

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Substance
Trade name : Cryotech CMA
Chemical name : Calcium magnesium acetate
CAS : 76123-46-1
REACH registration No : 01-2119987569-11, 01-2119991992-18

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Provion Industries N.V.
Zone 2 - G. Gilliotstraat 60
B-2620 Hemiksem - Belgium
T +32 3 870 88 20 - F +32 3 877 23 33
info@provion.com - www.provion.com

1.4. Emergency telephone number

Emergency number : +32 3 870 88 20 (08:00-16:30 GMT+1)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]

No labelling required

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Name : Cryotech CMA
CAS : 76123-46-1

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Calcium magnesium acetate	(CAS) 76123-46-1	96	Not classified

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]
Calcium magnesium acetate	(CAS) 76123-46-1	96	Not classified

Full text of R- and H-phrases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after skin contact	: Immediately remove contaminated clothing or footwear. After contact with skin, wash immediately with plenty of water and soap. In all cases of doubt, or when symptoms persist, seek medical advice.
First-aid measures after eye contact	: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum).
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	: May cause respiratory irritation. Cough.
Symptoms/injuries after skin contact	: mild irritant.
Symptoms/injuries after eye contact	: May cause eye irritation.
Symptoms/injuries after ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry powder. Carbon dioxide (CO ₂). Water spray. Alcohol-resistant foam.
Unsuitable extinguishing media	: Strong water jet.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	: Extinguishing measurements should be adjusted to the surrounding area.
Protection during firefighting	: Wear fire/flame resistant/retardant clothing. In case of fire: Wear self-contained breathing apparatus.
Other information	: Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : See protective measures under point 7 and 8.

6.1.2. For emergency responders

Protective equipment : See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning up

For containment	: Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Avoid raising dust. Collect in closed containers for disposal.
Methods for cleaning up	: After cleaning, flush away traces with water.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with skin, eye and clothing.
Hygiene measures	: Wash hands before breaks and at the end of work. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in a cool dry place.
Prohibitions on mixed storage	: Oxidizing agents.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection : Rubber gloves. (EN 374).
Eye protection : Tightly sealed safety glasses. (EN 166).
Respiratory protection : Filter respirator (full mask or mouth-piece) with filter: B2P2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Appearance : Granular powder.
Colour : White to grey.
Odour : mild odour.
Odour threshold : No data available
pH : 8-10 10 % aqueous solution.
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure :
No data available
Relative vapour density at 20 °C : No data available
Relative density : 1,2 @20°C
Solubility : Water: partially soluble
Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available.
Oxidising properties : No data available.
Explosive limits : No data available
No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Avoid generation of dust.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides (COx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Cryotech CMA (76123-46-1)	
LD50 oral rat	> 5000 mg/l
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat	4,6 mg/l/4h

Calcium magnesium acetate (76123-46-1)	
LC50 inhalation rat	(4 h)

Skin corrosion/irritation : Not classified
pH: 8-10 10 % aqueous solution.

Serious eye damage/irritation : Not classified
pH: 8-10 10 % aqueous solution.

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : partially soluble.

Cryotech CMA (76123-46-1)	
LC50 fishes 1	> 1000 mg/l (96h, Salmo Gairdneri)
LC50 other aquatic organisms 1	> 1000 mg/l (48 h, Daphnia Magna)

12.2. Persistence and degradability

Cryotech CMA (76123-46-1)	
Biochemical oxygen demand (BOD)	0,67 g O ₂ /g substance (20 days, 10 °C)
Chemical oxygen demand (COD)	0,75 g O ₂ /g substance

12.3. Bioaccumulative potential

Cryotech CMA (76123-46-1)	
Log Pow	No data available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Remove according to the regulations.
Sewage disposal recommendations : Ensure all waste water is collected and treated via a waste water treatment plant.
Waste disposal recommendations : Collect in closed containers for disposal.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Carriage prohibited (ADN) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions
Cryotech CMA is not on the REACH Candidate List
Contains no substance on the REACH candidate list
Cryotech CMA is not on the REACH Annex XIV List
Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Disclaimer:

The purpose of this safety data sheet is to provide information about the safety, health and environmental aspects of the product concerned. The information in this safety data sheet is based on current expertise. Proviron provides this information in good faith and to the best of its ability.

This data sheet contains no guarantees as to the suitability of the product for a particular purpose or about any particular characteristics of the product. The purchaser/consumer is personally responsible for his/her use of the product and for taking precautions appropriate to its use.

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