



## SAFETY DATA SHEET E.M.C. PLUS

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

#### 1.1. Product identifier

|                         |             |
|-------------------------|-------------|
| Product name            | E.M.C. PLUS |
| Product number          | A080 EV     |
| Internal identification | Janitorial  |

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

|                 |   |
|-----------------|---|
| Identified uses | Heavy Duty, Alkaline Cleaner for Safety Floor Cleaning and Floor Maintenance. |
|-----------------|---|

#### 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 <a href="http://www.evansvanodine.co.uk">www.evansvanodine.co.uk</a> ) 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        | Skin Irrit. 2 - H315 Eye Dam. 1 - H318 |
| Environmental hazards | Not Classified                         |

#### 2.2. Label elements

##### Pictogram



|                   |   |
|-------------------|---|
| Signal word       | Danger  |
| Hazard statements | H315 Causes skin irritation.<br>H318 Causes serious eye damage. |

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|                                 |   |
|---------------------------------|---|
| <b>Precautionary statements</b> | <p>P102 Keep out of reach of children.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301 IF SWALLOWED:</p> <p>P313 Get medical advice/ attention.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P315 Get immediate medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with local regulations.</p> |
|---------------------------------|---|

**Contains** SODIUM METASILICATE

### 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

|  |             |
|--|-------------|
| <b>SODIUM METASILICATE</b>                                       | <b>3-5%</b> |
| CAS number: —  |             |
| <b>Classification</b>  |             |
| Skin Corr. 1B - H314   |             |
| Eye Dam. 1 - H318  |             |
| <b>SODIUM DODECYL BENZENE SULPHONATE</b>                         | <b>3-5%</b> |
| CAS number: 68411-30-3                      EC number: 270-115-0 |             |
| <b>Classification</b>  |             |
| Acute Tox. 4 - H302  |             |
| Skin Irrit. 2 - H315   |             |
| Eye Dam. 1 - H318  |             |
| Aquatic Chronic 3 - H412   |             |
| <b>ALCOHOL (C9-11) ETHOXYLATE (8EO)</b>                          | <b>1-3%</b> |
| CAS number: 68439-45-2   |             |
| Alternative CAS No 13598-36-2                                    |             |
| <b>Classification</b>  |             |
| Acute Tox. 4 - H302  |             |
| Eye Dam. 1 - H318  |             |

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|   |                      |  |               |
|---|----------------------|--|---------------|
| <b>SODIUM (C12-14) ALKYL ETHOXY SULPHATE</b>  |                      |  | <b>0.1-1%</b> |
| CAS number: 68891-38-3  | EC number: 500-234-8 | REACH registration number: 01-2119488639-16-0020 |               |
| Spec Conc Limits :- Eye Dam. 1 (H318) >=30%, Eye Irrit. 2 (H319) >10% <30%, NC (Not Classified) <=10%   |                      |  |               |
| <b>Classification</b>   |                      |  |               |
| Skin Irrit. 2 - H315  |                      |  |               |
| Eye Dam. 1 - H318   |                      |  |               |
| Aquatic Chronic 3 - H412  |                      |  |               |
| <b>SODIUM CUMENE SULPHONATE</b>   |                      |  | <b>0.1-1%</b> |
| CAS number: 15763-76-5  | EC number: 239-854-6 |  |               |
| <b>Classification</b>   |                      |  |               |
| Eye Irrit. 2 - H319   |                      |  |               |
| <b>SODIUM HYDROXIDE</b>   |                      |  | <b>0.1-1%</b> |
| CAS number: 1310-73-2   | EC number: 215-185-5 | REACH registration number: 01-2119457892-27-xxxx |               |
| Spec Conc Limits :- Skin Corr. 1A (H314) >= 5 %, Skin Corr. 1B (H314) >=2% <5 %, Skin Irrit. 2 (H315) >=0.5%<2%, Eye Irrit. 2 (H319) >=0.5% <2% |                      |  |               |
| <b>Classification</b>   |                      |  |               |
| Met. Corr. 1 - H290   |                      |  |               |
| Skin Corr. 1A - H314  |                      |  |               |
| 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**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | 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. |
| <b>Ingestion</b>    | Do not induce vomiting. Give plenty of water to drink. Get medical attention.  |
| <b>Skin contact</b> | Wash with plenty of water. Get medical attention if irritation persists after washing.   |
| <b>Eye contact</b>  | 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**

|                            |   |
|----------------------------|---|
| <b>General information</b> | The severity of the symptoms described will vary dependent on the concentration and the length of exposure. |
| <b>Inhalation</b>          | Irritation of nose, throat and airway.  |
| <b>Ingestion</b>           | May cause discomfort if swallowed.  |
| <b>Skin contact</b>        | Causes skin irritation. Prolonged and frequent contact may cause redness and irritation.                    |
| <b>Eye contact</b>         | Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.             |

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### 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

**Methods for cleaning up**                      Flush away spillage with plenty of water. Small Spillages: 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**                      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. & Acids.

#### 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

##### Occupational exposure limits

##### **SODIUM HYDROXIDE**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

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### 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   | 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. Pink.                      |
| Odour                           | Odourless.                        |
| pH                              | pH (concentrated solution): 12.50 |
| Melting point                   | -1°C                              |
| Initial boiling point and range | 101°C @ 760 mm Hg                 |
| Flash point                     | Boils without flashing.           |
| Relative density                | 1.057 @ 20°C                      |
| Solubility(ies)                 | Soluble in water.                 |

#### 9.2. Other information

|                   |       |
|-------------------|-------|
| Other information | None. |
|-------------------|-------|

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

|            |   |
|------------|---|
| Reactivity | Reactions with the following materials may generate heat: Strong acids. |
|------------|---|

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

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### 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.

**ATE oral (mg/kg)** 17,054.49

## SECTION 12: Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment.

### 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

**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 as special waste. 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

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### 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

#### EU legislation

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006).

The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

### 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: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

GHS: Globally Harmonized System.

Spec Conc Limits = Specific Concentration Limits.

#### Classification abbreviations and acronyms

Acute Tox. = Acute toxicity

Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Eye Dam. = Serious eye damage

Eye Irrit. = Eye irritation

Met. Corr. = Corrosive to metals

NC (Not Classified)

Skin Corr. = Skin corrosion

Skin Irrit. = Skin irritation

#### 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.

#### Revision comments

Safety Data Sheet amended in accordance with REACH Commission Regulation (EU) No 2015/830 amendment. (Changes to Sections 2,3,15&16)

#### Revision date

01/08/2017

#### 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.

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### **Hazard statements in full**

H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.