



## SAFETY DATA SHEET EST-EEM RTU

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

#### 1.1. Product identifier

|                                |                      |
|--------------------------------|----------------------|
| <b>Product name</b>            | EST-EEM RTU          |
| <b>Product number</b>          | A148 EV              |
| <b>Internal identification</b> | Professional Hygiene |

#### 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. |
|------------------------|---|

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

#### 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 |
|----------------------------|--|

|  |   |
|--|---|
| <b>National emergency telephone number</b> | For Health Care Professionals only -<br>For use in UK: Contact the National Poisons Information Service for further advice.<br>For use in the Republic of Ireland: To report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166).<br>For use in Malta: Emergency services (Ambulance, Fire and Rescue, Police) : 112 |
|--|---|

### 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>        | Not Classified |
| <b>Environmental hazards</b> | Not Classified |

#### 2.2. Label elements

|                                 |   |
|---------------------------------|---|
| <b>Hazard statements</b>        | NC Not Classified   |
| <b>Precautionary statements</b> | P102 Keep out of reach of children.<br>P301 IF SWALLOWED:<br>P313 Get medical advice/ attention.<br>P501 Dispose of contents/ container in accordance with local regulations. |

#### 2.3. Other hazards

## EST-EEM RTU

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

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

|  |               |
|--|---------------|
| <b>C12-15 ALCOHOL ETHOXYLATE (7EO)</b> | <b>0.1-1%</b> |
|--|---------------|

CAS number: 68131-39-5

M factor (Acute) = 1

#### Classification

Acute Tox. 4 - H302

Eye Dam. 1 - H318

Aquatic Acute 1 - H400

|   |               |
|---|---------------|
| <b>ALKYL (C12-16) DIMETHYL BENZYL AMMONIUM CHLORIDE</b> | <b>0.1-1%</b> |
|---|---------------|

CAS number: 68424-85-1

EC number: 270-325-2

M factor (Acute) = 10

M factor (Chronic) = 1

#### Classification

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.

**Composition comments**            The ingredients are present in non-hazardous concentrations.

**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 if any discomfort continues.

**Skin contact**                         Wash with plenty of water.

**Eye contact**                         Remove any contact lenses and open eyelids wide apart. Rinse with water.

#### 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.

## EST-EEM RTU

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

**Eye contact** No specific symptoms known. 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** No special protective clothing. (See Sec 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** No specific recommendations.

### **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).

## EST-EEM RTU

### 8.2. Exposure controls

|   |  |
|---|--|
| <b>Appropriate engineering controls</b> | Not relevant.  |
| <b>Eye/face protection</b>              | No specific eye protection required during normal use. |
| <b>Hand protection</b>                  | Hand protection not required.                          |
| <b>Other skin and body protection</b>   | None required.   |
| <b>Respiratory protection</b>           | Respiratory protection not required.                   |

## SECTION 9: Physical and chemical properties

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

|  |                                   |
|--|-----------------------------------|
| <b>Appearance</b>                      | Liquid.                           |
| <b>Colour</b>                          | Clear. Colourless.                |
| <b>Odour</b>                           | Faint surfactant                  |
| <b>pH</b>                              | pH (concentrated solution): 10.50 |
| <b>Melting point</b>                   | 0°C                               |
| <b>Initial boiling point and range</b> | 100°C @ 760 mm Hg                 |
| <b>Flash point</b>                     | Boils without flashing.           |
| <b>Relative density</b>                | 1.000 @ 20°C                      |
| <b>Solubility(ies)</b>                 | Soluble in water.                 |

### 9.2. Other information

|                          |       |
|--------------------------|-------|
| <b>Other information</b> | None. |
|--------------------------|-------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|                   |   |
|-------------------|---|
| <b>Reactivity</b> | There are no known reactivity hazards associated with this product. |
|-------------------|---|

### 10.2. Chemical stability

|                  |                                   |
|------------------|-----------------------------------|
| <b>Stability</b> | No particular stability concerns. |
|------------------|-----------------------------------|

### 10.3. Possibility of hazardous reactions

|   |                               |
|---|-------------------------------|
| <b>Possibility of hazardous reactions</b> | See sections 10.1,10.4 & 10.5 |
|---|-------------------------------|

### 10.4. Conditions to avoid

|                            |   |
|----------------------------|---|
| <b>Conditions to avoid</b> | There are no known conditions that are likely to result in a hazardous situation. |
|----------------------------|---|

### 10.5. Incompatible materials

|                           |  |
|---------------------------|--|
| <b>Materials to avoid</b> | No specific material or group of materials is likely to react with the product to produce a hazardous situation. |
|---------------------------|--|

### 10.6. Hazardous decomposition products

|   |  |
|---|--|
| <b>Hazardous decomposition products</b> | No known hazardous decomposition products. |
|---|--|

## SECTION 11: Toxicological information

## EST-EEM RTU

### 11.1. Information on toxicological effects

|                              |  |
|------------------------------|--|
| <b>Toxicological effects</b> | 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. |
| <b>Other health effects</b>  | Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.  |

## SECTION 12: Ecological information

|                    |  |
|--------------------|--|
| <b>Ecotoxicity</b> | Not regarded as dangerous for the environment. |
|--------------------|--|

### 12.1. Toxicity

|                 |  |
|-----------------|--|
| <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. |
|-----------------|--|

### 12.2. Persistence and degradability

|                                      |   |
|--------------------------------------|---|
| <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". |
|--------------------------------------|---|

### 12.3. Bioaccumulative potential

|                                  |   |
|----------------------------------|---|
| <b>Bioaccumulative potential</b> | The product does not contain any substances expected to be bioaccumulating. |
|----------------------------------|---|

### 12.4. Mobility in soil

|                 |            |
|-----------------|------------|
| <b>Mobility</b> | Not known. |
|-----------------|------------|

### 12.5. Results of PBT and vPvB assessment

|   |   |
|---|---|
| <b>Results of PBT and vPvB assessment</b> | This product does not contain any substances classified as PBT or vPvB. |
|---|---|

### 12.6. Other adverse effects

|                              |            |
|------------------------------|------------|
| <b>Other adverse effects</b> | Not known. |
|------------------------------|------------|

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                         |   |
|-------------------------|---|
| <b>Disposal methods</b> | 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. Consign empty container to normal waste. |
|-------------------------|---|

## SECTION 14: Transport information

|                |                               |
|----------------|-------------------------------|
| <b>General</b> | Not classified for Transport. |
|----------------|-------------------------------|

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Not regulated.

### 14.4. Packing group

Not applicable.

## EST-EEM RTU

### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

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 2015/830 (which amends Regulation (EC) No 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  
Met. Corr. = Corrosive to metals  
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 labelling of hazardous substances. ECHA - C&L Inventory database.

#### Classification procedures according to SI 2019 No. 720

Calculation Method.

#### Revision comments

New Formulation, no changes to product classification. (Changes made to sections 1,3,9+16)

#### Revision date

22/06/2022

## EST-EEM RTU

|                                  |  |
|----------------------------------|--|
| <b>Revision</b>                  | 9  |
| <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.<br>H314 Causes severe skin burns and eye damage.<br>H318 Causes serious eye damage.<br>H400 Very toxic to aquatic life.<br>H410 Very toxic to aquatic life with long lasting effects.                         |