

**EN**

***ANNEX***

**SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT**

HyCal 15-IE-en

**Product type(s)**

PT03: Veterinary hygiene

**Authorisation number:** IE/BPA 70613 1-1

**R4BP asset number:** IE-0031562-0019

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## 1. ADMINISTRATIVE INFORMATION

### 1.1. Trade name(s) of the product

Trade name(s)	HyCal 15
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### 1.2. Authorisation holder

Name and address of the authorisation holder	Name	Clogrennane Lime Ltd
	Address	Clogrennane R93 EV26 Carlow Ireland
Authorisation number	IE/BPA 70613 1-1	
<i>R4BP asset number</i>	IE-0031562-0019	
Date of the authorisation	12/09/2023	
Expiry date of the authorisation	12/09/2033	

### 1.3. Manufacturer(s) of the product

Name of manufacturer	Nutribio Ltd.
Address of manufacturer	Tivoli Industrial Estate - Cork Ireland
Location of manufacturing sites	Tivoli Industrial Estate - Cork Ireland

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

Active substance	Calcium dihydroxide/calcium hydroxide/caustic lime/hydrated lime/slaked lime
Name of manufacturer	Clogrennane Lime Ltd
Address of manufacturer	Clogrennane R93 EV26 Carlow Ireland
Location of manufacturing sites	Clogrennane R93 EV26 Carlow Ireland

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## 2. PRODUCT COMPOSITION AND FORMULATION

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

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Calcium dihydroxide/ calcium hydroxide/ caustic lime/ hydrated lime/ slaked lime		active substance	1305-62-0	215-137-3	15
Calcium carbonate		Non-active substance	0471-34-1	207-439-9	85

### 2.2. Type(s) of formulation

DP Dustable powder

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### 3. HAZARD AND PRECAUTIONARY STATEMENTS

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 clothing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER. P302+P352: IF ON SKIN: Wash with plenty of water. P261: Avoid breathing dust. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P501: Dispose of container to waste.

## 4. AUTHORISED USE(S)

### 4.1. Use description

**Table 1. Disinfection of indoor floor surfaces of animal accommodations.**

Product type	PT03: Veterinary hygiene														
Where relevant, an exact description of the authorised use	<p>Disinfection of indoor floor surfaces of animal accommodations. The product is spread onto the floors of animal accommodations using manual or automated techniques. Manual spreading using a shovel or semi-automated using a low-impact spreader.</p> <p>a. On concrete floors</p> <ol style="list-style-type: none"> <li>1. Wash the installation with running water</li> <li>2. Sprinkle the appropriate amount of product from the table below to cover the damp ground:</li> </ol> <table border="1"> <thead> <tr> <th>Calcium dihydroxide content in product (%)</th> <th>Amount of product (kg /m<sup>2</sup>)</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>1</td> </tr> <tr> <td>20</td> <td>0.75</td> </tr> <tr> <td>30</td> <td>0.5</td> </tr> <tr> <td>40</td> <td>0.375</td> </tr> <tr> <td>50</td> <td>0.3</td> </tr> <tr> <td>65</td> <td>0.23</td> </tr> </tbody> </table> <ol style="list-style-type: none"> <li>3. Leave to act for at least 2 h</li> </ol>	Calcium dihydroxide content in product (%)	Amount of product (kg /m <sup>2</sup> )	15	1	20	0.75	30	0.5	40	0.375	50	0.3	65	0.23
Calcium dihydroxide content in product (%)	Amount of product (kg /m <sup>2</sup> )														
15	1														
20	0.75														
30	0.5														
40	0.375														
50	0.3														
65	0.23														
Target organism(s) (including development stage)	<p>Scientific name: Bacteria Common name: Bacteria Development stage: All</p> <p>Scientific name: Yeasts Common name: Yeasts Development stage: All</p>														
Field(s) of use	<p>indoor use</p> <p>Farms</p>														
Application method(s)	<p>Method: manual application</p> <p>Detailed description: Method: Manual application Detailed description: The product is spread as is, directly on to floors. Spreading is done manually using a shovel or for large areas, it may be semi-automated using a low impact spreader.</p>														
Application rate(s) and frequency	<p>Application Rate: 15% AS content = 1 kg product/m<sup>2</sup>, 20% AS content = 0.75 kg product/m<sup>2</sup>, 30% AS content = 0.5 kg product/m<sup>2</sup>, 40% AS content = 0.375 kg product/m<sup>2</sup>, 50% AS content = 0.3 kg product/m<sup>2</sup>, 65% AS content = 0.23 kg product/m<sup>2</sup></p> <p>Dilution (%): Not applicable</p> <p>Number and timing of application: Applied during stock rotation. The number of applications will depend on the stock. No more than one application should be applied per day. A minimum interval of 2 days between applications must be observed on farms that have a nitrogen derogation (250 kg N/ha/yr).</p>														
Category(ies) of users	trained professional ; professional														

Pack sizes and packaging material	Bulk tanker Large sack/bag: 400 - 1000 kg 25 kg sack
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#### 4.1.1. Use-specific instructions for use

Disinfection of indoor floor surfaces of animal accommodations. The product is spread onto the floors of animal accommodations using manual or automated techniques. Manual spreading using a shovel or semi-automated using a low-impact spreader.

a. On concrete floors

1. Wash the installation with running water

2. Sprinkle the appropriate amount of product from the table below to cover the damp ground:

Calcium dihydroxide content in product (%)	Amount of product (kg /m <sup>2</sup> )
15	1
20	0.75
30	0.5
40	0.375
50	0.3
65	0.23

Contact time: 2 hours

No more than one application should be applied per day.

A minimum interval of 2 days between applications must be observed on farms that have a nitrogen derogation (250 kg N/ha/yr).

To ensure that no unacceptable long-term pH changes in soil occur from spreading of manures or sewage sludges containing lime residues from calcium dihydroxide products, the soil pH should be monitored as part of routine agricultural use.

#### 4.1.2. Use-specific risk mitigation measures

The wearing of full protective clothing (boots, coverall, protective gloves and goggles) is necessary.

If good natural ventilation or local exhaust ventilation (LEV) is not in place, workers should wear respiratory protective equipment (RPE) such as filtering half masks (FFP3) when high dust levels are expected.

Appropriate engineering controls: If user operations generate dust, use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne dust levels below recommended exposure limits.

Individual protection measures:

Respiratory protection: Provide sufficient air exchange and/or exhaust in work rooms. Respirator with a particle filter (EN 143). See also the exposure scenario.

Hand protection: Protective gloves: Nitrile rubber.

Eye/face protection: Tightly fitting safety goggles. Do not wear contact lenses.

Skin protection: Long-sleeved clothing, close fitting at openings. Footwear protecting against chemicals.

Hygiene measures: Wash hands and face before breaks and immediately after handling the product. If needed: Use protective skin cream before handling the product. When using, do not eat, drink or smoke.

Environmental exposure controls: Exhaust ventilation equipped with filters. Do not flush into surface water or sanitary sewer system.

#### 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

First aid measures: If symptoms persist or in case of doubt seek medical advice

Inhalation: If inhaled move to fresh air. Call a doctor.

Skin contact: Before washing, use a dry brush to remove dust from skin. Immediately flush skin with large amounts of water. Remove contaminated clothing. If irritation develops, get medical attention.

Eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses. Get medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting. Drink water. Call doctor immediately.

Direct effects: Eye damage/irritation and skin irritation. May cause irritation of the respiratory tract.

Treat symptomatically.

Environmental precautions Do not flush into surface water or sanitary sewer system. Protect from moisture. If the product contaminates rivers and lakes or drains inform respective authorities.

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

Empty containers: Can be landfilled or incinerated, when in compliance with local regulations. After usage, empty the packing completely.

Waste from residues / unused products: Dispose of in compliance with local and national regulations.

#### **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, but there is no loss of the active substance. A storage stability study is therefore not appropriate for this type of material



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## 5. GENERAL DIRECTIONS FOR USE<sup>1</sup>

### 5.1. Instructions for use

The product is used as provided.

Application can be manual or semi-automated.

The specific directions for the use should be followed.

Disinfection of indoor floor surfaces of animal accommodations. The product is spread onto the floors of animal accommodations using manual or automated techniques. Manual spreading using a shovel or semi-automated using a low-impact spreader.

a. On concrete floors

1. Wash the installation with running water

2. Sprinkle the appropriate amount of product from the table below to cover the damp ground:

**Calcium dihydroxide content in product (%)    Amount of product (kg /m<sup>2</sup>)**

15	1
20	0.75
30	0.5
40	0.375
50	0.3
65	0.23

3. Leave to act for at least 2 h

### 5.2. Risk mitigation measures

The wearing of full protective clothing (boots, coverall, protective gloves and goggles) is necessary.[PM1]

If good natural ventilation or low exhaust ventilation (LEV) is not in place, workers should wear respiratory protective equipment (RPE) such as filtering half masks (FFP3) when high dust levels are expected.

Appropriate engineering controls: If user operations generate dust, use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne dust levels below recommended exposure limits.

Individual protection measures:

Respiratory protection: Provide sufficient air exchange and/or exhaust in work rooms. Respirator with a particle filter (EN 143) See also the exposure scenario.

Hand protection: Protective gloves: Nitrile rubber.

Eye/face protection: Tightly fitting safety goggles. Do not wear contact lenses.

Skin protection: Long sleeved clothing, close fittings at openings. Footwear protecting against chemicals.

Hygiene measures: Wash hands and face before breaks and immediately after handling the product. If needed: Use protective skin cream before handling the product. When using, do not eat, drink or smoke.

Environmental exposure controls: Exhaust ventilation equipped with filters. Do not flush into surface water or sanitary sewer system.

Environment risk mitigation measures:

· Do not apply the product if releases from animal housings, manure/slurry storage areas can be directed to a sewage treatment plant.

· On farms that have a nitrogen derogation (250 kg N/ha/yr) the application interval between product applications in dairy housing is restricted to 2 days

Recommendation

To avoid potential over-liming, soil pH should be considered prior to spreading manures or slurry containing lime residues from calcium dihydroxide products. In addition, soil pH should be monitored as part of routine agricultural practice to ensure the soil pH remains within acceptable norms.

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

First aid measures: If symptoms persist or in case of doubt seek medical advice

Inhalation: If inhaled move to fresh air. Call a doctor.

Skin contact: Before washing, use a dry brush to remove dust from skin. Immediately flush skin with large amounts of water. Remove contaminated clothing. If irritation develops, get medical attention.

Eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses. Get medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting. Drink water. Call doctor immediately.

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<sup>1</sup>Instructions for use, risk mitigation measures and other directions for use under this section are valid for any authorised uses.

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Direct effects: Eye damage/irritation and skin irritation. May cause irritation of the respiratory tract.  
Treat symptomatically.

Environmental precautions Do not flush into surface water or sanitary sewer system. Protect from moisture. If the product contaminates rivers and lakes or drains inform respective authorities

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

Empty containers: Can be landfilled or incinerated, when in compliance with local regulations. After usage, empty the packing completely.

Waste from residues / unused products: Dispose of in compliance with local and national regulations.

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

Keep in a dry place. Avoid: Exposure to air or moisture over prolonged periods. Keep away from acids, significant quantities of paper, straw, and nitro compounds. Keep out of the reach of children. Do not use aluminium for storage if there is a risk of contact with water

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## 6. OTHER INFORMATION