

SAFETY DATA SHEET



Rapid Set Flowing Repair Concrete

Date of issue: 10/04/2025

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

Version: 1.0

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

1.1 Product identifier

Product name Rapid Set Flowing Repair Concrete
Unique Formula Identifier (UFI)
Blue Circle Quickset Concrete 6TE2-3094-E00W-XJES
Blue Circle Quick Repair Concrete H2F2-M0CA-C00D-WK5Y
Nanoform The product does not contain nanoparticles.

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

Identified Use(s) Concrete Repair
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

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 Rapid Set Flowing Repair Concrete
Contains: Portland cement clinker; Cement, alumina, chemicals

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)

P102: Keep out of reach of children.
P260: Do not breathe dust.
P280: Wear protective gloves and eye/face protection.

SAFETY DATA SHEET



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Version: 1.0

P271: Use only outdoors or in a well-ventilated area.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P310: Immediately call a POISON CENTER/doctor.

P501: Dispose of contents/container according to national/local hazardous waste disposal regulations.

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 Skin Sens. 1B; H317 Eye Dam. 1; H318 STOT SE 3; H335
Cement, alumina, chemicals	16 - < 19	65997-16-2	266-045-5	Not yet assigned in the supply chain	Eye Irrit. 2; H315

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.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Blow nose to evacuate dust. If unconscious, place in recovery position and get medical attention immediately.

Skin contact

IF ON SKIN (or hair): Brush off loose particles from skin. Take off immediately all contaminated clothing. Wash affected area with plenty of soap and water. If symptoms develop, obtain medical attention.

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.

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

SAFETY DATA SHEET



Rapid Set Flowing Repair Concrete

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

Date of issue: 10/04/2025

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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.
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**
- 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. 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. 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. Sweep up and shovel into waste drums or plastic bags. 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. Recover or recycle if possible.
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**
Storage temperature
Incompatible materials
- 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 breathe dust. Use personal protective equipment as required. Avoid all contact. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wash contaminated clothing before reuse.
Keep container/package tightly closed and in a well-ventilated place. Always keep container in upright position. Keep only in original packaging.
Keep cool. Protect from sunlight.
Acid anhydrides, acids, phenols and cresols.
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 ³)	STEL (ppm)	STEL (mg/m ³)	Note
Calcium dihydroxide	1305-62-0	-	5 1 (Respirable fraction)	-	- 4 (Respirable fraction)	WEL
Calcium Carbonate	471-34-1	-	10 (inhalable dust) 4 (respirable dust)	-	-	-
Cement, alumina, chemicals	65997-15-1	-	1 (respirable dust)	-	-	-
Calcium sulfate	7778-18-9	-	10	-	-	-
Cystalline Silica, respirable crystalline	-	-	0.1 (Respirable fraction)	-	-	Carc (where generated as a result of a work process)

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

Version: 1.0

Source: Workplace Exposure Limit (UK HSE EH40)

Notes:

Carc: Capable of causing cancer and/or heritable genetic damage.

8.1.2	Biological Limit Value	Not established
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 chemical resistant protective gloves for frequent or prolonged operations tested to EN374 with an acceptable permeation test.
		
	Respiratory protection	Wear suitable respiratory protective equipment if processing involves working in areas where dusts or vapours are likely to be evolved.
		
	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	Not determined
Partition coefficient: n-octanol/water (log value)	Not determined

SAFETY DATA SHEET



Rapid Set Flowing Repair Concrete

Date of issue: 10/04/2025

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

Version: 1.0

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

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/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. Extreme pH $\geq$ 11.5. See section 9
Portland cement clinker	Skin Irrit. 2; H315: Causes skin irritation. Source: EU classification and labelling inventory.
Serious eye damage/irritation	Mixture: Eye Dam. 1; H318: Causes serious eye damage. Extreme pH $\geq$ 11.5. See section 9
Portland cement clinker	Eye Dam. 1; H318: Causes serious eye damage. Source: EU classification and labelling inventory.
Cement, alumina, chemicals	Eye Irrit. 2; H319: Causes serious eye irritation. Result: Mean eye Irritation score: 11.06
Respiratory or skin sensitisation	Source: ECHA registration dossier (Unnamed, 2010)
Portland cement clinker	Mixture: Skin Sens. 1; H317: May cause an allergic skin reaction. Skin Sens. 1; H317: May cause an allergic skin reaction. Source: EU classification and labelling inventory.
Germ cell mutagenicity	Mixture: Based upon the available data, the classification criteria are not met.
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. Source: EU classification and labelling inventory.
STOT - repeated exposure	Mixture: Based upon the available data, the classification criteria are not met.
Aspiration hazard	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

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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.
	Portland cement clinker	Testing can be waived because the substance is an inorganic compound.
	Cement, alumina, chemicals	Testing can be waived because the substance is an inorganic compound.
12.3	Bioaccumulative potential	No data for the mixture as a whole.
	Portland cement clinker	Testing can be waived because the substance is an inorganic compound.
	Cement, alumina, chemicals	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.
	Cement, alumina, chemicals	Testing can be waived because the substance is an inorganic compound.
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 HP 8: Corrosive 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 N.O.S	CORROSIVE SOLID 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
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: Not applicable - V1.0

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Version: 1.0

References: Existing Safety Data Sheet (SDS); ECHA registration dossier for Cement, alumina, chemicals (CAS No. 65997-16-2), 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

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
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 Sens. 1B; Skin Sensitisation, Category 1
Skin Sens. 1; Skin Sensitisation, Category 1
Eye Dam. 1; Eye damage, category 1
Eye Irrit. 2; Eye irritation, Category 2
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.
H319: Causes serious eye irritation.
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.