

Bio-Chel Ca Liquid 10% CaO

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

1.1 Product identifier

Product Name: **Bio-Chel Liquid 10% 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: P280 - Wear protective gloves/protective clothing/eye protection/face protection
Prevention

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: P310 - Immediately call a POISON CENTRE/doctor

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	Lignosulfonic acid, calcium salt Regulation 1272/2008 Aquatic chronic 4: H413	10 - <20%
CAS: 544-17-2 EC: 208-863-7 Index: Non-applicable REACH: 01-2119486476-24	Calcium diformate Regulation 1272/2008 Eye Dam. 1: H318	10 - <20%
CAS: 52-51-7 EC: 200-143-0 Index: 603-085-00-8 REACH: 01-2119980938-15	Bronopol (INN) Regulation 1272/2008 Eye Dam. 1: H318, Acute Tix. 4: H302+H312, Aquatic Acute 1: H400, Skin Irrit. 2: H315, STOT SE 3: H335	<1%
CAS: 64-19-7 EC: 200-580-7 Index: 607-002-00-6 REACH: 01-2119475328-30	Acetic acid Regulation 1272/2008 Flam Liq. 3: H226, Skin Corr. 1A: H314	<1%

Identification	Chemical name/Classification
CAS: 52-51-7 EC: 200-143-0 Index: 603-085-00-8 REACH: 01-2119980938-15	Bronopol (INN) M-Factor Acute 10 Chronic 10

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 for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation: This product is not classified as hazardous through inhalation. However in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact: This product is not classified as hazardous when in contact with the skin. However in case of intoxication symptoms it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap In case of serious reaction consult a doctor.

By eye contact: Rinse eyes thoroughly with Luke warm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product

By Ingestion: Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable

Section 5: Fire-fighting measures

5.1 Extinguishing media

Extinguishing media: Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent

5.2 Special hazards arising from the substance or mixture

Exposure hazards: As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and consequently, can present a serious health risk.

5.3 Advice for firefighters

Advice for fire-fighters: Depending on the magnitude of the fire it may be necessary to use full protective clothing and self contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit...) in accordance with Directive 89/654/EC.

Additional provisions: Act in accordance with the Internal Emergency Plan and the Information Sheets for actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

6.2 Environmental precautions

Environmental precautions: Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

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6.3 Methods and material for containment and cleaning up

Clean-up procedures:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections

Reference to other sections: See sections 8 and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

A - Precautions for safe manipulation:

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (See section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B - Technical recommendations for the prevention of fires and explosions:

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks) and transfer at slow speeds to avoid the creation of electrostatic charges. Avoid splashes and pulverisations. Consult section 10 for conditions and materials that should be avoided.

C - Technical recommendations to prevent ergonomically and toxicological risks:

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D - Technical recommendations to prevent environmental risks:

It is recommended to have absorbent material available at close proximity to the product (see section 6 Methods and Material for Containment and Cleaning up).

7.2 Conditions for safe storage, including any incompatibilities

Technical measures for storage:

Minimum temp.: 0°C
Maximum temp.: 25°C
Maximum time: 24 months

General conditions for storage:

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5.

7.3 Specific end use(s)

Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

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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.

Identification		Environmental limits	
Propane-1,2-diol		WEL (8h)	10 mg/m ³
CAS: 57-55-6		WEL (15min)	
EC: 200-338-0		Year	2017
Identification		Environmental limits	
Acetic acid		WEL (8h)	10 ppm 25 mg/m ³
CAS: 64-19-7		WEL (15min)	15 ppm 37 mg/m ³
EC: 200-338-0		Year	2017

DNEL (workers):

Identification		Short Exposure		Long Exposure	
		Systemic	Local	Systemic	Local
Calcium diformate	Oral	Not applicable	Not applicable	Not applicable	Not applicable
CAS: 544-17-2	Dermal	4780 mg/kg	Not applicable	4780 mg/kg	Not applicable
EC: 208-863-7	Inhalation	337 mg/m ³	Not applicable	337 mg/m ³	Not applicable
Identification		Short Exposure		Long Exposure	
		Systemic	Local	Systemic	Local
Bronopol (INN)	Oral	Not applicable	Not applicable	Not applicable	Not applicable
CAS: 52-51-7	Dermal	7 mg/kg	Not applicable	2.3 mg/kg	Not applicable
EC: 200-143-0	Inhalation	12.3 mg/m ³	4.2 mg/m ³	4.1 mg/m ³	4.2 mg/m ³
Identification		Short Exposure		Long Exposure	
		Systemic	Local	Systemic	Local
Acetic acid	Oral	Not applicable	Not applicable	Not applicable	Not applicable
CAS: 64-19-7	Dermal	Not applicable	Not applicable	Not applicable	Not applicable
EC: 200-580-7	Inhalation	Not applicable	15 mg/m ³	Not applicable	25 mg/m ³

DNEL (General population):

Identification		Short Exposure		Long Exposure	
		Systemic	Local	Systemic	Local
Calcium diformate	Oral	Not applicable	Not applicable	23.9 mg/kg	Not applicable
CAS: 544-17-2	Dermal	2390 mg/kg	Not applicable	2390 mg/kg	Not applicable
EC: 208-863-7	Inhalation	83.2 mg/m ³	Not applicable	83.2 mg/m ³	Not applicable
Identification		Short Exposure		Long Exposure	
		Systemic	Local	Systemic	Local
Bronopol (INN)	Oral	1.1 mg/kg	Not applicable	0.35 mg/kg	Not applicable
CAS: 52-51-7	Dermal	4.2 mg/kg	Not applicable	1.4 mg/kg	Not applicable
EC: 200-143-0	Inhalation	3.7 mg/m ³	1.3 mg/m ³	1.2 mg/m ³	1.3 mg/m ³
Identification		Short Exposure		Long Exposure	
		Systemic	Local	Systemic	Local
Acetic acid	Oral	Not applicable	Not applicable	Not applicable	Not applicable
CAS: 64-19-7	Dermal	Not applicable	Not applicable	Not applicable	Not applicable
EC: 200-580-7	Inhalation	Not applicable	25 mg/m ³	Not applicable	25 mg/m ³

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PNEC:

Identification				
	STP	2.21 mg/l	Fresh water	2 mg/l
	Soil	1.5 mg/kg	Marine Water	0.2 mg/l
	Intermittent	10 mg/L	Sediment (fresh water)	13.4 mg/kg
	Oral	Not applicable	Sediment (marine water)	1.34 mg/kg
	STP	0.43 mg/l	Fresh water	0.01 mg/l
	Soil	0.5 mg/kg	Marine Water	0.0008 mg/l
	Intermittent	0.0025 mg/l	Sediment (fresh water)	0.041 mg/kg
	Oral	Not applicable	Sediment (marine water)	0.00328 mg/kg
	STP	85 mg/l	Fresh water	3.058 mg/l
	Soil	0.47 mg/kg	Marine Water	0.3058 mg/l
	Intermittent	30.58 mg/l	Sediment (fresh water)	11.36 mg/kg
	Oral	Not applicable	Sediment (marine water)	1.136 mg/kg

8.2 Exposure controls




A - General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic personal protective equipment, with the corresponding 'CE Marking' in accordance with Directive 89/686/EC. For more information on personal protective equipment (storage, use, cleaning, maintenance, class of protection, ...) consult the information leaflet provided by the manufacturer. For more information see Section 7 Precautions for Safe Handling. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B - Specific Respiratory Protection


The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C - Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Protective gloves against minor risks	CE, Cat I		Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend CE III in line with standards EN 420 and EN 374.


As the product is a mixture of several substances, the resistance of the glove material can not be predicted in advance with total reliability and has therefore to be checked prior to the application.

D - Ocular and facial protection



Pictogram	PPE	Labelling	CEN Standard	Remarks
	Panoramic glasses against liquid splash	CE, Cat II	EN 166:2001 EN ISO 4007:2012	Clean daily and disinfect periodically according to the manufacturers instructions. Us if there is a risk of splashing

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E - Bodily protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE, Cat I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2001, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994
	Anti-slip work shoes	CE, Cat II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with regulations EN 20354 and EN 13832-1

F - Additional emergency measures

Emergency measure	Standards
	ANSI Z358-1 ISO 3864-1:2002
 Eyewash	DIN 12 899 ISO 3864-1:2002

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

With regards to Directive 2010/75/EU, this product has the following characteristics:

V.O.C (Supply): 0% weight
 V.O.C. density at 20°C: 0 kg/m³ (0g/L)
 Average Carbon No.: 2
 Average molecular Weight: 60.1 g/mol

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Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State:	Liquid
Appearance:	Fluid
Colour:	Brown
Odour:	Characteristic
Odour threshold:	Not applicable
Boiling point at atmospheric pressure:	100°C
Vapour pressure at 20°C:	Not applicable
Vapour pressure at 50°C:	Not applicable
Evaporation rate at 20°C:	Not applicable
Density at 20°C:	1180-1220 kg/m ³
Relative density at 20°C:	1.18-1.22
Dynamic viscosity at 20°C:	Not applicable
Kinematic viscosity at 20°C:	Not applicable
Kinematic viscosity at 40°C:	Not applicable
Concentration:	Not applicable
pH:	3.8-5.8
Vapour density at 20°C:	Not applicable
Partition coefficient:	Not applicable
Solubility in water at 20°C:	Not applicable
Solubility properties:	Soluble
Decomposition temperature:	Not applicable
Melting point/freezing point:	Not applicable
Explosive properties:	Not applicable
Oxidising properties:	Not applicable
Flash point:	Not flammable (>60°C)
Flammability (solid, gas):	Not applicable
Autoignition temperature:	Not applicable
Lower flammability limit:	Not applicable
Upper flammability limit:	Not applicable
Lower explosive limit:	Not applicable
Upper explosive limit:	Not applicable

9.2 Other Information

Surface tension at 20°C:	Not applicable
Refraction index:	Not applicable

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity: No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability

Chemical stability: Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions

Hazardous reactions: Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

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10.4 Conditions to avoid

Applicable for handling and storage at room temperature

Shock and friction:	Not applicable
Contact with air:	Not applicable
Increase in temperature:	Precaution
Sunlight:	Precaution
Humidity:	Not applicable

10.5 Incompatible materials

Acids:	Avoid strong acids
Water:	Not applicable
Combustive materials:	Avoid direct impact
Combustible materials:	Not applicable
Others:	Avoid alkalis or strong bases

10.6 Hazardous decomposition products

Haz. Decomposition Products: See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released (carbon dioxide, carbon monoxide and other organic compounds).

Section 11: Toxicological information

11.1 Information on toxicological effects

The experimental information related to the toxicological properties of the product itself is not available.

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommend by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A - Ingestion:

Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see Section 3.

Corrosive/irritability: Based on available data, the classification criteria are not met, however it contains substances classified as dangerous for this effect. For more information see Section 3.

B- Inhalation:

Acute Toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see Section 3.

Corrosive/irritability: Based on available data, the classification criteria are not met, however, it does contain substances classified as dangerous for this effect. For more information see Section 3.

C- Contact with the skin and eyes:

Contact with skin: Based on available data, the classification criteria are not met, as it does not contain substances dangerous for skin contact. For more information see Section 3.

Contact with eyes: Produces serious eye damage after contact.

D - CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see Section 3.

Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see Section 3.

Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see Section 3.

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E - Sensitising effects:

Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see Section 3.

Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see Section 3.

F - Specific target organ toxicity (STOT)-time exposure:

Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for this effect. For more information see Section 3.

G - Specific target organ toxicity (STOT)-repeated exposure:

Specific target organ toxicity (STOT) repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see Section 3.

Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see Section 3.

H - Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see Section 3.

11.2 Specific toxicology information on the substances

Acute Toxicity Data:

Component	LD ₅₀ Oral (mg/kg)	LD ₅₀ Dermal (mg/kg)	LD ₅₀ Inhalation (mg/L, 4 hrs.)
lignosulfonic acid, calcium salt	>2000	>2000	>5 mg/L (4h)
calcium diformate	2001	>2000	>5
Bronopol (INN)	500	1600	>5
Acetic acid	2500	>2000	>20

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	>2000 mg/kg (calculation method)	Not applicable
Dermal	>2000 mg/kg (calculation method)	Not applicable
Inhalation	>20 mg/L (4h) (calculation method)	Not applicable

Section 12: Ecological information

12.1 Toxicity

Identification	Acute toxicity		Species	Genus
Calcium diformate CAS: 544-17-2 EC: 208-863-7	LC50	Not applicable		
	EC50	250 mg/l (48h)	Daphnia magna	crustacean
	EC50	Not applicable		
Bronopol (INN) CAS: 52-51-7 EC: 200-143-0	LC50	0.1-1 mg/l (96h)		Fish
	EC50	0.1-1 mg/l		Crustacean
	EC50	0.1-1 mg/l		Algae
Acetic acid CAS: 64-19-7 EC: 200-580-7	LC50	75 mg/l (96h)	Lepomis macrochirus	Fish
	EC50	47mg/l (24h)	Daphnia magna	Crustacean
	EC50	Not applicable		

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12.2 Persistence and degradability

Identification	Degradability		Biodegradability	
Lignosulfonic acid, calcium salt CAS: 8061-52-7 EC: Not applicable	BOD5	Not applicable	Concentration	Not applicable
	COD	Not applicable	Period	Not applicable
	BOD5/COD	Not applicable	% biodegradable	32%
Bronopol (INN) CAS: 52-51-7 EC: 200-143-0	BOD5	Not applicable	Concentration	100 mg/l
	COD	Not applicable	Period	28 days
	BOD5/COD	Not applicable	% biodegradable	0%
Acetic acid CAS: 64-19-7 EC: 200-580-7	BOD5	Not applicable	Concentration	100 mg/l
	COD	Not applicable	Period	14 days
	BOD5/COD	Not applicable	% biodegradable	74%

12.3 Bioaccumulative potential

Identification	Bioaccumulation potential	
Bronopol (INN) CAS: 52-51-7 EC: 200-143-0	BCF	0.6
	Pow Log	-0.64
	Potential	Low
Acetic acid CAS: 64-19-7 EC: 200-580-7	BCF	3
	Pow Log	-0.71
	Potential	Low

12.4 Mobility in soil

Identification	Absorption/desorption		Volatility	
Acetic acid CAS: 64-19-7 EC: 200-580-7	Koc	Not applicable	Henry	Not applicable
	Conclusion	Not applicable	Dry soil	Not applicable
	Surface tension	2.699E-2 N/m (25°C)	Moist soil	Not applicable

12.5 Results of PBT and vPvB assessment

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects

None known

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Section 13: Disposal considerations

13.1 Waste treatment methods

Code	Description	Waste class (Regulation (EU) No 1357/2014)
06 10 02	Waste containing hazardous substances	Dangerous

Type of Waste (Regulation (EU) No 1357/2014):

HP4 Irritant - skin irritation and eye damage

Waste Management (disposal and evaluation):

Consult the authorised waste service manager on the assessment and disposal operations in accordance with Annex I and Annex II (Directive 2008/98/EC). Under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed in the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommend disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

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.

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Section 15: Regulatory information

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

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC with amendments.
COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending regulation (EC)No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
REGULATION (EC) No 1727/2008 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) of 16 December 2008 on classification, labelling and packaging of substances and mixture, amending and repealing Directives 6/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; with amendments
Regulation (EU) No 946/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals
Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on Persistent organic Pollutants and amending Directive 79/117/EC
European Agreement Concerning the Carriage of Dangerous Goods by Road (ADR), 2015

15.2 Chemical Safety Assessment

Chemical safety assessment: No data available

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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

Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin

Aquatic Acute 1: H400 - Very toxic to aquatic life

Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life

Flam. Liq. 3: H226 - Flammable liquid and vapour

Skin Corr. 1A: H314 - Causes severe skin burns and eye damage

Skin Irrit. 2: H315 - Causes skin irritation

STOT SE 3: H335 - May cause respiratory irritation

Classification procedure:

Eye Dam. 1: Calculation method

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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Engage Agro Europe Ltd

Chorley Business & Technology Centre | Euxton Lane | Euxton | Chorley | Lancashire PR7 6TE

T: +44 (0) 1257226590

E: info@engage-agro.com

www.engageagroeurope.com