

# SAFETY DATA SHEET

## Cement Based Products

Date of issue: 10/04/2025

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) &amp; 2020/878

Version: 1.0

### 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product name

Cement Based Products

Unique Formula Identifier (UFI)

|                                   |                     |
|-----------------------------------|---------------------|
| Blue Circle Postcrete             | 7DE2-J0U4-W00E-MUHF |
| Blue Circle Multipurpose Concrete | WRE2-K0KR-400E-86UQ |
| Blue Circle Slablayer             | XWE2-K0YH-R00D-KW0U |
| Blue Circle Slablayer Plus        | 30F2-30NX-100W-87KW |
| Blue Circle Masterlay             | X5F2-401Q-N00V-KWS1 |

Nanoform

The product does not contain nanoparticles.

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

Identified Use(s)

Various cement uses

Uses advised against

Anything other than the above.

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

Company Identification

Tarmac Packed Products

Ground Floor

T3 Trinity Park

Bickenhill Lane

Birmingham

West Midlands

B37 7ES

United Kingdom

+44 (0)345 812 6232

info-cement@tarmac.com

Telephone

E-mail (competent person)

#### 1.4 Emergency telephone number

Emergency Phone No.

+44 (0)345 812 6232 (08:30 – 16:00)

Language(s) spoken:

English

### 2. SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)

Skin Corr. 1; H314

Skin Sens. 1; H317

Eye Dam. 1; H318

STOT Single Exp. 3; H335

#### 2.2 Label elements

Product name

According to Regulation (EC) No. 1272/2008 (CLP).

Contains:

Cement Based Products

Ordinary Portland Cement (OPC)

Hazard Pictogram(s)



Signal Word(s)

DANGER

Hazard Statement(s)

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H335: May cause respiratory irritation.

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Precautionary Statement(s)

P102: Keep out of reach of children.  
P260: Do not breathe dust.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P501: Dispose of contents/container according to national/local hazardous waste disposal regulations.

Supplemental information

Not applicable

### 2.3 Other hazards

Not classified as PBT or vPvB. Does not cause endocrine disruption.

## 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures

EC Classification Regulation (EC) No. 1272/2008 (CLP)

| Chemical identity of the substance | %W/W      | CAS No.    | EC No.    | REACH Registration No.               | Hazard Statement(s)                                                                        |
|------------------------------------|-----------|------------|-----------|--------------------------------------|--------------------------------------------------------------------------------------------|
| Ordinary Portland Cement (OPC)     | 25 - < 35 | 65997-15-1 | 266-043-4 | Not yet assigned in the supply chain | Skin Irrit. 2; H315<br>Skin Sens. 1B; H317<br>Eye Dam. 1; H318<br>STOT Single Exp. 3; H335 |

Note: For full text of H phrases see section 16.

## 4. SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

Self-protection of the first aider

No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Do not breathe dust. Ensure operatives are trained to minimise exposures. Avoid contact with skin and eyes. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If unconscious but breathing normally, place in recovery position and seek medical advice. Wash contaminated clothing before reuse.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin contact

IF ON SKIN or hair: Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER/doctor.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Ingestion

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person.

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

Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation.

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

Treat symptomatically.

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### 5. SECTION 5: FIREFIGHTING MEASURES

- 5.1 Extinguishing media**  
Suitable extinguishing media  
Unsuitable extinguishing media  
**5.2 Special hazards arising from the substance or mixture**  
**5.3 Advice for firefighters**
- Extinguish with carbon dioxide, dry chemical, foam or waterspray.  
Do not use water jet. Direct water jet may spread the fire.  
Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature. Decomposition products: Carbon monoxide, Carbon dioxide.  
Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**  
**6.2 Environmental precautions**  
**6.3 Methods and material for containment and cleaning up**  
**6.4 Reference to other sections**
- No action should be taken involving personal risk. Absorb spillage to prevent material damage. Ensure suitable personal protection during removal of spillages. Do not breathe dust. Avoid contact with skin and eyes. Ensure adequate ventilation. Wear appropriate personal protective equipment, avoid direct contact. Remove contaminated clothing and wash all affected areas with plenty of water. Wash contaminated clothing before reuse.  
Avoid release to the environment.  
Small spills should be vacuumed when possible (vacuum cleaner must be explosion proof). A vacuum equipped with HEPA (high efficiency particulate air) filtration is recommended. Dry sweeping is not recommended. If necessary, light water spray will reduce dust for dry sweeping, but over-wetting may produce very slippery walking surfaces. Transfer to a container for disposal. Wash the spillage area with water.  
See Section: 8,13

### 7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling**  
**7.2 Conditions for safe storage, including any incompatibilities**  
**7.3 Specific end use(s)**
- Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wash contaminated clothing before reuse.  
Bulk storage should be in a purpose-built silo. Keep container tightly closed. Keep in a well ventilated place. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.  
Keep cool. Protect from sunlight. Keep only in original packaging.  
Incompatible with acid, ammonium salts, aluminium and other non-noble metals.  
See Section: 1.2

### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**  
**8.1.1 Occupational exposure limits**

| SUBSTANCE                   | CAS No.    | LTEL (8 hr TWA ppm) | LTEL (8 hr TWA mg/m <sup>3</sup> )       | STEL (ppm) | STEL (mg/m <sup>3</sup> ) | Note |
|-----------------------------|------------|---------------------|------------------------------------------|------------|---------------------------|------|
| Cement, portland, chemicals | 65997-15-1 | -                   | 10 (Inhalable Dust); 4 (Respirable Dust) | -          | -                         | -    |

Source: WEL: Workplace exposure limit (IOELV: Indicative Occupational Exposure Limit Values)

- 8.1.2 Biological Limit Value** Not established

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|       |                                                                       |                                                                                                                                                                                                                              |
|-------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8.1.3 | PNECs and DNELs                                                       | Not established                                                                                                                                                                                                              |
| 8.2   | Exposure controls                                                     |                                                                                                                                                                                                                              |
| 8.2.1 | Appropriate engineering controls                                      | Provide adequate ventilation, including appropriate local extraction if dusts, fumes or vapours are likely to be evolved. Guarantee that the eye flushing systems and safety showers are located close to the working place. |
| 8.2.2 | Individual protection measures, such as personal protective equipment | Avoid contact with skin and eyes. Keep good industrial hygiene. Do not eat, drink or smoke at the work place. Wash hands thoroughly after handling. Remove contaminated clothing and wash it before reuse.                   |

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye / face protection



Use eye protection according to EN 166, designed to protect against dusts.

Skin protection



Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested to EN374 with an acceptable permeation test. Contaminated gloves should be carefully rinsed with water before reuse. Wear boots.

Respiratory protection



Respiratory protection is not necessary if room is well ventilated. In case of inadequate ventilation wear respiratory protection. An approved dust mask should be worn if exposure to levels above the occupational exposure limit is likely.

Thermal hazards

Not applicable.

|       |                                 |                                   |
|-------|---------------------------------|-----------------------------------|
| 8.2.3 | Environmental exposure controls | Avoid release to the environment. |
|-------|---------------------------------|-----------------------------------|

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|                                                          |                                              |
|----------------------------------------------------------|----------------------------------------------|
| Physical state                                           | Powder                                       |
| Colour                                                   | Not determined                               |
| Odour                                                    | Slight                                       |
| Melting point/freezing point                             | 1250 (typical)                               |
| Boiling point or initial boiling point and boiling range | Not applicable                               |
| Flammability                                             | Not determined                               |
| Lower and upper explosion limit                          | Not determined                               |
| Flash point                                              | Not determined                               |
| Auto-ignition temperature                                | Not determined                               |
| Decomposition temperature                                | Not determined                               |
| pH                                                       | 11-13.5                                      |
| Kinematic viscosity                                      | Not applicable                               |
| Solubility                                               | The substance is sparingly soluble in water. |
| Partition coefficient: n-octanol/water (log value)       | Not determined                               |
| Vapour pressure                                          | Not determined                               |
| Density and/or relative density                          | Not determined                               |
| Relative vapour density                                  | 3.0 (typical)                                |
| Particle characteristics                                 | Not determined                               |

|     |                   |            |
|-----|-------------------|------------|
| 9.2 | Other information | None Known |
|-----|-------------------|------------|

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### 10. SECTION 10: STABILITY AND REACTIVITY

|      |                                    |                                                                                                                                |
|------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 10.1 | Reactivity                         | Stable under normal conditions                                                                                                 |
| 10.2 | Chemical stability                 | Stable under normal conditions                                                                                                 |
| 10.3 | Possibility of hazardous reactions | None anticipated. Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature. |
| 10.4 | Conditions to avoid                | Avoid contact with acid. Keep away from heat and direct sunlight.                                                              |
| 10.5 | Incompatible materials             | Incompatible with acid, ammonium salts, aluminium and other non-noble metals.                                                  |
| 10.6 | Hazardous decomposition products   | Carbon monoxide, Carbon dioxide                                                                                                |

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

|        |                                                                          |                                                                                                                                                            |
|--------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11.1   | Information on hazard classes as defined in Regulation (EC) No 1272/2008 |                                                                                                                                                            |
|        | Acute toxicity - Ingestion                                               | Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw          |
|        | Acute toxicity - Inhalation                                              | Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LC50 >5 mg/l (Dust/Mist)     |
|        | Acute toxicity - Skin contact                                            | Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw          |
|        | Skin corrosion/irritation                                                | Mixture: Skin Corr. 1; H314: Causes severe skin burns and eye damage.                                                                                      |
|        | Ordinary Portland Cement (OPC)                                           | Skin Irrit. 2; H315: Causes skin irritation.                                                                                                               |
|        | Serious eye damage/irritation                                            | Extreme ph. See section 9                                                                                                                                  |
|        | Ordinary Portland Cement (OPC)                                           | Mixture: Eye Dam. 1; H318: Causes serious eye damage.                                                                                                      |
|        | Respiratory or skin sensitisation                                        | EU classification and labelling inventory                                                                                                                  |
|        | Ordinary Portland Cement (OPC)                                           | Mixture: Skin Sens. 1; H317: May cause an allergic skin reaction.                                                                                          |
|        | Germ cell mutagenicity                                                   | EU classification and labelling inventory                                                                                                                  |
|        | Carcinogenicity                                                          | Mixture: Based upon the available data, the classification criteria are not met.                                                                           |
|        | Reproductive toxicity                                                    | Mixture: Based upon the available data, the classification criteria are not met.                                                                           |
|        | STOT - single exposure                                                   | Mixture: STOT SE 3; H335: May cause respiratory irritation.                                                                                                |
|        | Ordinary Portland Cement (OPC)                                           | STOT SE 3; H335: May cause respiratory irritation.                                                                                                         |
|        | STOT - repeated exposure                                                 | EU classification and labelling inventory                                                                                                                  |
|        | Aspiration hazard                                                        | Mixture: Based upon the available data, the classification criteria are not met.                                                                           |
| 11.2   | Information on other hazards                                             |                                                                                                                                                            |
| 11.2.1 | Endocrine disrupting properties                                          | Mixture: Based upon the available data, the classification criteria are not met.                                                                           |
| 11.2.2 | Other information                                                        | This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria. None Known. |

### 12. SECTION 12: ECOLOGICAL INFORMATION

|      |                                    |                                                                                                                                                              |
|------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12.1 | Toxicity                           | Mixture: Based upon the available data, the classification criteria are not met.                                                                             |
| 12.2 | Persistence and degradability      | No data for the mixture as a whole.                                                                                                                          |
|      | Ordinary Portland Cement (OPC)     | Not applicable for inorganic substances.                                                                                                                     |
| 12.3 | Bioaccumulative potential          | No data for the mixture as a whole.                                                                                                                          |
|      | Ordinary Portland Cement (OPC)     | Not applicable for inorganic substances.                                                                                                                     |
| 12.4 | Mobility in soil                   | No data for the mixture as a whole.                                                                                                                          |
|      | Ordinary Portland Cement (OPC)     | No data available                                                                                                                                            |
| 12.5 | Results of PBT and vPvB assessment | Not classified as PBT or vPvB.                                                                                                                               |
| 12.6 | Endocrine disrupting properties    | This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria. |
| 12.7 | Other adverse effects              | None Known                                                                                                                                                   |

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### 13. SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Dispose of this material and its container as hazardous waste. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Disposal should be in accordance with local, state or national legislation.

Waste classification according to Directive 2008/98/EC (Waste Framework Directive)

HP 4; Irritant — skin irritation and eye damage.  
HP5; Specific Target Organ Toxicity (STOT)/Aspiration Toxicity  
HP8; Corrosive  
HP 13; Sensitising.

### 14. SECTION 14: TRANSPORT INFORMATION

|                                                              | ADR/RID                                                      | IMDG                                                         | IATA/ICAO                                                    |
|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|
| 14.1 UN number or ID number                                  | 1759                                                         | 1759                                                         | 1759                                                         |
| 14.2 UN proper shipping name                                 | CORROSIVE SOLID<br>N.O.S (Ordinary<br>Portland Cement (OPC)) | CORROSIVE SOLID<br>N.O.S (Ordinary<br>Portland Cement (OPC)) | CORROSIVE SOLID<br>N.O.S (Ordinary<br>Portland Cement (OPC)) |
| 14.3 Transport hazard class(es)                              | 8                                                            | 8                                                            | 8                                                            |
| 14.4 Packing group                                           | III                                                          | III                                                          | III                                                          |
| 14.5 Environmental hazards                                   | Not classified                                               | Not classified as a<br>Marine Pollutant.                     | Not classified                                               |
| 14.6 Special precautions for user                            | See section 2                                                |                                                              |                                                              |
| 14.7 Maritime transport in bulk according to IMO instruments | Not applicable                                               | Not applicable                                               | Not applicable                                               |
| 14.8 Additional information                                  | None                                                         |                                                              |                                                              |

### 15. SECTION 15: REGULATORY INFORMATION

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

##### 15.1.1 EU regulations

Authorisations and/or restrictions on use

Not listed

##### 15.1.2 National regulations

Germany

Water hazard class: Slightly hazardous to water (wgk 1) (Self classification)

#### 15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

### 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Not applicable - V1.0

**References:** EU classification and labelling inventory for Ordinary Portland Cement (OPC) (CAS No.: 65997-15-1)

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

| Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP) | Classification procedure |
|---------------------------------------------------------------------------------------------|--------------------------|
| Skin Corr. 1; H314                                                                          | Extreme pH               |
| Skin Sens. 1; H317                                                                          | Threshold Calculation    |
| Eye Dam. 1; H318                                                                            | Threshold Calculation    |
| STOT Single Exp. 3; H335                                                                    | Threshold Calculation    |

#### Legend

|      |                                                                                                    |
|------|----------------------------------------------------------------------------------------------------|
| ADR  | ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road           |
| ADN  | ADN: European Agreement on the International Transport of Dangerous Goods by Inland Waterways      |
| CLP  | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures |
| DNEL | Derived no effect level                                                                            |
| IATA | IATA: International Air Transport Association                                                      |

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|       |                                                                                    |
|-------|------------------------------------------------------------------------------------|
| ICAO  | ICAO: International Civil Aviation Organization                                    |
| IMDG  | IMDG: International Maritime Dangerous Goods                                       |
| LC50  | Lethal Concentration at which 50% of the population is killed                      |
| LD50  | Lethal Dose at which 50% of the population is killed                               |
| LTEL  | Long term exposure limit                                                           |
| OECD  | Organisation for Economic Cooperation and Development                              |
| PBT   | PBT: Persistent, Bioaccumulative and Toxic                                         |
| PNEC  | Predicted No Effect Concentration                                                  |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals               |
| RID   | RID: Regulations concerning the international railway transport of dangerous goods |
| STEL  | Short term exposure limit                                                          |
| vPvB  | vPvB: very Persistent and very Bioaccumulative                                     |

**Hazard classification / Classification code:**

Skin Corr. 1; Skin corrosion/irritation, Category 1  
Skin Irrit. 2; Skin corrosion/irritation, Category 2  
Skin Sens. 1; Skin Sensitisation, Category 1  
Eye Dam. 1; Eye Damage, Category 1  
STOT SE 3; Specific Target Organ Toxicity — Single Exposure, Category 3

**Hazard Statement(s)**

H314: Causes severe skin burns and eye damage.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H335: May cause respiratory irritation.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

**Disclaimers**

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**Annex to the extended Safety Data Sheet (eSDS)**

Exposure scenarios for substances in this preparation are not available.