

SAFETY DATA SHEET



Cement Based Products

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830
AS AMENDED BY UK REACH REGULATIONS SI 2019/758

Date of issue: 10/04/2025
Version : 1.0

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

1.1 Product identifier

Product name	Cement Based Products
CAS No.	Not applicable - Mixture
EINECS No.	Not applicable - Mixture
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

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
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)
Languages spoken	English

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain

Skin Corr. 1; H314
Skin Sens. 1; H317
Eye Dam. 1; H318
STOT Single Exp. 3; H335

2.2 Label elements

According to the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain

Product name	Cement Based Products
Contains:	Ordinary Portland Cement (OPC)

Hazard Pictogram(s)



Signal Word(s)

DANGER

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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.
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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances - Not applicable

3.2 Mixtures

Classification: The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain

Chemical identity of the substance	%W/W	CAS No.	EC No.	UK-REACH Registration No.	Hazard classification
Ordinary Portland Cement (OPC)	25 - < 35	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 Single Exp. 3; H335

For full text of H phrases see section 16.

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.

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- 4.3 Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

- 5.1 **Extinguishing media**
Suitable extinguishing media Extinguish with carbon dioxide, dry chemical, foam or waterspray.
Unsuitable extinguishing media Do not use water jet. Direct water jet may spread the fire.
- 5.2 **Special hazards arising from the substance or mixture**
Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature. Decomposition products: Carbon monoxide, Carbon dioxide.
- 5.3 **Advice for firefighters**
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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures**
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.
- 6.2 **Environmental precautions**
Avoid release to the environment.
- 6.3 **Methods and material for containment and cleaning up**
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.
- 6.4 **Reference to other sections**
See Section: 8,13

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. 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.
- 7.2 **Conditions for safe storage, including any incompatibilities**
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.
- storage temperature Keep cool. Protect from sunlight. Keep only in original packaging.
Incompatible materials Incompatible with acid, ammonium salts, aluminium and other non-noble metals.
- 7.3 **Specific end use(s)**
See Section: 1.2

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
Ordinary Portland Cement (OPC)	65997-15-1	-	10 (inhalable dust); 4 (respirable dust)	-	-	-

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Source: WEL: Workplace Exposure Limit (UK HSE EH40)

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	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. 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.
	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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties	
	Appearance	Powder
	Odour	Slight
	Odour threshold	Not determined
	pH	11-13.5
	Melting point/freezing point	1250 (typical)
	Initial boiling point and boiling range	Not applicable
	Flash point	Not determined
	Evaporation rate	Not determined
	Flammability (solid, gas)	Not determined
	Upper/lower flammability or explosive limits	Not determined
	Vapour pressure	Not determined
	Vapour density	Not determined
	Relative density	3.0 (typical)
	Solubility(ies)	The substance is sparingly soluble in water.
	Partition coefficient: n-octanol/water	Not determined
	Auto-ignition temperature	Not determined

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Decomposition temperature	Not determined
Viscosity	Not applicable
Explosive properties	Not determined
Oxidising properties	Not determined

9.2	Other information	None Known
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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

SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
	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	Eye Dam. 1; H318: Causes serious eye damage.
	Ordinary Portland Cement (OPC)	EU classification and labelling inventory
	Germ cell mutagenicity	Mixture: Skin Sens. 1; H317: May cause an allergic skin reaction.
	Carcinogenicity	Skin Sens. 1; H317: May cause an allergic skin reaction.
	Reproductive toxicity	EU classification and labelling inventory
	STOT - single exposure	Mixture: Based upon the available data, the classification criteria are not met.
	Ordinary Portland Cement (OPC)	Mixture: Based upon the available data, the classification criteria are not met.
	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.
11.2	Other information	None Known.

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	Other adverse effects	None Known

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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.
- 13.2 Additional information**
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.

SECTION 14: TRANSPORT INFORMATION

	ADR/RID	IMDG	IATA/ICAO
14.1 UN number	1759	1759	1759
14.2 UN proper shipping name	CORROSIVE SOLID N.O.S (Ordinary Portland Cement (OPC))	CORROSIVE SOLID N.O.S (Ordinary Portland Cement (OPC))	CORROSIVE SOLID N.O.S (Ordinary 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 Marine Pollutant.	Not classified
14.6 Special precautions for user	See section 2		
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	None		

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
- GB regulations**
Not listed
- 15.1.2 National regulations**
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.

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)

Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.
Compiled in accordance with REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Classification of the substance or mixture. The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain	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 European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

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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 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

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.