SAFETY DATA SHEET
LIME DISINFECTANT

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name
LIME DISINFECTANT
Product number
A015 EV
Internal identification
Janitorial

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses
Neutral, Quaternary Ammonium based Disinfectant.

1.3. Details of the supplier of the safety data sheet
Supplier
Evans Vanodine International
Brierley Road
Walton Summit
Preston, UK. PR5 8AH
Tel: 01772 322 200
Fax: 01772 626 000
qclab@evansvanodine.co.uk

1.4. Emergency telephone number
Emergency telephone
New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri. (Also available 24/7 from our website www.evansvanodine.co.uk) Technical Advice - 8.30am to 4.45pm - 01772 318 818 - Mon to Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards
Not Classified
Health hazards
Eye Irrit. 2 - H319
Environmental hazards
Aquatic Chronic 3 - H412

2.2. Label elements
Pictogram
⚠️

Signal word
Warning
Hazard statements
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.
**LIME DISINFECTANT**

**Precautionary statements**

- 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.
  - P501 Dispose of contents/ container in accordance with local regulations.

**2.3. Other hazards**

This product does not contain any substances classified as PBT or vPvB.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C12-15 ALCOHOL ETHOXYLATE (7EO)</strong></td>
<td>0.1-1%</td>
</tr>
<tr>
<td>CAS number: 68131-39-5</td>
<td></td>
</tr>
<tr>
<td>M factor (Acute) = 1</td>
<td></td>
</tr>
</tbody>
</table>

**Classification**

- Acute Tox. 4 - H302
- Eye Dam. 1 - H318
- Aquatic Acute 1 - H400

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ALKYL (C12-16) DIMETHYL BENZYL AMMONIUM CHLORIDE</strong></td>
<td>0.1-1%</td>
</tr>
<tr>
<td>CAS number: 68424-85-1</td>
<td>EC number: 270-325-2</td>
</tr>
<tr>
<td>M factor (Acute) = 10</td>
<td>M factor (Chronic) = 1</td>
</tr>
</tbody>
</table>

**Classification**

- Acute Tox. 4 - H302
- Skin Corr. 1B - H314
- Eye Dam. 1 - H318
- Aquatic Acute 1 - H400
- Aquatic Chronic 1 - H410

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ALCOHOL (C9-11) ETHOXYLATE (8EO)</strong></td>
<td>0.1-1%</td>
</tr>
<tr>
<td>CAS number: 68439-45-2</td>
<td></td>
</tr>
<tr>
<td>Alternative CAS No 13598-36-2</td>
<td></td>
</tr>
</tbody>
</table>

**Classification**

- Acute Tox. 4 - H302
- Eye Dam. 1 - H318

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**
LIME DISINFECTANT

Inhalation
Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion
Do not induce vomiting. Give plenty of water to drink. Get medical attention if any discomfort continues.

Skin contact
Wash with plenty of water.

Eye contact
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
No specific symptoms known.

Ingestion
No specific symptoms known. But - May cause discomfort if swallowed.

Skin contact
No specific symptoms known. But prolonged or excessively repeated skin contact could lead to removal of natural oils from skin.

Eye contact
May cause temporary eye irritation. Prolonged contact may cause redness and/or tearing.

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

Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture
Specific hazards
Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.

5.3. Advice for firefighters
Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Personal precautions
Wear eye and face protection. For personal protection, see Section 8.

6.2. Environmental precautions
Environmental precautions
Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up
Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections
Reference to other sections
For personal protection, see Section 8.
SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Oxidising materials.

7.3. Specific end use(s)

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

Usage description
See Product Information Sheet & Label for detailed use of this product.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Ingredient comments
No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment

Appropriate engineering controls
Not relevant.

Eye/face protection
Wear eye protection.

Hand protection
No specific hand protection noted, but protection for the skin is advisable to prevent removal of natural oils from skin.

Other skin and body protection
None required.

Respiratory protection
Respiratory protection not required.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Liquid.

Colour
Clear, Green.

Odour
Citrus.

pH
pH (concentrated solution): 7.50

Melting point
0°C

Initial boiling point and range
100°C @ 760 mm Hg

Flash point
Boils without flashing.

Relative density
1.000 @ 20°C

Solubility(ies)
Soluble in water.

9.2. Other information

Other information
None.
LIME DISINFECTANT

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Reactivity
There are no known reactivity hazards associated with this product.

**10.2. Chemical stability**

Stability
No particular stability concerns.

**10.3. Possibility of hazardous reactions**

Possibility of hazardous reactions
See sections 10.1, 10.4 & 10.5

**10.4. Conditions to avoid**

Conditions to avoid
There are no known conditions that are likely to result in a hazardous situation.

**10.5. Incompatible materials**

Materials to avoid
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

**10.6. Hazardous decomposition products**

Hazardous decomposition products
No known hazardous decomposition products.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

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.

Other health effects
Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

**SECTION 12: Ecological Information**

**12.1. Toxicity**

Toxicity
We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

**12.2. Persistence and degradability**

Persistence and degradability
The surfactant(s) contained in this product complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

**12.3. Bioaccumulative potential**

Bioaccumulative potential
The product does not contain any substances expected to be bioaccumulating.

**12.4. Mobility in soil**

Mobility
Not known.

**12.5. Results of PBT and vPvB assessment**

Results of PBT and vPvB assessment
This product does not contain any substances classified as PBT or vPvB.

**12.6. Other adverse effects**
LIME DISINFECTANT

Other adverse effects Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal by approved waste contractor. Rinse out empty container with water and consign to normal waste.

SECTION 14: Transport information

General Not classified for Transport.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

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


15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

SECTION 16: Other information


Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Acute = Hazardous to the aquatic environment (acute)
Eye Dam. = Serious eye damage
Skin Corr. = Skin corrosion

Key literature references and sources for data Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. ECHA - C&L Inventory database.

Classification procedures according to Regulation (EC) 1272/2008 Calculation Method.
LIME DISINFECTANT

Revision comments
Addition of Environmental Statement(s) due to change in M-Factor of a Raw Material. & Safety Data Sheet amended in accordance with REACH Commission Regulation (EU) No 2015/830 amendment. (Changes to Sections 2,3,15&16)

Revision date
14/12/2017

Revision
7

SDS status
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 Hazard Statements relating to this Product see Section 2.

Hazard statements in full
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.