological information

On the basis of raw materials and comparable substances contained in the product the following ecological evaluation is obtained.

**Ecotoxicity:** This product is intended for wide dispersive use, is not considered harmful to aquatic organisms and is compatible with the down-the-drain disposal route.

**Persistence and degradability:** This product has not been found to cause long-term adverse effects in the environment. The surfactants used in this product are biodegradable in line with the requirements of EU Detergent Regulation (EC) No 648/2004. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Bioaccumulative potential:** The surfactant ingredients of this product are not expected to bioaccumulate.

**Mobility in soil:** Not determined.

## 13. Disposal considerations

Consumer products ending up down the drain after use. Observe safe handling precautions and local legislation.

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation EC/648/2004 on detergents. Larger volume of than 5 litres must be sent for disposal by approved waste contractor. Rinse out empty container with water and consign to normal waste/ recycling.

## 14. Transport information

**UN No:** None

**Classification:** Not classified as hazardous for transport.

**UN proper shipping name:** None

**Transport hazard class:** Not subject to ADR/IATA/IMDG/RID codes.

**Packing group:** None

**Environmental hazards:** None

**Special precautions for user:** None

## 15. Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions. Contains no substance on the REACH candidate list

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## 16. Other information

Usage and handling instructions are not mentioned on this Material Safety Data Sheet. The labelling of the product is indicated in Section 2.2.

The full text of the R-, H- and EUH-phrases indicated in this safety data sheet are as follows:

R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed
R34	Causes burns.
R36	Irritating to eyes
R41	Risk of serious damage to eyes
R50	Very toxic to aquatic organisms.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

H319 Causes serious eye irritation.  
H400 Very toxic to aquatic life.

The information given has been compiled with reference to the Chemicals (Hazard Information & Packaging For Supply) Regulations (CHIP4) 2009 as amended, the Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH) Regulations, as amended, the Control of Substances Hazardous to Health Regulations (COSHH) 2002, as amended, and Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. This information also harmonises the provisions and criteria for the classification and labelling of substances, mixtures and certain specific articles within the Community, taking into account the classification criteria and labelling rules of the GHS.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.