



## SAFETY DATA SHEET EST-EEM

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

#### 1.1. Product identifier

<b>Product name</b>	EST-EEM
<b>Product number</b>	A026 EV
<b>Internal identification</b>	Professional Hygiene
<b>Synonyms; trade names</b>	BPR Notification Number : Malta: 2017-09-27-B01a
<b>UFI</b>	UFI: GM63-9G80-U60X-C298

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

<b>Identified uses</b>	Quaternary Ammonium based Liquid Disinfectant, for the Food Industry.
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#### 1.3. Details of the supplier of the safety data sheet

<b>Supplier</b>	<b>UK Supplier:</b>	<b>EU Supplier:</b>
	Evans Vanodine International plc	Evans Vanodine Europe
	Brierley Road,	6-9 Trinity Street, Dublin 2.
	Walton Summit,	D02 EY47.
	Preston. UK. PR5 8AH	Republic of Ireland.
	Tel: 01772 322 200	
	e-mail: productcompliance@evansvanodine.co.uk	

#### 1.4. Emergency telephone number

<b>Emergency telephone</b>	New Safety Data Sheets - 01772 322 200 - Mon to Thur. 8.30am to 4.30pm - Fri 8.30am to 1.30pm (Also available 24/7 from our website <a href="http://www.evansvanodine.co.uk">www.evansvanodine.co.uk</a> ) For Technical Advice about this SDS - 01772 318 818 - Mon to Thur 8.30am to 4.45pm - Fri 8.30am to 1.30pm
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<b>National emergency telephone number</b>	For Health Care Professionals only - For use in UK: Contact the National Poisons Information Service for further advice. For use in the Republic of Ireland: To report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166). For use in Malta: Emergency services (Ambulance, Fire and Rescue, Police) : 112
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### SECTION 2: Hazards identification

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

##### Classification (SI 2019 No. 720)

<b>Physical hazards</b>	Not Classified
<b>Health hazards</b>	Skin Irrit. 2 - H315 Eye Dam. 1 - H318
<b>Environmental hazards</b>	Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

#### 2.2. Label elements

**EST-EEM****Hazard pictograms****Signal word**

Danger

**Hazard statements**

H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H400 Very toxic to aquatic life.  
 H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of reach of children.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P301 IF SWALLOWED:  
 P313 Get medical advice/ attention.  
 P302+P352 IF ON SKIN: Wash with plenty of 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.  
 P315 Get immediate medical advice/ attention.  
 P501 Dispose of contents/ container in accordance with local regulations.

**Contains**

ALKYL (C12-16) DIMETHYL BENZYL AMMONIUM CHLORIDE

**2.3. Other hazards**

This product does not contain any substances classified as PBT or vPvB. Including - Endocrine disrupting properties: None known.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>C12-15 ALCOHOL ETHOXYLATE (7EO)</b>	<b>3-5%</b>
CAS number: 68131-39-5	
M factor (Acute) = 1	
<b>Classification</b>	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	
<b>ALKYL (C12-16) DIMETHYL BENZYL AMMONIUM CHLORIDE</b>	<b>3-5%</b>
CAS number: 68424-85-1	
EC number: 270-325-2	
M factor (Acute) = 10	
M factor (Chronic) = 1	
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

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

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**Ingredient notes** ENVIRONMENTAL INFORMATION - This product contains amongst other ingredients :  
 Less than 5% Cationic Surfactant. / Disinfectants ( Dimethyl Benzyl Ammonium Chloride )  
 Less than 5% Nonionic Surfactant.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**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.

**Skin contact** Wash with plenty of water. Get medical attention if irritation persists after washing.

**Eye contact** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention immediately.

#### 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** Irritation of nose, throat and airway.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Causes skin irritation. Prolonged and frequent contact may cause redness and irritation.

**Eye contact** Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

#### 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 protective clothing, gloves, 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

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**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**      For handling undiluted product: Wear protective clothing, gloves, eye and face protection.

### 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**      Wear protective gloves. (Household rubber gloves.)

**Other skin and body protection**      Wear appropriate clothing to prevent any possibility of skin contact.

**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. Colourless.

**Odour**      Faint surfactant

**pH**      pH (concentrated solution): 12.5

**Melting point**      -1°C

**Initial boiling point and range**      101°C @ 760 mm Hg

**Flash point**      Boils without flashing.

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<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	1.014 @ 20°C
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	Not applicable.
<b>Viscosity</b>	Not available.
<b><u>9.2. Other information</u></b>	
<b>Other information</b>	None.
<b>Particle size</b>	Not applicable.

### 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.

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)**                      Based on available data the classification criteria are not met.

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<b>ATE oral (mg/kg)</b>	4,133.91
<b><u>Acute toxicity - dermal</u></b>	
<b>Summary</b>	Not applicable.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Summary</b>	Not applicable.
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Causes serious eye damage.
<b><u>Respiratory sensitisation</u></b>	
<b>Summary</b>	Not applicable.
<b><u>Skin sensitisation</u></b>	
<b>Summary</b>	Not applicable.
<b><u>Germ cell mutagenicity</u></b>	
<b>Summary</b>	Not applicable.
<b><u>Carcinogenicity</u></b>	
<b>Summary</b>	Not applicable.
<b><u>Reproductive toxicity</u></b>	
<b>Summary</b>	Not applicable.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>Summary</b>	Not applicable.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>Summary</b>	Not applicable.
<b><u>Aspiration hazard</u></b>	
<b>Summary</b>	Not applicable.
<b>11.2 Information on other Hazards 11.2.1 Endocrine disrupting properties</b>	None known.

### SECTION 12: Ecological information

<b>Ecotoxicity</b>	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
<b><u>12.1. Toxicity</u></b>	
<b>Toxicity</b>	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.
<b><u>12.2. Persistence and degradability</u></b>	
<b>Persistence and degradability</b>	The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended). and UK Regulation: SI 2020 No. 1617 "The Detergents (Amendment) (EU Exit) Regulations 2020".
<b><u>12.3. Bioaccumulative potential</u></b>	

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

**Partition coefficient**              Not applicable.

### 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 Endocrine disrupting properties**      None known.

### 12.6. Other adverse effects

**Other adverse effects**              Now section 12.7: None 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 as special waste. Rinse out empty container with water and consign to normal waste.

## SECTION 14: Transport information

**General**                                  5L As supplied, this product is consigned under the Limited Quantities provisions.

### 14.1. UN number

**UN No. (ADR/RID)**                      3082

**UN No. (IMDG)**                         3082

**UN No. (ICAO)**                         3082

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)**      ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkyl dimethyl benzyl ammonium chloride)

**Proper shipping name (IMDG)**      ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkyl dimethyl benzyl ammonium chloride)

**Proper shipping name (ICAO)**      ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkyl dimethyl benzyl ammonium chloride)

### 14.3. Transport hazard class(es)

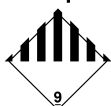
**ADR/RID class**                         Class 9: Environmentally Hazardous Substance

**ADR/RID label**                         9

**IMDG class**                             Class 9: Environmentally Hazardous Substance

**ICAO class/division**                 Class 9: Environmentally Hazardous Substance

### Transport labels



### 14.4. Packing group

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ADR/RID packing group III

IMDG packing group III

ICAO packing group III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS F-A, S-F

ADR transport category 3

Tunnel restriction code (-)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not relevant. for a packaged product.

Annex II of MARPOL 73/78 and the IBC Code

## SECTION 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 EU Regulation: "REACH Commission Regulation (EU) No 2020/878 (which amends Regulation (EC) No 2015/830, 453/2010 & 1907/2006)." and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020".

The product is as classified under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020".

Ingredients are listed with classification under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020".

### 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

**Abbreviations and acronyms used in the safety data sheet** PBT: Persistent, Bioaccumulative and Toxic substance.  
vPvB: Very Persistent and Very Bioaccumulative.  
ATE: Acute Toxicity Estimate.  
REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.  
GHS: Globally Harmonized System.

**Classification abbreviations and acronyms** Acute Tox. = Acute toxicity  
Aquatic Acute = Hazardous to the aquatic environment (acute)  
Aquatic Chronic = Hazardous to the aquatic environment (chronic)  
Eye Dam. = Serious eye damage  
Skin Corr. = Skin corrosion  
Skin Irrit. = Skin irritation



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<b>Key literature references and sources for data</b>	Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. ECHA - C&L Inventory database.
<b>Classification procedures according to SI 2019 No. 720</b>	Calculation Method.
<b>Revision comments</b>	New Format Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2020/878 (which amends Regulation (EC) No 453/2010 & 1907/2006). - No change in Product Classification. (Changes made to sections 2,3,9,11,12,15+16)
<b>Revision date</b>	10/12/2022
<b>Revision</b>	12
<b>SDS status</b>	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.
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. 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.