

SAFETY DATA SHEET

Limelite Natural Hydraulic Lime

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	Limelite Natural Hydraulic Lime
Unique Formula Identifier (UFI)	Not applicable
Nanoform	The product does not contain nanoparticles.
CAS No.	85117-09-5
EC No.	285-561-1
REACH Registration No.	01-2199475523-36-0001/0011

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

Identified Use(s)	Industrial 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 +44 (0)345 812 6232 info-cement@tarmac.com
Telephone	
E-mail (competent person)	

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 Irrit 2; H315
Eye Dam. 1; H318
STOT Single Exp. 3; H335

2.2 Label elements

Product name	According to Regulation (EC) No. 1272/2008 (CLP). Limelite Natural Hydraulic Lime
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Hazard Pictogram(s)



Signal Word(s)

DANGER

Hazard Statement(s)

H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.

Precautionary Statement(s)

P102: Keep out of reach of children.
P264: Wash hands thoroughly after handling.
P302+P352: IF ON SKIN: Wash with plenty of water.

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P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362+P364: Take off contaminated clothing and wash it before reuse.
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

SUBSTANCE	CAS No.	EC No.	REACH Registration No.	%W/W
Calcium Hydroxide	85117-09-5	285-561-1	01-2199475523-36-0001/0011	100

3.2 Mixtures

Not applicable

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. Avoid breathing 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. Take off contaminated clothing and wash it before reuse. Wash hands thoroughly after handling.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin contact

IF ON SKIN: Wash with plenty of water. Repeated and/or prolonged skin contact may cause irritation.

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 skin irritation. Causes serious eye damage. May cause respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. 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.

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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. Avoid breathing 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. Take off contaminated clothing and wash it before reuse. Wash hands thoroughly after handling. |
| 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. Avoid breathing dust. Do not handle until all safety precautions have been read and understood. 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. Do not use aluminium containers for the storage or transport of wet NHL containing mixtures due to incompatibility of the materials. |
| | Storage temperature | Keep cool. Protect from sunlight. Keep only in original packaging. |
| | Incompatible materials | Aluminium |
| 7.3 | Specific end use(s) | See Section: 1.2 |

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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|--------------|--|--|
| 8.1 | Control parameters | |
| 8.1.1 | Occupational exposure limits | Not established |
| 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. |

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.

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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	Solid
Colour	Not determined
Odour	Odourless
Melting point/freezing point	>450 °C
Boiling point or initial boiling point and boiling range	Not determined
Flammability	Not determined
Lower and upper explosion limit	Not determined
Flash point	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	12.5
Kinematic viscosity	Not determined
Solubility	Moderately soluble
Partition coefficient: n-octanol/water (log value)	Not determined
Vapour pressure	>450 °C
Density and/or relative density	2.7
Relative vapour density	>450 °C
Particle characteristics	Not determined

9.2 Other information

None Known

10. 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. Strong exothermic reaction with acids. When heated to above 580 °C, calcium dihydroxide decomposes to produce Calcium Oxide (CaO) and Water (H ₂ O). Calcium oxide in turn reacts with water and generates heat. This may pose a risk to flammable material.
10.4	Conditions to avoid	Protect from moisture.
10.5	Incompatible materials	Natural hydraulic lime reacts exothermically to produce salts. Reacts with aluminium and brass in the presence of moisture, leading to the production of hydrogen.
10.6	Hazardous decomposition products	Carbon monoxide, Carbon dioxide

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11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Ingestion

Based upon the available data, the classification criteria are not met.

Acute toxicity - Inhalation

Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw

Based upon the available data, the classification criteria are not met.

Acute toxicity - Skin contact

Acute Toxicity Estimate Mixture Calculation: LC50 >5 mg/l (Dust/Mist)

Based upon the available data, the classification criteria are not met.

Skin corrosion/irritation

Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw

Skin Irrit. 2; H315: Causes skin irritation.

Irritating to skin. (Rabbit) (OECD 404)

Serious eye damage/irritation

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

Irreversible effects on the eye. (Rabbit) (OECD 405)

Respiratory or skin sensitisation

Based upon the available data, the classification criteria are not met.

Germ cell mutagenicity

Based upon the available data, the classification criteria are not met.

Carcinogenicity

Based upon the available data, the classification criteria are not met.

Reproductive toxicity

Based upon the available data, the classification criteria are not met.

STOT - single exposure

STOT SE 3; H335: May cause respiratory irritation.

STOT - repeated exposure

NOAEC: 107 mg/m³ (Rat, Male/Female)(OECD 412)

Aspiration hazard

Based upon the available data, the classification criteria are not met.

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

Based upon the available data, the classification criteria are not met.

12.2 Persistence and degradability

Not applicable for inorganic substances.

12.3 Bioaccumulative potential

Not applicable for inorganic substances.

12.4 Mobility in soil

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

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

14. SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

14.1 UN number or ID number

ADR/RID

Not applicable

IMDG

Not applicable

IATA/ICAO

Not applicable

14.2 UN proper shipping name

Not applicable

Not applicable

Not applicable

14.3 Transport hazard class(es)

Not applicable

Not applicable

Not applicable

14.4 Packing group

Not applicable

Not applicable

Not applicable

14.5 Environmental hazards

Not classified

Not classified as a Marine Pollutant.

Not classified

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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	Not known.		

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	Not applicable
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: Existing ECHA registration for Calcium Hydroxide (CAS No.: 85117-09-5)

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

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
NOAEC	No Observed Adverse Effect Concentration
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 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)

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)

Not available