

SAFETY DATA SHEET (SDS) for PREMIX MORTARS

Revision Date 30/5/22

Version 1.0
Uncontrolled if printed

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product identifier

Trade name: Lime Green Hemp Binder

1.2 Relevant identified uses of the substance and uses advised against

Hemp binder to be mixed with water and shiv in accordance with the relevant TDS.

All other uses advised against.

1.3 Details of the supplier of the Safety Data Sheet

Name: Lime Green Products Ltd
Address: Coates Kilns,
Stretton Road
Much Wenlock
Shropshire
TF13 6DG
Phone N°: 01952 728611
Fax N°: 01952 728361
E-mail of competent person
responsible for SDS in the EU: enquire@lime-green.co.uk

1.4 Emergency telephone number

European Emergency N°: 999 or 112
Emergency telephone at the company 01952 728611
(office hours only)

SECTION 2: HAZARD IDENTIFICATION

2.1. Classification of the substance

2.1.1. Classification according to Regulation (EC) 1272/2008

Skin irritation	2
STOT Single Exposure	3
Serious Eye Damage	1
Skin Sensitisation	1B

2.2. Label elements

2.2.1. Labelling according to Regulation (EC) 1272/2008

Signal word: Danger: contains Portland cement and Calcium Di hydroxide

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Hazard pictogram:



Hazard statements:

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

Precautionary statements:

P102: Keep out of reach of children
P280: Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338+P310: 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
P302+P352+P333+P313: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or a rash occurs get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.
P261: Avoid breathing dust/spray
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P501: Dispose of contents/container in accordance with local regulation

2.3. Other hazards

No other hazards identified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Main constituents

Those listed below, in addition to other non-hazardous impurities.

	CAS number	EC number	Weight % content (or range)	CLP Classification
Hydrated Lime, calcium dihydroxide	1305-62-0	215-137-3	<45 %	H318 H315 H335
Portland Cement Clinker	659997-15-1	266-043-4	<45%	H315 H318 H317 H335

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Limestone	1317-65-3	215-279-6	<20%	Not classified
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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Following inhalation

Stop source of dust or move person to fresh air. Obtain medical attention immediately.

Following skin contact

Carefully and gently brush the contaminated body surfaces to remove all traces of product. Wash the affected area immediately with plenty of water. Remove contaminated clothing. If necessary seek medical advice.

Following eye contact

Rinse eyes immediately with plenty of water or suitable saline solution and seek medical advice. Do not rub eyes.

After ingestion

Rinse mouth with water and drink plenty of water. Do not induce vomiting. Obtain medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

The product is not acutely toxic. The substance is caustic and classified as irritating to skin and the respiratory tract, and entails a risk of serious and permanent damage to the eye.

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

Follow the advice given in section 4.1. When seeking medical attention present this SDS.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

The product is not combustible. Use a dry powder, foam or CO₂ fire extinguisher to extinguish the surrounding fire.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special hazards arising from the substance

None

5.3. Advice for fire fighters

Avoid generation of dust. Use breathing apparatus. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep dust levels to a minimum.

Keep unprotected persons away.

Wear suitable protective equipment (see section 8).

Avoid inhalation of dust.

For emergency responders

Keep dust levels to a minimum.

Keep unprotected persons away.

Wear suitable protective equipment (see section 8).

Avoid inhalation of dust.

6.2. Environmental precautions

Contain any spillage and cover area if possible to avoid unnecessary dust. Avoid uncontrolled spills to watercourses and drains (pH increase). Inform the Environment Agency or other regulatory body in the event of a large spillage into watercourses.

6.3. Methods and material for containment and cleaning up

In all cases avoid dust formation. Use suitable industrial vacuum with HEPA filters for dry product, or shovel into containers using a light water mist to suppress dust. For wet material shovel or mop up. Always use suitable PPE.

6.4. Reference to other sections

For more information on exposure controls/personal protection or disposal considerations, please check section 8 and 13 of this safety data sheet.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Protective measures

Avoid contact with skin and eyes. Wear protective equipment (refer to section 8). Do not wear contact lenses when handling this product. It is also advisable to have eyewash nearby. Keep dust levels to a minimum, taking special care when opening and mixing bags. Avoid inhalation of dust and used suitable dust masks. When handling bags usual precautions should be paid to the risks outlined in the Council Directive 90/269/EEC.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored in dry conditions. Any contact with air and moisture should be avoided. Keep away from acids. Keep out of reach of children.

7.3. Specific end use

None

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

SCOEL recommendation (SCOEL/SUM/137 February 2008; see Section 16.6):

Occupational Exposure Limit (OEL), 8 hrs TWA: 1 mg/m³ respirable dust of calcium dihydroxide
Short-term exposure limit (STEL), 15 min: 4 mg/m³ respirable dust of calcium dihydroxide

HSE EH40/2005 recommendation

Workplace Exposure Limit WEL 8hrs TWA: 0.1mg/m³ respirable dust of crystalline silica

These values are read-across to the product in view of the anticipated equivalent local effect (pH is comparable to that of CaO and Ca(OH)₂).

8.2. Exposure controls

Avoid making dust. Appropriate protective equipment is recommended. Eye protection equipment must be worn. Additionally, face protection, protective clothing and safety shoes are required to be worn as appropriate.

8.2.1. Individual protection measures, such as personal protective equipment

Eye/face protection

Do not wear contact lenses. Wear tight fitting goggles with side shields, or wide vision full goggles. It is also advisable to have eyewash nearby.

Skin protection

Lime is classified as irritating, so exposure to skin should to be minimised as far as possible. Use protective gloves (nitrile), protective standard working clothes fully covering skin, full length trousers, long sleeved overalls, with close fittings at openings and shoes resistant to caustic materials.

Respiratory protection

Local ventilation to keep levels below established threshold values is recommended. A suitable particle filter mask is recommended, depending on the expected exposure levels.

Thermal hazards

None

8.2.2. Environmental exposure controls

All ventilation systems should be filtered before discharge to atmosphere.

Avoid releasing to the environment.

Contain spillages. Any large spillage into watercourses must be reported to the Environment Agency or other regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: solid, powder

Odour: odourless

pH: >12

Melting point: n/a

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Boiling point:	n/a
Flash point:	n/a
Evaporation rate:	n/a
Flammability:	non flammable
Explosive limits:	non explosive
Vapour pressure:	n/a
Vapour density:	n/a
Relative density:	0.7 – 1.8 (see individual TDS)
Solubility in water:	Some components sparingly soluble
Partition coefficient:	n/a
Auto ignition temperature:	n/a
Decomposition temperature:	n/a
Viscosity:	n/a
Oxidising properties:	no oxidising properties

9.2 Other information

None

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reacts with water to form a solid mass which does not pose any hazards.

10.2. Chemical stability

Under normal conditions of use and storage, the product is stable.

10.3. Possibility of hazardous reactions

The product reacts exothermically with acids. When heated above 580 °C, calcium dihydroxide decomposes to produce calcium oxide and water. Calcium oxide reacts with water and generates heat. This may cause risk to flammable material.

10.4. Conditions to avoid

Prevent exposure to air and moisture until use.

10.5. Incompatible materials

The product reacts with acids to form salts. In the wet, unhardened state reacts with aluminium, brass and other base metals leading to the formation of hydrogen.

10.6. Hazardous decomposition products

None.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Not acutely toxic.

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Skin corrosion/irritation

Irritating to skin

Serious eye damage/irritation

Serious damage to the eye and possibly loss of sight

Respiratory or skin sensitisation

None of the main constituents e.g. calcium dihydroxide, calcium carbonate, calcium silicate, silica dioxide and calcined clay minerals, are known to cause any sensitisation.

Irritating to the respiratory tract.

Prolonged exposure of respirable crystalline silica by inhalation may lead to silicosis in lungs.

SECTION 12: Ecological Information

12.1. Toxicity

When used and disposed of as intended, no adverse environmental effects are foreseen. Do not allow un-set product to enter watercourses.

12.2 Persistence and degradability

Not relevant for inorganic substances

12.3 Bioaccumulative potential

Not relevant for inorganic substances

12.4 Mobility in soil

The product reacts with water and/or carbon dioxide to harden, after which it is essentially insoluble, and has low mobility in soils.

12.5 Results of PBT and vPvB assessment

Not relevant for inorganic substances

12.6 Other adverse effects

No other adverse effects are identified

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product: Dispose of the product in accordance with local and national legislation. Harden unused product with water. Do not dispose of in sewers or water courses.

Unhardened Waste Code 16 03 03

Hardened Waste Code 16 03 04

Packaging: empty packaging and dispose of in accordance with local and national legislation. Outer protective plastic hoods are suitable for recycling.

Plastic hoods Waste Code 15 01 02

Empty Sacks Waste Code 15 01 06

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Pallets

Waste Code 15 01 03

SECTION 14: TRANSPORT INFORMATION

The product is not classified as dangerous for transport.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance

Authorisations: Not required
Restrictions on use: None
Other EU regulations: None
National regulations: None

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for this substance.

SECTION 16: OTHER INFORMATION

Data is based on our latest knowledge but does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

Version: 1.2
Supersedes: n/a
Date: 01/16/2017
Valid until: Further notice
Revisions from previous: Removed references to Directive 67/548/EEC
Added new products to list
Removed headings and text where n/a
Added information on crystalline silica
Updated composition info

****End****