

SAFETY DATA SHEET

40N Flowing 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 40N Flowing 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) Fast set concrete and Flowable concrete.
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 Single Exp. 3; H335

2.2 Label elements

Product name According to Regulation (EC) No. 1272/2008 (CLP).
Contains: 40N Flowing Concrete
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)

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.

SAFETY DATA SHEET



40N Flowing Concrete

Date of issue: 10/04/2025

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

Version: 1.0

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)
Portland cement clinker	20 - < 30	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

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.

4.3 Indication of any immediate medical attention and special treatment needed

May cause respiratory irritation.

Treat symptomatically.

5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media

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

Do not use water jet. Direct water jet may spread the fire.

SAFETY DATA SHEET



40N Flowing Concrete

Date of issue: 10/04/2025

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

Version: 1.0

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.

6. 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

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. 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

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

Acids, ammonium salts, aluminium or other non-noble metals.

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); 4 (respirable dust)	-	-	-

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

8.1.2 Biological Limit Value

Not established

8.1.3 PNECs and DNELs

Not established

8.2 Exposure controls

40N Flowing Concrete

Date of issue: 10/04/2025

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

Version: 1.0

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.

Respiratory protection



Respiratory protection is not necessary if room is well ventilated. In case of inadequate ventilation wear respiratory protection.

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 - Cement
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	Some components sparingly soluble
Partition coefficient: n-octanol/water (log value)	Not determined
Vapour pressure	Not determined
Density and/or relative density	3.0 (typical)
Relative vapour density	Not determined
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.

SAFETY DATA SHEET



40N Flowing Concrete

Date of issue: 10/04/2025

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

Version: 1.0

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 moisture. Keep away from heat and direct sunlight. Avoid contact with: Aluminium.
10.5	Incompatible materials	Acids, ammonium salts, aluminium or 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.
	Portland cement clinker	Skin Irrit. 2; H315: Causes skin irritation.
	Serious eye damage/irritation	Extreme ph. See section 9
	Portland cement clinker	Mixture: Eye Dam. 1; H318: Causes serious eye damage.
	Respiratory or skin sensitisation	Eye Dam. 1; H318: Causes serious eye damage.
	Portland cement clinker	EU classification and labelling inventory
	Germ cell mutagenicity	Mixture: Skin Sens. 1; H317: May cause an allergic skin reaction.
	Carcinogenicity	EU classification and labelling inventory
	Reproductive toxicity	Mixture: Based upon the available data, the classification criteria are not met.
	STOT - single exposure	Mixture: Based upon the available data, the classification criteria are not met.
	Portland cement clinker	Mixture: STOT SE 3; H335: May cause respiratory irritation.
	STOT - repeated exposure	STOT SE 3; H335: May cause respiratory irritation.
	Aspiration hazard	EU classification and labelling inventory
		Mixture: Based upon the available data, the classification criteria are not met.
		Mixture: Based upon the available data, the classification criteria are not met.
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.
12.2	Persistence and degradability	No data for the mixture as a whole.
	Portland cement clinker	Not applicable for inorganic substances.
12.3	Bioaccumulative potential	No data for the mixture as a whole.
	Portland cement clinker	Not applicable for inorganic substances.
12.4	Mobility in soil	No data for the mixture as a whole.
	Portland cement clinker	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

SAFETY DATA SHEET



40N Flowing Concrete

Date of issue: 10/04/2025

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

Version: 1.0

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 N.O.S (Portland cement clinker)	CORROSIVE SOLID N.O.S (Portland cement clinker)	CORROSIVE SOLID N.O.S (Portland cement clinker)
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 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 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	Threshold Calculation
STOT Single Exp. 3; H335	Threshold Calculation

Legend

ADR	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
DNEL	Derived no effect level
IATA	IATA: International Air Transport Association
ICAO	ICAO: International Civil Aviation Organization

40N Flowing Concrete

Date of issue: 10/04/2025

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

Version: 1.0

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
LTCL	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
STCL	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.