

SAFETY DATA SHEET

Limelite Lightweight Screed

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

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

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

- 1.1 Product identifier**
Product name Limelite Lightweight Screed
Unique Formula Identifier (UFI) Not assigned
Nanoform The product does not contain nanoparticles.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified Use(s) Lightweight Levelling Screed
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

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)**
Skin Corr. 1; H314
Eye Dam. 1; H318
Skin Sens. 1; H317
STOT SE. 3; H335
- 2.2 Label elements**
Product name According to Regulation (EC) No. 1272/2008 (CLP).
Limelite Lightweight Screed
Contains: Portland cement clinker; Calcium dihydroxide
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 and exposed skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/or shower.

SAFETY DATA SHEET



Limelite Lightweight Screed

Date of issue: 10/04/2025

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

Version: 1.0

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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

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	25 - <50	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
Calcium dihydroxide	2.5 - <5	1305-62-0	215-137-3	Not yet assigned in the supply chain	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE. 3; H335

Note: 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

Inhalation

No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Do not breathe dust. Do not get in eyes. Do not get on skin. Contaminated clothing should be laundered before reuse. Wash hands and body thoroughly after handling.

Skin contact

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. If irritation develops and persists, get medical attention.

Eye contact

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

Ingestion

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.

IF SWALLOWED: Rinse mouth. Give plenty of water to drink. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. May cause damage to the digestive tract if swallowed. 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 respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Notes to a physician:

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

SAFETY DATA SHEET



Limelite Lightweight Screed

Date of issue: 10/04/2025

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

Version: 1.0

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**
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions: Alcohol Resistant Foam, Water fog, Carbon dioxide or Dry powder. Do not use water jet. Direct water jet may spread the fire. Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature. By heating and fire, harmful vapours/gases may be formed.
- Fight fire with normal precautions from a reasonable distance. Keep upwind. 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**
- 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. Ensure operatives are trained to minimise exposures. Only trained and properly protected personnel must be involved in clean-up operations. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Do not breathe dust. Do not get in eyes. Do not get on skin. Remove contaminated clothing and wash all affected areas with plenty of water. Wash contaminated clothing before reuse.
- Avoid release to the environment. Avoid run off to waterways and sewers.
- Provided it is safe to do so, isolate the source of the leak. Sweep up and shovel into waste drums or plastic bags. Avoid dust generation. Transfer to a container for disposal. Wash the spillage area with water. Neutralise with Acid. Do not release undiluted and unneutralised to the sewer.
- See Section: 8,13

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 handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid dust generation. 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.
- Keep only in the original container. Keep container in an upright position. Keep container tightly closed. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Do not store near acids. Keep cool. Protect from sunlight.
- Acid Anhydrides, Acids, Phenols, Cresols.
- See Section: 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
8.1.1 Occupational exposure limits

European Union

EC No.	CAS No.	Name of the Chemical Agent	Limit Values			
			8 hours		Short-term	
			mg/m ³	ppm	mg/m ³	ppm
215-137-3	1305-62-0	Calcium dihydroxide	5; 1 (respirable fraction)	-	4 (respirable fraction)	-
207-439-9	471-34-1	Calcium Carbonate	10 (Inhalable Dust); 4	-	-	-

SAFETY DATA SHEET

Limelite Lightweight Screed

Date of issue: 10/04/2025

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

Version: 1.0

			(Respirable Dust)			
--	--	--	-------------------	--	--	--

Source: IOELV: Indicative Occupational Exposure Limit Value and OELV: Health and Safety Authority, Code of Practice, 2020

Northern Ireland

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)	-
Cement, portland, chemicals	65997-15-1	-	10 (inhalable dust); 4 (respirable dust)	-	-	-

Source: 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 Ensure adequate ventilation Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. 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 Keep good industrial hygiene. Do not handle until all safety precautions have been read and understood. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. 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.

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



Body protection:

Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Hand 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



Wear suitable respiratory protective equipment if processing involves working in areas where dusts or vapours are likely to be evolved.

If above exposure limits are likely to be exceeded, breathing mask with fine dust filter (EN 143)

Recommended: Filter type: P2

Thermal hazards

Not applicable

8.2.3 Environmental exposure controls

Keep container tightly closed. Avoid release to the environment.

Limelite Lightweight Screed

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

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Powder
Colour	Grey. Pink.
Odour	Slight
Melting point/freezing point	>450 °C
Boiling point or initial boiling point and boiling range	Not established
Flammability	Not flammable
Lower and upper explosion limit	Not established
Flash point	Not Applicable (solid)
Auto-ignition temperature	Not established
Decomposition temperature	Not established
pH	≥ 11.5
Kinematic viscosity	Not Applicable (solid)
Solubility	Not established
Partition coefficient: n-octanol/water (log value)	Not established
Vapour pressure	Not established
Density and/or relative density	Not established
Relative vapour density	Not established
Particle characteristics	Not established

9.2 Other information

None

SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions. No known hazardous reactions.
10.2	Chemical stability	Stable under normal conditions
10.3	Possibility of hazardous reactions	No known hazardous reactions.
10.4	Conditions to avoid	Avoid high temperatures or direct sunlight.
10.5	Incompatible materials	Acid Anhydrides, Acids, Phenols, Cresols.
10.6	Hazardous decomposition products	By heating and fire, harmful vapours/gases may be formed.

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. See section 9.

Portland cement clinker Skin Irrit. 2; H315: Causes skin irritation.
EU classification and labelling inventory. (220 Notifiers)

Calcium dihydroxide Skin Irrit. 2; H315: Causes skin irritation.
Adverse effects observed: erythema (redness); oedema.
(rabbit) (OECD 404) Fully reversible within: (14 days)

Serious eye damage/irritation

Mixture: Eye Dam. 1; H318: Causes serious eye damage.

Portland cement clinker Eye Dam. 1; H318: Causes serious eye damage.
EU classification and labelling inventory. (220 Notifiers)

Calcium dihydroxide Eye Dam. 1; H318: Causes serious eye damage.
Irreversible effects on the eye. Adverse effects observed: Conjunctival oedema
(chemosis). Corneal opacity.(rabbit) (OECD 405)

Respiratory or skin sensitisation

Mixture: Skin Sens. 1; H317: May cause an allergic skin reaction.

Portland cement clinker Skin Sens. 1B; H317: May cause an allergic skin reaction.
EU classification and labelling inventory. (220 Notifiers)

SAFETY DATA SHEET



Limelite Lightweight Screed

Date of issue: 10/04/2025

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

Version: 1.0

Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
STOT - single exposure

Mixture: Based upon the available data, the classification criteria are not met.
Mixture: Based upon the available data, the classification criteria are not met.
Mixture: Based upon the available data, the classification criteria are not met.
Mixture: STOT SE 3; H335: May cause respiratory irritation.

Portland cement clinker

STOT SE 3; H335: May cause respiratory irritation.

Calcium dihydroxide

EU classification and labelling inventory. (220 Notifiers)

STOT SE 3; H335: May cause respiratory irritation.

historical human data. Source: SCOEL - Scientific Committee on Occupational Exposure Limits (2014) EU Commission Decision 2014/113/EU.; ECHA Registration Endpoint summary.

STOT - repeated exposure
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.

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

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

Not applicable for inorganic substances.

Calcium dihydroxide

Not applicable for inorganic substances.

12.3 Bioaccumulative potential

No data for the mixture as a whole.

Portland cement clinker

No data available

Calcium dihydroxide

Not applicable for inorganic substances.

12.4 Mobility in soil

No data for the mixture as a whole.

Portland cement clinker

No data available

Calcium dihydroxide

No data available

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substance considered to be 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.

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

HP 5: Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP 8: Corrosive

HP 13: Sensitising

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

ADR/RID

UN 1759

IMDG

UN 1759

IATA/ICAO

UN 1759

14.2 UN proper shipping name

CORROSIVE SOLID,

CORROSIVE SOLID,

CORROSIVE SOLID,

N.O.S

N.O.S

N.O.S

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

SAFETY DATA SHEET



Limelite Lightweight Screed

Date of issue: 10/04/2025

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

Version: 1.0

14.7	Maritime transport in bulk according to IMO instruments	Not applicable	Not applicable	Not applicable
14.8	Additional information	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 restricted for the intended use(s) of the product.
15.1.2	National regulations	
	Germany	Water hazard class (WGK): 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: Existing Safety Data Sheet (SDS); ECHA registration dossier for Calcium dihydroxide (CAS No. 1305-62-0), 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 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 Irrit. 2; Skin corrosion/irritation, Category 2
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.
H315: Causes skin irritation.
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.

SAFETY DATA SHEET



Limelite Lightweight Screed

Date of issue: 10/04/2025

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

Version: 1.0

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.