

**MATERIAL SAFETY DATA SHEET**  
according to Regulation (EC) 1907/2006

**Date: 28 November 2019**

**Product: BOVIKALC calcium bolus for dairy cows.**

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1. Substance / preparation and company name

BOVIKALC calcium bolus

Complementary mineral feed for dairy cows

Company:   Boehringer Ingelheim Animal Health Denmark A/S  
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2. Composition/information on ingredients

<u>Name</u>	<u>Formula</u>	<u>CAS No.</u>
Calcium chloride (Dihydrate)	CaCl <sub>2</sub> ·2H <sub>2</sub> O	10035-04-8
Tap water	H <sub>2</sub> O	N/A
Calcium sulphate (Hemihydrate)	CaSO <sub>4</sub> ·½H <sub>2</sub> O	10034-76-1
Mono- and diglycerides of fatty acids esterified with acetic acid (Coating agent)		97593-30-1
<u>Xanthan gum (powdering agent)</u>	EU feed additive No. E 415	<u>11138-66-2</u>

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3. Possible hazards

May cause eye and skin irritation upon direct contact.

#### 4. First aid measures

On skin contact:	Wash with soap and water. In case of persistent discomfort seek medical attention.
On contact with eyes:	Rinse thoroughly with plenty of water for at least 15 minutes keeping eyelid open. In case of persistent discomfort seek medical attention
On ingestion:	Toxicity following ingestion is not expected. Ingestion should be avoided.
On inhalation:	Remove to fresh air. If discomfort persists, seek medical attention.

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#### 5. Fire fighting measures

The product is non-combustible.	
Hazardous combustion products:	No toxic or corrosive gasses are expected
Specific hazards during fire fighting:	None known

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#### 6. Accidental release measures

Personal precautions:	Review Sections 3, 4 and 8 before proceeding with clean up
Environmental precautions:	Not applicable
Methods for cleaning up:	Sweep and wash spill site after clear up.

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#### 7. Handling and storage

General handling:	Avoid contact with eyes, skin and clothing. Avoid breathing dust.
Storage:	Keep dry and store below 30° C. The bolus will melt at temperatures > 35° C Store in its sealed container. The product is strongly hygroscopic. No other special measures necessary.

## 8. Exposure controls and personal protection

Hand protection:	Wear protective gloves during handling.
Eye protection:	Wear safety glasses if risk of eye contact.
General safety and hygiene measures:	After handling, wash hands with soap and water

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## 9. Physical and chemical properties

Physical form:	Wax coated cylinder
Weight:	192 g per bolus
Colour:	White
Odour:	Odourless
Flash point:	not applicable.
Ignition temperature:	not applicable.
Solubility in water:	Partly soluble in water. Liberates heat upon dissolution in water.

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## 10. Stability and reactivity

Conditions to avoid:	Protect against moisture
Hazardous reactions:	None
Hazardous decomposition products:	None

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## 11. Toxicological information

### Acute toxicity:

Oral:	LD 50 (rat) of individual components > 4000 mg kg <sup>-1</sup> (calcium chloride)
Eyes:	Individual components may cause irritation of the eyes
Skin:	Individual components may cause irritation of the skin

Sub acute toxicity:

Oral: None expected

Eyes: None expected

Skin: None expected

Carcinogenicity: None expected

Mutagenicity: None expected

Teratogenicity: None expected

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12. Ecological information

No data available to suggest any adverse effects

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13. Disposal considerations

Disposal considerations

Product: No special precautions. Observe local and national regulations.

Packaging materials: Packaging materials are suitable for recycling or for disposal by incineration.

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14. Transport information

Not classified as hazardous under any transport regulations

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15. Regulatory information

EU: Complementary dietetic mineral feed

US: Mineral supplement for animals

16. Other information

**Disclaimer:** **Boehringer Ingelheim Animal Health Denmark A/S believes that the information contained in this Material Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied.**