

MATERIAL SAFETY DATA SHEET
according to 91/155/EEC

Date: 03. February 2012

Product: BOVIKALC calcium bolus for dairy cows.

1. Substance / preparation and company name

BOVIKALC calcium bolus

Complementary mineral feed for dairy cows

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2. Composition/information on ingredients

<u>Name</u>	<u>Formula</u>	<u>CAS No.</u>
Calcium chloride (Dihydrate)	CaCl ₂ .2H ₂ O	10035-04-8
Tap water	H ₂ O	N/A
Calcium sulphate (Hemihydrate)	CaSO ₄ .½H ₂ 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>

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.

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

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.

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

9. Physical and chemical properties

Physical form:	Wax coated cylinder
Weight:	190 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.

10. Stability and reactivity

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

11. Toxicological information

Acute toxicity:

Oral:	LD 50 (rat) of individual components > 4000 mg kg ⁻¹ (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

12. Ecological information

No data available to suggest any adverse effects

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.

14. Transport information

Not classified as hazardous under any transport regulations

15. Regulatory information

EU: Complementary mineral feed

US: Mineral supplement for animals

16. Other information

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