

# SAFETY DATA SHEET

## Flowing Repair Concrete

Date of issue: 22/09/2025  
Version: 2.0

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

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

#### 1.1 Product identifier

Product name Flowing Repair Concrete  
Unique Formula Identifier (UFI) Not available  
Nanoform The product does not contain nanoparticles.

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

Identified Use(s) Building and construction work.  
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  
Telephone +44 (0)345 812 6232  
E-mail (competent person) [info-cement@tarmac.com](mailto:info-cement@tarmac.com)

#### 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 SE 3; H335

#### 2.2 Label elements

Product name According to Regulation (EC) No. 1272/2008 (CLP).  
Flowing Repair Concrete

Contains: Portland cement clinker

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.

Precautionary Statement(s) P260: Do not breathe dust.  
P264: Wash hands thoroughly after handling.  
P280: Wear protective gloves/protective clothing and eye/face protection.  
P303+P361+P353: IF ON SKIN or hair: Take off immediately all contaminated clothing. Rinse skin with water.

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P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER/doctor.

Supplemental information

none.

### 2.3 Other hazards

None known.

## 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)                                                               |
|------------------------------------|-----------|------------|-----------|--------------------------------------|-----------------------------------------------------------------------------------|
| Portland cement clinker            | 21 - < 26 | 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 SE 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. Ensure adequate ventilation. Do not breathe dust. Avoid all contact. Contaminated clothing should be laundered before reuse. Wash hands and body thoroughly after handling.

Inhalation

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Blow nose to evacuate dust. Apply artificial respiration if breathing has ceased or shows signs of failing. Immediately call a POISON CENTER/doctor.

Skin contact

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Brush off loose particles from skin, only then: rinse skin with water. Immediately call a POISON CENTER/doctor.

Eye contact

IF IN EYES: Do not rub affected area. Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.

Ingestion

IF SWALLOWED: Rinse mouth. If the victim is conscious and alert, give 2-4 glasses of water or milk. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Immediately call a POISON CENTER/doctor.

### 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 damage to organs through prolonged or repeated exposure.

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

Treat symptomatically.

Notes to a physician:

Treatment by an ophthalmologist due to possible caustic burn of the eyes may be required.

## 5. SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media

Extinguish with carbon dioxide, dry chemical, foam or waterspray.

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- Unsuitable extinguishing media
- 5.2 Special hazards arising from the substance or mixture**
- 5.3 Advice for firefighters**
- Do not use water jet. Direct water jet may spread the fire.
- May give off noxious and toxic fumes in a fire. Combustion 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**
- No action should be taken involving personal risk. Only trained and properly protected personnel must be involved in clean-up operations. Wear appropriate personal protective equipment. Ensure adequate ventilation. Do not breathe dust. Avoid all contact. Remove contaminated clothing. Brush off loose particles from skin, only then: wash skin with soap and water. Wash contaminated clothing before reuse.
- 6.2 Environmental precautions**
- Avoid release to the environment.
- 6.3 Methods and material for containment and cleaning up**
- When dry:
- When wet
- Use approved industrial vacuum cleaner for removal or sweep up and shovel into waste drums or plastic bags. Avoid dust generation. Do not use compressed air for cleaning purposes. Transfer to a container for disposal.
- Sweep up spilled substance. Collect in closed and suitable containers for disposal. Allow stiffening. Wash the spillage area with water. Avoid run off to waterways and sewers.
- 6.4 Reference to other sections**
- See Section: 8,13

### 7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
- Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Obtain special instructions before use. Use personal protective equipment as required. Do not breathe dust. Do not get in eyes. Do not get on skin. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wash contaminated clothing before reuse.
- 7.2 Conditions for safe storage, including any incompatibilities**
- Storage temperature
- Incompatible materials
- Keep only in original packaging. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.
- Keep cool. Protect from sunlight.
- Acid anhydrides, acids, phenols and cresols.
- 7.3 Specific end use(s)**
- 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/m³)                      | STEL (ppm) | STEL (mg/m³) | Note                                                 |
|-------------------------------------------|------------|---------------------|--------------------------------------------|------------|--------------|------------------------------------------------------|
| Cement, portland, chemicals               | 65997-15-1 | -                   | 10 (inhalable dust)<br>4 (respirable dust) | -          | -            | -                                                    |
| Cystalline Silica, respirable crystalline | -          | -                   | 0.1 (Respirable fraction)                  | -          | -            | Carc (where generated as a result of a work process) |

Source: Workplace Exposure Limit (UK HSE EH40)

- 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 all contact. 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. Eyewash bottles should be available.                                                                                                              |
|                                                                                                                                                                                                                                                                    |    |                                                                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                    | Skin protection                                                                     | Wear suitable protective clothing.                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                    |    |                                                                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                    | Respiratory protection                                                              | Wear a dust mask when needed.                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                    | 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                                           | Cement, Powder         |
|     | Colour                                                   | Various                |
|     | Odour                                                    | Slight                 |
|     | Melting point/freezing point                             | Not determined         |
|     | Boiling point or initial boiling point and boiling range | Not applicable - Solid |
|     | Flammability                                             | Not flammable          |
|     | Lower and upper explosion limit                          | Not applicable         |
|     | Flash point                                              | Not applicable - Solid |
|     | Auto-ignition temperature                                | Not applicable         |
|     | Decomposition temperature                                | Not determined         |
|     | pH                                                       | ≥ 11.5                 |
|     | Kinematic viscosity                                      | Not applicable - Solid |
|     | Solubility                                               | Slight (0.1-1.5 g/l)   |
|     | Partition coefficient: n-octanol/water (log value)       | Not determined         |
|     | Vapour pressure                                          | Not applicable         |
|     | Density and/or relative density                          | Not determined         |
|     | Relative vapour density                                  | Not applicable         |
|     | Particle characteristics                                 | Not determined         |
| 9.2 | Other information                                        | None known             |

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### 10. SECTION 10: STABILITY AND REACTIVITY

|      |                                    |                                                                                                                                                                         |
|------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10.1 | Reactivity                         | When mixed with water, cements will harden into a stable mass that is not reactive in normal environments.                                                              |
| 10.2 | Chemical stability                 | Stable under normal conditions                                                                                                                                          |
| 10.3 | Possibility of hazardous reactions | None anticipated. May give off noxious and toxic fumes in a fire. Combustion products: Carbon monoxide, Carbon dioxide.                                                 |
| 10.4 | Conditions to avoid                | Cement in concrete dissolves in hydrofluoric acid to produce corrosive silicon tetrafluoride gas. Keep away from heat and direct sunlight. Avoid contact with moisture. |
| 10.5 | Incompatible materials             | Acid anhydrides, acids, phenols and cresols.                                                                                                                            |
| 10.6 | Hazardous decomposition products   | None known                                                                                                                                                              |

### 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)                                     |
|        | 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. Extreme pH ≥ 11.5. See section 9                                                                                |
|        | Portland cement clinker                                                  | Skin Irrit. 2; H315: Causes skin irritation.                                                                                                                                          |
|        | Serious eye damage/irritation                                            | Source: EU classification and labelling inventory. Mixture: Eye Dam. 1; H318: Causes serious eye damage. Extreme pH ≥ 11.5. See section 9                                             |
|        | Portland cement clinker                                                  | Eye Dam. 1; H318: Causes serious eye damage.                                                                                                                                          |
|        | Respiratory or skin sensitisation                                        | Source: EU classification and labelling inventory. Mixture: Skin Sens. 1; H317: May cause an allergic skin reaction.                                                                  |
|        | Portland cement clinker                                                  | Skin Sens. 1; H317: May cause an allergic skin reaction.                                                                                                                              |
|        | Germ cell mutagenicity                                                   | Source: 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.                                                                                                                           |
|        | Portland cement clinker                                                  | STOT SE 3; H335: May cause respiratory irritation.                                                                                                                                    |
|        | STOT - repeated exposure                                                 | Source: EU classification and labelling inventory.                                                                                                                                    |
|        | Aspiration hazard                                                        | Mixture: Based upon the available data, the classification criteria are not met. Mixture: Based upon the available data, the classification criteria are not met. Product form- Solid |
| 11.2   | Information on other hazards                                             |                                                                                                                                                                                       |
| 11.2.1 | Endocrine disrupting properties                                          | This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.                                        |
| 11.2.2 | Other information                                                        | None known                                                                                                                                                                            |

### 12. SECTION 12: ECOLOGICAL INFORMATION

|      |                               |                                                                                                                       |
|------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 12.1 | Toxicity                      | Mixture: Based upon the available data, the classification criteria are not met. Estimated LC50 (Mixture): >100 mg/l. |
| 12.2 | Persistence and degradability | No data for the mixture as a whole.                                                                                   |
|      | Portland cement clinker       | Testing can be waived because the substance is an inorganic compound.                                                 |
| 12.3 | Bioaccumulative potential     |                                                                                                                       |
|      | Portland cement clinker       | Testing can be waived because the substance is an inorganic compound.                                                 |
| 12.4 | Mobility in soil              | No data for the mixture as a whole.                                                                                   |
|      | Portland cement clinker       | Testing can be waived because the substance is an inorganic compound.                                                 |

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|      |                                    |                                                                                                                                                              |
|------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                                                                                                                  |

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

|      |                                                                                    |                                                                                                                                            |
|------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 13.1 | Waste treatment methods                                                            | Dispose of this material and its container as hazardous waste. Disposal should be in accordance with local, state or national legislation. |
|      | Waste classification according to Directive 2008/98/EC (Waste Framework Directive) | HP 5: Specific Target Organ Toxicity<br>HP 8: Corrosive<br>HP 13: Sensitising.                                                             |

### 14. SECTION 14: TRANSPORT INFORMATION

|      | ADR/RID                                                 | IMDG            | IATA/ICAO                             |
|------|---------------------------------------------------------|-----------------|---------------------------------------|
| 14.1 | UN number or ID number                                  | 1759            | 1759                                  |
| 14.2 | UN proper shipping name                                 | CORROSIVE SOLID | CORROSIVE SOLID                       |
|      | N.O.S                                                   | N.O.S           | N.O.S                                 |
| 14.3 | Transport hazard class(es)                              | 8               | 8                                     |
| 14.4 | Packing group                                           | III             | III                                   |
| 14.5 | Environmental hazards                                   | Not classified  | Not classified as a Marine Pollutant. |
| 14.6 | Special precautions for user                            | See section 2   |                                       |
| 14.7 | Maritime transport in bulk according to IMO instruments | Not applicable  | Not applicable                        |
| 14.8 | Additional information                                  | None            |                                       |
|      | Special Provisions                                      | 274             |                                       |
|      | Transport category                                      | 3               |                                       |
|      | Tunnel restriction code                                 | (E)             |                                       |
|      | Limited Quantity                                        | 5 kg            |                                       |

### 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 restricted for the intended use(s) of the product.                        |
| 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: Updated version and date. Updated substance / mixture classification. Please review SDS with care.

Sections indicated with the following have been revised:

**References:** Existing Safety Data Sheet (SDS); EU classification and labelling inventory for Portland cement clinker (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

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| 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                                                                            | Extreme pH               |
| STOT SE 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                                                      |
| ICAO  | ICAO: International Civil Aviation Organization                                                    |
| IMDG  | IMDG: International Maritime Dangerous Goods                                                       |
| LTEL  | Long term exposure limit                                                                           |
| 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 Sens. 1B; Skin Sensitisation, Category 1  
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.  
H317: May cause an allergic skin reaction.  
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

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Tarmac Packed Products gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Tarmac Packed Products accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

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

Exposure scenarios for substances in this preparation are not available.