

SAFETY DATA SHEET

LIME GROUT AND MORTAR

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

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

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

- 1.1 Product identifier**
Product name Lime grout and mortar
CAS No. Not applicable - Mixture
EINECS No. Not applicable - Mixture
Unique Formula Identifier (UFI) 4JE2-K06X-H00E-XHPK
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified Use(s) Lime Grout and Mortar
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
Eye Dam. 1; H318
STOT SE 3; H335
- 2.2 Label elements**
According to the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain
- Product name Lime Grout and Mortar
Contains: Calcium hydroxide
- Hazard Pictogram(s)
- 
- Signal Word(s) DANGER
- Hazard Statement(s) H314: Causes severe skin burns and eye damage.
H335: May cause respiratory irritation.
- Precautionary Statement(s) P102: Keep out of reach of children.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust.

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P280: Wear protective gloves and eye/face protection.
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.
P405: Store locked up.
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
Calcium hydroxide	50 - < 90	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

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 all contact. Contaminated clothing should be laundered before reuse. Wash hands and body thoroughly after handling.

Inhalation

IF INHALED: 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: 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 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.

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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.
- Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature. Decomposition 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.

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**
When dry:

When wet
- 6.4 Reference to other sections**
- 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 all contact. Ensure adequate ventilation. Remove contaminated clothing and wash all affected areas with plenty of water. Wash contaminated clothing before reuse.
- Avoid release to the environment.
- Provided it is safe to do so, isolate the source of the leak.
- 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.
- 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. Do not breathe dust. Avoid dust generation. 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 only in original packaging. Avoid contact with moist air. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Keep cool. Protect from sunlight.
- Incompatible with acids, significant quantities of paper, straw, aluminium and nitro compounds.
- 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/m³)	STEL (ppm)	STEL (mg/m³)	Note
Aluminium (Al)	7429-90-5	-	10 (inhalable dust); 4 (respirable dust)	-	-	-
Calcium dihydroxide	1305-62-0	-	5; 1 (respirable fraction)	-	4 (respirable fraction)	-

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

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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 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 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties	
	Appearance	Powder
	Odour	Slight Odour
	Odour threshold	Not determined
	pH	12-14
	Melting point/freezing point	Not determined
	Initial boiling point and boiling range	Not determined
	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 product is sparingly soluble in water.
	Partition coefficient: n-octanol/water	Not determined
	Auto-ignition temperature	Not determined
	Decomposition temperature	Not determined
	Viscosity	Not determined
	Explosive properties	Not determined
	Oxidising properties	Not determined

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9.2 Other information None known

SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	In aqueous media $\text{Ca}(\text{OH})_2$ dissociates resulting in the formation of calcium cations and hydroxyl anions (when below the limit of water solubility).
10.2	Chemical stability	Stable under normal conditions
10.3	Possibility of hazardous reactions	Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature. Strong exothermic reaction with acids.
10.4	Conditions to avoid	Keep away from heat and direct sunlight. Avoid: Humidity.
10.5	Incompatible materials	Incompatible with acids, significant quantities of paper, straw, aluminium and nitro compounds.
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: $\text{LD}_{50} > 2000 \text{ mg/kg bw}$
	Acute toxicity - Inhalation	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: $\text{LC}_{50} > 5 \text{ mg/l (Dust/Mist)}$
	Acute toxicity - Skin contact	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: $\text{LD}_{50} > 2000 \text{ mg/kg bw}$
	Skin corrosion/irritation	Mixture: Skin Corr. 1; H314: Causes severe skin burns and eye damage. Extreme pH: 12-14
		Calcium hydroxide Skin Irrit. 2; H315: Causes skin irritation.
	Serious eye damage/irritation	Irritating to skin. (Rabbit)(OECD 404)
		Mixture: Eye Dam. 1; H318: Causes serious eye damage.
		Calcium hydroxide Eye Dam. 1; H318: Causes serious eye damage.
		Irreversible effects on the eye. (Rabbit)(OECD 405)
	Respiratory or skin sensitisation	Mixture: Based upon the available data, the classification criteria are not met.
	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.
		Calcium hydroxide STOT SE 3; H335: May cause respiratory irritation.
		NOAEC: 0.107 mg/L (Rat) (OECD 412)
	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. Estimated LC_{50} (Mixture): $> 100 \text{ mg/l}$.
12.2	Persistence and degradability	No data for the mixture as a whole.
		Calcium hydroxide Not applicable for inorganic substances.
12.3	Bioaccumulative potential	No data for the mixture as a whole.
		Calcium hydroxide Not applicable for inorganic substances.
12.4	Mobility in soil	No data for the mixture as a whole.
		Calcium hydroxide No data available.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	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
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13.2 Additional information

Waste classification according to Directive 2008/98/EC
(Waste Framework Directive)

collection point. Disposal should be in accordance with local, state or national legislation.

HP 4; Irritant — skin irritation and eye damage.
HP5; Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP8; Corrosive

SECTION 14: TRANSPORT INFORMATION

	ADR/RID	IMDG	IATA/ICAO
14.1 UN number	1759	1759	1759
14.2 UN proper shipping name	CORROSIVE N.O.S hydroxide)	SOLID CORROSIVE N.O.S hydroxide)	CORROSIVE N.O.S hydroxide)
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	No information available. No information available. No information available.		

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	
UK REACH – Grandfathered registration notified substances	Calcium hydroxide
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.

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); ECHA registration dossier for Calcium hydroxide (CAS No.: 1305-62-0)

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
Eye Dam. 1; H318	Threshold Calculation
STOT Single Exp. 3; H335	Threshold Calculation

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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
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, Category 1
Skin Irrit. 2; Skin corrosion/irritation, Category 2
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.
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

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Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.