

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** EVOFOG

**Product code:** AF7907

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

**Use of substance / mixture:** Disinfectant

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

**Company name:** Kilco (International) Ltd  
Broomhouses 2 Industrial Estate  
Old Glasgow Road  
Lockerbie  
DG11 2SD  
United Kingdom

**Tel:** +44 (0) 157 620 5480

**Email:** [sds@kilco.co.uk](mailto:sds@kilco.co.uk)

**1.4. Emergency telephone number**

**Emergency tel:** +44 (0) 207 858 1228 (English)

+44 (0)203 394 9877 (Other)

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Skin Sens. 1A: H317; STOT SE 3: H335

**Most important adverse effects:** Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

**Hazard pictograms:** GHS07: Exclamation mark

GHS08: Health hazard

# SAFETY DATA SHEET

EVOFOG

Page: 2



**Signal words:** Danger

**Precautionary statements:** P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P302+352: IF ON SKIN: Wash with plenty of water/.  
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321: Specific treatment (see instructions on this label).

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

##### GLUTARALDEHYDE

| EINECS    | CAS      | PBT / WEL | CLP Classification   | Percent |
|-----------|----------|-----------|--|---------|
| 203-856-5 | 111-30-8 | -         | Acute Tox. 2: H330; Acute Tox. 3: H301; STOT SE 3: H335; Skin Corr. 1B: H314; Resp. Sens. 1: H334; Skin Sens. 1A: H317; Aquatic Acute 1: H400; Aquatic Chronic 2: H411 | 1-10%   |

##### CHLORHEXIDINE DIGLUCONATE

|           |            |   |  |     |
|-----------|------------|---|--|-----|
| 242-354-0 | 18472-51-0 | - | Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 | <1% |
|-----------|------------|---|--|-----|

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

**Skin contact:** There may be irritation and redness at the site of contact.

[cont...]

# SAFETY DATA SHEET

EVOFOG

Page: 3

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

[cont...]

# SAFETY DATA SHEET

EVOFOG

Page: 4

## 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

## 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**GLUTARALDEHYDE**

**Workplace exposure limits:**

**Respirable dust**

| State | 8 hour TWA            | 15 min. STEL          | 8 hour TWA | 15 min. STEL |
|-------|-----------------------|-----------------------|------------|--------------|
| UK    | 0.2 mg/m <sup>3</sup> | 0.2 mg/m <sup>3</sup> | -          | -            |

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Pale yellow

**Odour:** Alcoholic

**Oxidising:** Non-oxidising (by EC criteria)

**Flammability limits %:** lower: Not applicable.

**upper:** Not applicable.

**Flash point°C:** Not applicable.

**Relative density:** 1.00 - 1.03

**pH:** 5.5 - 7.5

### 9.2. Other information

**Other information:** Not applicable.

## Section 10: Stability and reactivity

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# SAFETY DATA SHEET

EVOFOG

Page: 5

## 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

## 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

## 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

## 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

## 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Hazardous ingredients:

##### GLUTARALDEHYDE

|     |     |      |       |       |
|-----|-----|------|-------|-------|
| ORL | MUS | LD50 | 100   | mg/kg |
| ORL | RAT | LD50 | 134   | mg/kg |
| SCU | RAT | LD50 | >750  | mg/kg |
| SKN | RAT | LD50 | >2500 | mg/kg |

##### CHLORHEXIDINE DIGLUCONATE

|      |     |      |       |       |
|------|-----|------|-------|-------|
| ORAL | RAT | LD50 | >2000 | mg/kg |
|------|-----|------|-------|-------|

#### Relevant hazards for product:

| Hazard                         | Route | Basis                 |
|--------------------------------|-------|-----------------------|
| Skin corrosion/irritation      | DRM   | Hazardous: calculated |
| Serious eye damage/irritation  | OPT   | Hazardous: calculated |
| Respiratory/skin sensitisation | INH   | Hazardous: calculated |
| STOT-single exposure           | INH   | Hazardous: calculated |

## Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

[cont...]

# SAFETY DATA SHEET

EVOFOG

Page: 6

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

#### CHLORHEXIDINE DIGLUCONATE

|         |          |            |      |
|---------|----------|------------|------|
| ALGAE   | 72H IC50 | 0.01       | mg/l |
| DAPHNIA | 48H EC50 | 0.05 - 0.1 | mg/l |
| FISH    | 96H LC50 | 10.4       | mg/l |

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

**Specific regulations:** Not applicable.

[cont...]

# SAFETY DATA SHEET

EVOFOG

Page: 7

## 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

**Phrases used in s.2 and s.3:** H301: Toxic if swallowed.  
H314: Causes severe skin burns and eye damage.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H330: Fatal if inhaled.  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335: May cause respiratory irritation.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.  
H411: Toxic to aquatic life with long lasting effects.  
H412: Harmful to aquatic life with long lasting effects.

**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.