

Bio-Chel Ca Powder 22% CaO

Section 1: Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier

Product Name: **Bio-Chel Powder 22% CaO**
Supplier: Engage Agro Europe Ltd
Chorley Business & Technology Centre
Euxton Lane,
Euxton, Chorley
Lancashire PR7 6TE
England
Telephone: +44 (0) 1257 226590



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

Product use: Fertiliser. For professional use only.
Uses advised against: All uses not specified in this section or in section 7.3.

1.3 Emergency telephone

Emergency Telephone	Type of Assistance	Opening Hours
0845 4647	England and Wales: NHS Direct – Health advice and assistance	24 Hours
08454 242424	Scotland: NHS24	24 Hours

Section 2: Hazards identification

2.1 Classification of the Substance and Mixture

CLP Regulation (EC) n°1272/2008: Classification of this product has been carried out in accordance with CLP Regulation (EC) N° 1272/2008.
Eye Dam. 1: H318

2.2 Label elements

Hazard Statements: Eye Dam. 1:H318 Causes serious eye damage

Hazard Pictograms:



Signal Words: Danger
Precautionary Statement: P260 - Do not breathe dust/fume/gas/mist/vapours/spray
Prevention: P264 - Wash hands thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection
Precautionary Statement: P305/351/338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
Response
Precautionary Statement:
Storage
Precautionary Statement:
Disposal

2.3 Other Hazards

Other Hazards: PBT not identified as a PBT substance

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Section 3: Composition/information on ingredients

3.1 Mixtures

In accordance with Annex II of Regulation (EC) n°1907/2006

Identification	Chemical name/Classification		Concentration
CAS: 8061-52-7 EC: Non-applicable Index: Non-applicable REACH: Non-applicable	Calcium lignosulfonate		50-70%
	Regulation 1272/2008	Regulation 67/548/EEC / 1999/45/EC	
Identification	Chemical name/Classification		Concentration
CAS: 544-17-2 EC: 208-863-7 Index: Non-applicable REACH: Non-applicable	Calcium formate		30-50%
	Regulation 1272/2008	Regulation 67/548/EEC / 1999/45/EC	
	Eye Dam. 1: H318		

Section 4: First aid measures

4.1 Description of first aid measures

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention.

- By inhalation:** Move the exposed person to fresh air at once. In the event of breathing difficulties, administer artificial respiration or oxygen. Get medical attention.
- By eye contact:** Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.
- By Ingestion:** Do not induce vomiting or give anything by mouth to an unconscious person. Drink plenty of water. Contact physician if symptoms appear.

4.2 Most Important symptoms and effects, both acute and delayed:

- By Eye contact:** Risk of serious damage to the eyes

4.3 Indication of any immediate medical attention and special treatment needed

- By Eye Contact:** Important! Immediately rinse with water for 15-30 minutes. Remove any contact lenses and rinse with water for at least 15 minutes (keep the eyelids open). Get medical attention immediately, Continue to rinse.

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Section 5: Fire-fighting measures

5.1 Extinguishing media

Extinguishing media: Can be extinguished with water mist, powder, alcohol-resistant foam or carbon dioxide. Do not use a direct water jet.

5.2 Special hazards arising from the substance or mixture

Exposure hazards: None Known

5.3 Advice for firefighters

Advice for fire-fighters: General: Evacuate all personnel, use protective equipment for firefighting. Use portable breathing apparatus when the product is involved in a fire.

Additional provisions:

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Wear necessary protective equipment.

6.2 Environmental precautions

Environmental precautions: Prevent discharge into the sewage system or the immediate environment.

6.3 Methods and material for containment and cleaning up

Clean-up procedures: Absorb with an inert, absorbent material (sand, vermiculite etc.) and collect into a suitable container. Place in a suitable container for refuse treatment according to applicable regulations.

6.4 Reference to other sections

Reference to other sections: See section 2, 7, 8 and 13 for further information.

Section 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling: Provide good ventilation. Eliminate all sources of ignition. If enclosed handling cannot be guaranteed, ventilation and protective clothing must be used.

7.2 Conditions for safe storage, including any incompatibilities

General conditions for storage: Keep in original container. Keep cool and dry and well clear of ignition sources.

7.3 Specific end use(s)

Specific end use(s): The product is corrosive.

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Section 8: Exposure controls/personal protection

8.1 Control Parameters

Substances whose occupational exposure limits have to be monitored in the work environment. There are no environmental limits for the substances contained in the product.

DNEL (Workers): Non-applicable
DNEL (General population): Non-applicable
PNEC: Non-applicable

8.2 Exposure controls



A - General security and hygiene measures in the work place

Provide adequate general and local exhaust ventilation. Emergency shower and facilities for eye rinsing shall be available. Use suitable protective gloves, protective goggles and protective clothes if there is a risk of splashing.

B - Specific Respiratory Protection

No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment.

C - Specific protection for the hands

Wear Rubber gloves.

D - Ocular and facial protection

Use approved safety goggles or face shield.

E - Bodily protection

Wear suitable protective clothing.

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. Prevent further leakage or spillage if safe to do so

Volatile organic compounds

Non-applicable

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Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State:	Powder
Colour:	Brown
Odour:	Weak Characteristic
Solubility:	Miscible with water
Explosive properties:	No data available
Oxidising properties:	No data available
pH (Solution for use):	4.5-6.5
pH (Concentrate):	No data available
Melting point:	No data available
Freezing point:	No data available
Initial boiling point and range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (Solid, gas):	No data available
Flammability limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative Density:	No data available
Partition coefficient:	No data available
Auto-ignitions temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Odour threshold:	No data available

9.2 Other Information

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity: Not reactive.

10.2 Chemical stability

Chemical stability: The product is stable when used in accordance with the suppliers directions.

10.3 Possibility of hazardous reactions

Hazardous reactions: Oxidising substances and strong bases.

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10.4 Conditions to avoid

Conditions to avoid: Avoid high temperatures and direct sunlight.

10.5 Incompatible materials

Incompatible materials: None known

10.6 Hazardous decomposition products

Haz. Decomposition Products: None known

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity - oral

Calcium lignosulfonate	Organism:	Rat	Test Type:	LD50	Value:	>5000mg/kg
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Skin corrosion/irritation

Calcium lignosulfonate	Organism	Rabbit	Test Method:	OECD 404	Conc.	Non-irritating
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Serious eye damage/eye irritation

Calcium lignosulfonate	Organism	Rabbit	Test Method:	OECD 405	Conc.	Non-irritating
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Causes burns. Risk of serious damage to the eyes.

Other toxicological effects

Calcium lignosulfonate	Organi	Rabbit	Test	OECD 429	Conc.	Non-sensitising
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11.2 Specific toxicology information on the substances

No data available

Section 12: Ecological information

12.1 Toxicity

Organism	Specie	Exposure time	Test	Value	Source
Fish	Brachydanio rerio	96h	EC50	> 1000mg/l	Similar product
Algae	Scenedesmus subspicatus	24, 48, 72h	EC50	> 600mg/l	Similar product
Crustacea	Daphnia magna	24, 48h	EC50	> 1000mg/l	Similar product

Not regarded as dangerous for the environment

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12.2 Persistence and degradability

Expected to be readily biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation improbable.

12.4 Mobility in soil

Water soluble

12.5 Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances

12.6 Other adverse effects

None known

Section 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment methods: Dump or destroy in accordance with official recommendations and applicable legislation.

Disposal of packaging: Dispose of empty container in compliance with local and national regulations.

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Section 14: Transport information

14.1 UN Number

This product is not classified as dangerous for carriage.

14.2 UN proper shipping name

The product is not classified as dangerous for carriage.

14.3 Transport hazard class(es)

This product is not classified as dangerous for carriage.

14.4 Packaging group

The products is not classified as dangerous for carriage.

14.5 Environmental hazards

The product is not classified as dangerous for carriage.

14.6 Special precautions for user

The product is not classified as dangerous for carriage.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

The product is not classified as dangerous for carriage.

Section 15: Regulatory information

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

Specific provisions: ADR/RD. REACH (EC 1907/2006) GHS/CLP (EC No 1272/2008) GHS USA June 2015

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15.2 Chemical Safety Assessment

Chemical safety assessment: No data available

Section 16 Other information

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Annex II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EU) N° 453/2010, Regulation (EC) N° 2015/830)

Modifications related to the previous security card which concerns the ways of managing risks:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

Eye Dam. 1: H318 Causes serious eye damage

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

CLP Regulation (EC) n° 1272/2008:

Eye Dam. 1: H318 Causes serious eye damage

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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