# EMC PLUS

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

### 1.1 - Product identifier

Trade name/designation

| | |
|---|---|
| Chemical name | EMC PLUS |
| Product-type | Mixture |
| Product code | A080 EV - Professional Hygiene |
| UFI: | WX35-DFWE-1WNC-NN80 |

SDS also conforms with UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020".

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

Relevant identified uses

- Heavy Duty, Alkaline Cleaner for Safety Floor Cleaning and Floor Maintenance.
- Suitable for use in the food Industry.

### 1.3 - Details of the supplier of the safety data sheet

UK Supplier: Evans Vanodine International plc,
Brierley Road, Walton Summit, Preston, UK. PR5 8AH

Telephone : +44 (0) 1772 322 200
Website www.evansvanodine.co.uk
Evans E-Mail: productcompliance@evansvanodine.co.uk

Distributor

EU Supplier: Evans Vanodine Europe (FR), 3 Boulevard de Belfort, 1st Floor, Lille, 59000, France.
Tel: +33 (0)3 76 04 21 87

### 1.4 - Emergency telephone number

- For Health Care Professionals only:
For use in the Republic of Ireland: To report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166 – 8am to 10pm every day).
For use in Malta: Emergency services (Ambulance, Fire and Rescue, Police) : 112.
For use in UK: Contact the National Poisons Information Service for further advice. United Kingdom

New Safety Data Sheets - 01772 322 200 - Mon to Thurs 8.30am to 4.30pm & Fri 8.30am to 1.30pm.
(Also available 24/7 from our website www.evansvanodine.co.uk
For Technical Advice about this SDS - 01772 318 818 - Mon to Thurs 8.00am to 5.30pm.

## SECTION 2: Hazards identification

### 2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

| | |
|---|---|
| Skin Irrit. 2 | Irritation, Category 2 |
| Eye Dam. 1 | Serious eye damage, Category 1 |

### 2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: Sodium Metasilicate {disodium trioxosilicate}

Signal word : Danger

Hazard pictograms



Hazard statements

| | |
|---|---|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |

Precautionary statements

| | |
|---|---|
| P280 | Wear eye protection/face protection/protective clothing/protective gloves. |
| 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 container/contents in accordance with local regulation. |
| P102 | Keep out of reach of children. |

EUH-phrases : None

### 2.3 - Other hazards

PBT substances

vPvB substances

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

## SECTION 3: Composition / information on ingredients

### 3.1 - Substances

Not applicable

### 3.2 - Mixtures

| Chemical name | No. | % | Class(es) | Information on the substance |
|---|---|---|---|---|
| Sodium Metasilicate {disodium trioxosilicate} | CAS No. :<br>Index No. :<br>EC No. :<br>REACH No. : Exempt | 3 - 5 | Eye Dam. 1 - H318<br>Skin Corr. 1B - H314 | (a) |
| C12-15 Alcohol Ethoxylate (7EO) | CAS No. : 68131-39-5 (Alt 157627-86-6)<br>Index No. :<br>EC No. :<br>REACH No. : Exempt | 1 - 3 | Acute Tox. 4 Oral - H302<br>Aquatic Acute 1 - H400<br>Eye Dam. 1 - H318 | M-factor: 1<br>ATE oral 301<br>(a) |

(a) Substance contributing to the classification

(b) Substance with exposure limite value

| Chemical name | No. | % | Class(es) | Information on the substance |
|---|---|---|---|---|
| sodium hydroxide {caustic soda} | CAS No. : 1310-73-2<br>Index No. : 011-002-00-6<br>EC No. : 215-185-5<br>REACH No. :<br>01-2119457892-27-xxxx | 0.1 - 1 | Skin Corr. 1A - H314 | Skin Corr. 1A - H314 : 5<=%<=100<br>Skin Corr. 1B - H314 : 2<=%<5<br>Skin Irrit. 2 - H315 : 0.5<=%<2<br>Eye Irrit. 2 - H319 : 0.5<=%<2 (a) |

(a) Substance contributing to the classification

(b) Substance with exposure limite value

## SECTION 4: First aid measures

### 4.1 - Description of first aid measures

| | |
|---|---|
| Following 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. |
| Following skin contact | - Wash immediately with:Water |
| After eye contact | - Rinse immediately with plenty of water. Remove any contact lenses, if present and easy to do, continue to rinse with eyelids apart. Get medical attention immediately. |
| After ingestion | - Do NOT induce vomiting.<br>- Give plenty of water to drink. Get medical attention if any discomfort continues. |

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

| | |
|---|---|
| Symptoms and effects - Following inhalation | - Irritation of nose, throat and airway |
| Symptoms and effects - Following skin contact | - Causes skin irritation. |
| Symptoms and effects - After eye contact | - Severe eye irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage. |
| Symptoms and effects - After ingestion | - May cause discomfort if swallowed. |

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

- General information: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
- 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. |
| Unsuitable extinguishing media | - None |

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

| | |
|---|---|
| Special hazards arising from the substance or mixture | - Thermal decomposition or combustion products may include the following substances:<br>- Irritating gases or vapours. |

### 5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.
- Wear a self-contained breathing apparatus and chemical protective clothing.
- Do not allow run-off from fire-fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

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

| | |
|---|---|
| For non-emergency personnel | - Use personal protection equipment.<br>- See section 8.2 |

### 6.2 - 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 and material for cleaning up | - Small Spillages: Flush away spillage with plenty of water to drain.<br>- 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

- Disposal: See section 13
- Personal protection equipment: see section 8
- Safe handling: See section 7

## SECTION 7: Handling and storage

### 7.1 - Precautions for safe handling

| | |
|---|---|
| Recommendation | - For handling undiluted product:<br>- Wear protective clothing, gloves, eye and face protection. |
| Advices on general occupational hygiene | - Avoid contact with skin, eyes and clothes. |

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

- Keep/store only in original container.
- Keep container tightly closed in a cool, well-ventilated place.
- Store away from the following materials:
- Oxidising materials.

### 7.3 - Specific end use(s)

- See section 1.2 of the SDS.
- See Product Information Sheet and Label for detailed use of this product.

## SECTION 8: Exposure controls/personal protection

### 8.1 - Control parameters

| sodium hydroxide {caustic soda} (1310-73-2) | |
|---|---|
| STEL EH40 mg/m³ (UK) | 2 mg/m³ |

### 8.2 - Exposure controls

Appropriate engineering controls: - Not relevant.

Individual protection measures, such as personal protective equipment:

- Eye protection



- Protective gloves



- (Household rubber gloves.)
- Wear appropriate clothing to prevent any possibility of skin contact.
- Respiratory protection not required.

## SECTION 9: Physical and chemical properties

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

| | | | |
|---|---|---|---|
| Physical state | Liquid | Appearance | Thin liquid |
| Colour | pink | Odour | odourless |

| | |
|---|---|
| Odour threshold | No data available |
| pH | 12.5 |
| Melting point | -1 °C |
| Freezing point | No data available |
| Boiling point | 101 °C |
| Flash point | Not applicable |
| Evaporation rate | No data available |
| flammability | Not applicable |
| Lower explosion limit | Not applicable |
| Upper explosion limit | Not applicable |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative density | 1.053 |
| Density | No data available |
| Solubility (Water) | Soluble |
| Solubility (Ethanol) | No data available |
| Solubility (Acetone) | No data available |
| Solubility (Organic solvents) | No data available |

| | |
|---|---|
| Log KOC | Not applicable<br>Partition coefficient n-octanol/water (Log value) |
| Auto-ignition temperature | Not applicable |
| Decomposition temperature | No data available |
| Kinematic viscosity | No data available |
| Dynamic viscosity | No data available |

Particle characteristics

| | |
|---|---|
| Particle size | Not applicable |
| Dustiness | No data available |
| Specific surface area | No data available |
| Shape | No data available |

### 9.2 - Other information

| | |
|---|---|
| VOC content | 0 % |
| Minimum ignition energy | No data available |
| Conductivity | No data available |
| Refractive index | No data available |
| Solids content | No data available |
| Surface tension | No data available |
| Saturation concentration | No data available |

- No data available.

## SECTION 10: Stability and reactivity

### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

### 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

### 10.4 - Conditions to avoid

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

### 10.5 - Incompatible materials

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

### 10.6 - Hazardous decomposition products

- No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

ATE oral : 17053.53 ATE dermal : - ATE Inhalation Dust/Mist : -
ATE Inhalation Vapor : - ATE Inhalation Gas : -

| | |
|---|---|
| LD50 oral (rat) | Not applicable |
| LD50 dermal (rat) | Not applicable |
| LD50 dermal (rabbit) | Not applicable |
| LC50 inhalation gas (rat) | Not applicable |
| LC50 inhalation dusts and mists (rat) | Not applicable |
| LC50 inhalation vapours (rat) | Not applicable |

- ATE being >2000 = Not classified.
- Based on available data, the classification criteria are not met.
- The evaluation was carried out according to the calculation method.
- No animal testing has been carried out for this product. Any ATE figures quoted 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.
- Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

Skin corrosion/irritation - Irritation, Category 2 - Causes skin irritation.

- The evaluation was carried out according to the calculation method.

Serious eye damage/eye irritation - Serious eye damage, Category 1 - Causes serious eye damage.

- The evaluation was carried out according to the calculation method.

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

### 11.2 - Information on other hazards

- None known.
- 11.2.1 Endocrine disrupting properties - None known.

## SECTION 12: Ecological information

### 12.1 - Toxicity

Toxicity : Mixture

| | |
|---|---|
| EC50 48 hr crustacea | Not applicable |
| LC50 96 hr fish | Not applicable |
| ErC50 algae | Not applicable |

| | |
|---|---|
| ErC50 other aquatic plants | Not applicable |
| EL50 48 hr crustacea | No data available |
| LL50 96 hr fish | No data available |
| NOEC chronic fish | Not applicable |
| NOEC chronic crustacea | Not applicable |
| NOEC chronic algae | Not applicable |
| NOEC chronic other aquatic plants | Not applicable |

- Not classified as dangerous for the environment.

- The evaluation was carried out according to the calculation method.

- No Aquatic testing carried out, therefore no Aquatic Toxicity Data available 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

| | |
|---|---|
| Biochemical oxygen demand (BOD) | No data available |
| Chemical oxygen demand (COD) | No data available |
| % of biodegradation in 28 days | No data available |

- The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations No 648/2004 (as amended). and UK Regulation: SI 2020 No. 1617 "The Detergents (Amendment) (EU Exit) Regulations 2020".

### 12.3 - Bioaccumulative potential

| | |
|---|---|
| Bioconcentration factor (BCF) | No data available |
| Log KOC | Not applicable<br>Partition coefficient n-octanol/water (Log value) |

- There is no bioaccumulating substance in the product.

### 12.4 - Mobility in soil

- No data available.

### 12.5 - Results of PBT and vPvB assessment

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

### 12.6 - Endocrine disrupting properties

- This product does not contain any substances that are identified as having endocrine distrupting properties.

### 12.7 - Other adverse effects

- None

## SECTION 13: Disposal considerations

### 13.1 - Waste treatment methods

| | |
|---|---|
| Waste treatment 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

14.1 - UN number or ID number
Not applicable

14.2 - UN proper shipping name
Not applicable

14.3 - Transport hazard class(es)
Not applicable

14.4 - Packing group
Not applicable

14.5 - Environmental hazards
Not applicable

14.6 - Special precautions for user
Not applicable

14.7 - Maritime transport in bulk according to IMO instruments
Not applicable

- Not relevant for a packaged product.

## SECTION 15: Regulatory information

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

| | |
|---|---|
| Substances REACH candidates | None |
| Substances Annex XIV | None |
| Substances Annex XVII | None |
| VOC content | 0 % |

- 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 Regulation: "SI 2020 No. 1577 - The REACH etc. (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." (which amends SI 2019 No.720).

- The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations No 648/2004 (as amended). and UK Regulation: SI 2020 No. 1617 "The Detergents (Amendment) (EU Exit) Regulations 2020"

15.2 - Chemical Safety Assessment

| | |
|---|---|
| Chemical safety assessment carried out for the product | - No chemical safety assessment has been carried out as not applicable as this product is a mixture. |

## SECTION 16: Other information

SDS versions

# EMC PLUS

| Version | Issue date | Author | Description of the amendments |
|---|---|---|---|
| 13 | 05/08/2026 | | New Formulation,<br>- No change in Product Classification.<br>(Changes made to sections 1,3+16) |

Abbreviations and acronyms

- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- LC50: Lethal Concentration to 50 % of a test animals.
- LOEC: Lowest Observed Effect Concentration.
- LD50: Lethal Dose to 50% of a test animals.
- LOEL: Lowest Observed Adverse Effect Level.
- DNEL: Derived no-effect level.
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- IMDG: International Maritime Dangerous Goods.
- EC No: European Community number
- NOEC: No Observed Effect Concentration.
- NOEL: No observable effect level.
- CAS No.: Chemical Abstracts Service number.
- ICAO: International Civil Aviation Organization
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC: Predicted no-effect concentration.
- RID: International Carriage of Dangerous Goods by Rail.
- STEL: Short-term exposure limit
- TWA: Time weighted average
- OEL: Occupational exposure limit.
- vPvB: very Persistent and very Bioaccumulative.

Data sources:

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.

Evaluation methods

For Methods used for Classification: See sections 11.1 for Health & 12.1 for Environmental.

Texts of the regulatory sentences

| | |
|---|---|
| Acute Tox. 4 Oral | Acute toxicity (oral) - Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment - Aquatic Acute 1 |
| Eye Dam. 1 | Serious eye damage, Category 1 |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| Skin Corr. 1A | Skin corrosion, Category 1A |
| Skin Corr. 1B | Skin corrosion, Category 1B |
| Skin Irrit. 2 | Irritation, Category 2 |

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