

Summary of product characteristics for a biocidal product

Product name: BIOCALCO QL

Product type(s): PT02 - Disinfectants and algaecides not intended for direct application to humans or animals (Disinfectants)

PT03 - Veterinary hygiene (Disinfectants)

Authorisation number: FR-2023-0080

R4BP 3 asset reference number: FR-0031598-0000

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Administrative information

1.1. Trade names of the product

BIOCALCO QL

1.2. Authorisation holder

Name and address of the authorisation holder	Name	CARMEUSE EUROPE S.A.
	Address	Boulevard de Lauzelle , 65 1348 Ottignies Louvain-La-Neuve Belgium
Authorisation number	FR-2023-0080	
R4BP 3 asset reference number	FR-0031598-0000	
Date of the authorisation	09/01/2024	
Expiry date of the authorisation	08/01/2034	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Carmeuse chaux
Address of the manufacturer	215 route d'Arras 62320 Bois Bernard France
Location of manufacturing sites	215 route d'Arras 62320 Bois Bernard France

Name of the manufacturer	Carmeuse Czech Republic s.r.o.
Address of the manufacturer	Mokrá 359, 664 04 Mokrá Czech Republic
Location of manufacturing sites	závod Vápenka Mokrá, Mokrá 359 664 04 Mokrá Czech Republic

Name of the manufacturer	Carmeuse Holding Srl
Address of the manufacturer	Str.Carierei Nr.127A 500047 Brasov Romania
Location of manufacturing sites	Str Garii 2 135100 Fieni Romania
	Str Principala 1 337457 Com. Soimus Romania
	Valea Mare Privat 117805 Campulung Romania

Name of the manufacturer	Carmeuse Hungaria kft
Address of the manufacturer	HRSZ 064/1 7827 Beremend Hungary
Location of manufacturing sites	HRSZ 064/1 7827 Beremend Hungary

Name of the manufacturer	Carmeuse SA
Address of the manufacturer	13a Rue du Château 5300 Seilles Belgium
Location of manufacturing sites	1 Rue de Boudjesse 5070 Aisemont Belgium
	300 Rue du Val Notre Dame 4520 Moha Belgium
	13a Rue du Château 5300 Seilles Belgium

Name of the manufacturer	Carmeuse Slovakia s.r.o.
Address of the manufacturer	Slavec 049 11 Slavec Slovakia
Location of manufacturing sites	závod Vápenka Košice, Vstupný areál U.S. Steel 044 54 Košice Slovakia
	závod Vápenka Slavec, Slavec 179 049 11 Slavec Slovakia

1.4. Manufacturer(s) of the active substance(s)

Active substance	1259 - Calcium oxide/lime/burnt lime/quicklime
Name of the manufacturer	Carmeuse Chaux
Address of the manufacturer	215 route d'Arras, 62320 Bois Bernard France
Location of manufacturing sites	215 route d'Arras, 62320 Bois Bernard France

Active substance	1259 - Calcium oxide/lime/burnt lime/quicklime
Name of the manufacturer	Carmeuse Czech Republic s.r.o.
Address of the manufacturer	závod Vápenka Mokrá, Mokrá 359, 664 04 Mokrá Czech Republic
Location of manufacturing sites	závod Vápenka Mokrá, Mokrá 359, 664 04 Mokrá Czech Republic

Active substance	1259 - Calcium oxide/lime/burnt lime/quicklime
Name of the manufacturer	Carmeuse Holding Srl
Address of the manufacturer	Str.Carierei Nr.127A, 500047 Brasov Romania
Location of manufacturing sites	Str Principala 1, 337457 Com. Soimus Romania
	Valea Mare Pravat, 117805 Campulung Romania
	Str Garii 2, 135100 Fieni Romania

Active substance	1259 - Calcium oxide/lime/burnt lime/quicklime
Name of the manufacturer	Carmeuse Hungaria kft
Address of the manufacturer	HRSZ 064/1, 7827 Beremend Hungary
Location of manufacturing sites	HRSZ 064/1, 7827 Beremend Hungary

Active substance	1259 - Calcium oxide/lime/burnt lime/quicklime
Name of the manufacturer	Carmeuse SA
Address of the manufacturer	Rue du Château 13a, 5300 Seilles Belgium
Location of manufacturing sites	Rue du Val Notre Dame 300, 4520 Moha Belgium
	Rue du Château 13a, 5300 Seilles, Belgium
	Rue de Boudjesse 1, 5070 Aisemont Belgium

Active substance	1259 - Calcium oxide/lime/burnt lime/quicklime
Name of the manufacturer	Carmeuse Slovakia s.r.o
Address of the manufacturer	závod Vápenka Slavec 179, 04911 Slavec Slovakia
Location of manufacturing sites	závod Vápenka Slavec 179, 04911 Slavec Slovakia
	závod Vápenka Košice, Vstupný areál U.S. Steel 0455 Košice Slovakia

2. Product composition and formulation

2.1. Qualitative and quantitative information on the composition of the biocidal product

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Calcium oxide/lime/burnt lime/quicklime		Active Substance	1305-78-8	215-138-9	50

2.2. Type of formulation

DP - Dustable powder

3. Hazard and precautionary statements

Hazard statements

Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation.
Reacts violently with water.

Precautionary statements

Wear gloves/protective clothing/eye protection/face protection..
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 or doctor/physician.
IF ON SKIN:Wash with plenty of soap and water.
Avoid breathing dust.
IF INHALED:Remove person to fresh air and keep comfortable for breathing.
Dispose of container to national regulations.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Specific treatment (see instructions on this label).
If skin irritation occurs:Get medical advice.
Take off contaminated clothing.And wash it before reuse.
Call a poison center/doctor if you feel unwell.
Store in a well-ventilated place.Keep container tightly closed.
Store locked up.

4. Authorised use(s)

4.1 Use description

Use 1 - Use # 1 – Disinfection of sewage sludge

Product type

PT02 - Disinfectants and algacides not intended for direct application to humans or animals (Disinfectants)

Where relevant, an exact description of the authorised use

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Target organism(s) (including development stage)

Scientific name: Bacteria
Common name: Bacteria
Development stage: all

Scientific name: Endoparasites
Common name: helminth eggs
Development stage: Eggs

Field(s) of use

Indoor
Outdoor
Indoor, outdoor
The product is dosed into the sewage sludge and mixed by means of a blender.

Application method(s)

Method: Automatic direct application
Detailed description:

Ready to use product

The dry product is mixed with the sewage sludge in an open mixer. The product should be loaded by fully automated processes.

The dose must be high enough to achieve a pH of > 12 and a temperature >50°C during the contact time.

Contact time: 24h

Application rate(s) and frequencies

Application Rate: 0.4 – 4.0 kg product (0.2 – 2 kg a.s) / kg dry weight of substrate; typical dry solids content - 12-25% in sewage sludge.
Dilution (%): -
Number and timing of application:

The dose must be high enough to achieve a pH of > 12 and a temperature >50°C during the contact time.

Contact time: 24h

Category(ies) of users

Pack sizes and packaging material

Professional

Bulk Big bags or sacks: 750 kg

4.1.1 Use-specific instructions for use

- The dose must be high enough to achieve a pH of > 12 and a temperature >50°C during 24 hours.
- Application rate: 0.4 – 4.0 kg product (0.2 – 2 kg a.s) / kg dry weight of substrate; typical dry solids content - 12-25% in sewage sludge.
- The ratios may vary between applications and treatment plant designs. The user must ensure that the treatment is effective through preliminary laboratory tests that guarantee efficacy according to the legislation applicable to each case.

4.1.2 Use-specific risk mitigation measures

- The loading of burnt lime powder into the treatment unit must be done semi or fully automatically.
- Considering the use of big bags (750 kg), the loading into the treatment unit and the disposal of empty bags must be performed using a forklift or a tele handler (including a closed cabin).
- During the semi-automated loading and the cleaning of the unit treatment, wear :
 - a respiratory protective equipment at least APF 40;
 - chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);
 - protective coverall (coverall material to be specified by the authorisation holder within the product information).;
 - chemical goggles.
- During the fully automated loading of the product and the disposal of big empty bags, wear:
 - a respiratory protective equipment at least APF 10;
 - chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);
 - protective coverall (coverall material to be specified by the authorisation holder within the product information);
 - chemical goggles.
- During the treatment of sewage sludge, the wear of air fed or canister RPE specific for ammonia gas, is recommended in absence of collective management measures to estimate and prevent an exposure greater than the EUOEL of 14 mg/m³ for this gas.
- Wear protective gloves and protective coverall during the manual handling of treated sewage sludge.

4.1.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

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4.1.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

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4.1.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

Lime products are not degradable. If stored in damp conditions the products may react.

4.2 Use description

Use 2 - Use # 2 – Disinfection of manure

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: all Scientific name: Viruses Common name: Viruses Development stage: all Scientific name: Endoparasites Common name: helminth eggs Development stage: Eggs
Field(s) of use	Indoor Outdoor Indoor, outdoor The product is dosed into the manure and mixed by means of a blender.
Application method(s)	Method: Automatic direct application Detailed description: Ready to use of product The product is mixed with the manure. The product should be loaded by fully automated processes. The application rate must be sufficient to maintain a pH of > 12 and a temperature > 60°C during the contact time. Contact time: 24 hours

Application rate(s) and frequencies

Application Rate: Do not apply more than 200 kg product (100 kg a.s) /m3 of manure. The mixture should be moistened and any self-ignition that might occur should be extinguished with water. After the necessary contact time, dispose of the lime treated manure according to local legislation.

Dilution (%): -
Number and timing of application:

The application rate must be sufficient to maintain a pH of > 12 and a temperature > 60°C during the contact time.

Contact time: 24 hours

Category(ies) of users

Professional

Pack sizes and packaging material

Bulk Big bags or sacks: 750kg

4.2.1 Use-specific instructions for use

- The application rate must be sufficient to maintain a pH of > 12 and a temperature > 60°C during the contact time.
- Remove the manure from the animal house.

Application rate:

- 1. Do not apply more than 200 kg product (100 kg a.s) /m3 of manure.
- 2. The mixture should be moistened and any self-ignition that might occur should be extinguished with water.
- 3. After the necessary contact time, dispose of the lime treated manure according to local legislation.

4.2.2 Use-specific risk mitigation measures

-The loading of burnt lime powder into the treatment unit must be done semi or fully automatically.

-Considering the use of big bags (750 kg), the loading into the treatment unit and the disposal of empty bags must be performed using a forklift or a tele handler (including a closed cabin).

-During the semi-automated loading and the cleaning of the unit treatment , wear :

- a respiratory protective equipment at least APF 40;
- chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);
- protective coverall (coverall material to be specified by the authorisation holder within the product information).;
- chemical goggles.

During the fully automated loading of the product and the disposal of empty bags, wear :

- a respiratory protective equipment at least APF 10;
- chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);
- protective coverall (coverall material to be specified by the authorisation holder within the product information).;
- chemical goggles.

-During the treatment of manures, the wear of air fed or canister RPE specific for ammonia gas, is recommended in absence of collective management measures to estimate and prevent an exposure greater than the EUOEL of 14 mg/m3 for this gas.

-Wear protective gloves and protective coverall during the manual handling of treated manures.

- Do not apply the product if releases from animal housings or manure/slurry storage areas can be directed to a sewage treatment plant or other aquatic environment.

4.2.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

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4.2.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

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4.2.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

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5. General directions for use

5.1. Instructions for use

- Comply with the instructions for use.
- Respect the indicated contact time and pH for the required antimicrobial activity.
- For outdoor uses, do not apply in case of rain or wind.

5.2. Risk mitigation measures

- Do not let bystander (including co-workers and children) and pets enter the treatment area during all the treatment duration (including the loading, the application of the product, the disposal of empty bags and the acting time).
- Use only in a well ventilated area.

5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

- IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing. If symptoms: Call 112/ambulance for medical assistance. If no symptoms: Call a POISON CENTRE or a doctor.
- IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.
- IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTER or a doctor.
- IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance. Information to Healthcare personnel/doctor: The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid.

5.4. Instructions for safe disposal of the product and its packaging

- Do not discharge unused product on the ground, into water courses, into pipes (sink, toilets...) nor down the drains.
- Dispose of unused product, its packaging (...) and all other waste, in accordance with local regulations.

5.5. Conditions of storage and shelf-life of the product under normal conditions of storage

- Protect from humidity.
- Shelf-life: 2 years.
- Store away from acids.

6. Other information

The applicant should give indications of application of the product (dilution, quantity applied on surfaces, etc.) on the label in order to guarantee the efficacy of the product during its application.