

1 Identification

GHS Product Identifier

Product Name **Calstik C12**

Product form Liquid mixture

Recommended use of the chemical and restriction on use
Liquid and foliar fertilizer

Supplier's details

Axter Agroscience Inc.
895 chemin Benoit
Mont St-Hilaire, Québec
Canada J3H 0L7

Contact number: 450-464-5755
Opening Hours: 7AM - 5PM Monday to Friday

Emergency phone number

CANUTEC: 1-888-226-8832

**Association Canadienne
des Centres Antipoison :** www.capcc.ca

2 Hazard(s) identification

Classification of the substance or mixture

Classification (GHS-CA) Not classified

GHS label elements

Warning



Harmful if swallowed

Causes skin irritation

Causes eye irritation

Do not handle until all safety precautions have been read and understood.

Wash hands thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Dispose of contents/container to meet local or through the Clean Farm Empty Container Recycling Program

Other hazards which do not result in classification

No additional information available

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
calcium chloride	10043-52-4		45 - 50	

4 First-aid measures

Description of necessary first-aid measures

FOLLOWING INHALATION	Not expected to present a significant hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
FOLLOWING SKIN EXPOSURE	Wash skin with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
FOLLOWING EYE EXPOSURE	Rinse immediately with plenty of water. Seek medical attention if ill effect or irritation develops.
FOLLOWING INGESTION	Rinse mouth. Do NOT induce vomiting. If you feel unwell, seek medical advice.

Most important symptoms/effects, acute and delayed

INHALATION	Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
SKIN	Not expected to present a significant skin hazard under anticipated conditions of normal use.
EYES	Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
INGESTION	Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

Indication of immediate medical attention and special treatment needed, if necessary

NOTE TO PHYSICIAN	Treat symptomatically
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5 Fire-fighting measures

Suitable extinguishing media

Use extinguishing agent suitable for the type of surrounding fire;

Avoid excessive water to minimize runoff into the environment.

Prevent and/or control firefighter water from entering the environment.

Specific hazards arising from the chemical

- No specific danger
- In case of fire, dangerous decomposition products can be formed such as:
 - Carbon Monoxide (CO), Carbon Dioxide (CO₂), Nitrous Oxide
- A prolonged exposure to fire or high temperatures may cause the containers to fail

Special protective actions for fire-fighters

- Use water spray or fog to cool exposed containers.
- Do not enter fire area without proper protective equipment, including full face, positive pressure respiratory protection.
- Control all water used by firefighters to prevent any spill into the environment.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

- **P.P.E.**

Do not take any measure or actions that involves a personal risk or if not properly trained

Evacuate surroundings

Do not touch or walk in the spilled product

Try not to inhale any vapor or fog

Ensure proper ventilation

Make sure to wear an adequate mask or positive pressure apparatus if ventilation is not adequate

Wear proper PPE before entering in spill area.

Environmental precautions

Make sure not to let any product or contaminated water enter the environment, water ways or sewers

Prevent any spillage on or toward open soil, drains, sewers, ditches or waterways.

Advise proper authorities if product has entered the environment.

Use an inert absorbant or absorbent rolls to stop and control leak.

Methods and materials for containment and cleaning up

Stop leak if no risk is involved

Remove all unbroken containers from spill area

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

Collect all waste in suitable and labelled containers

Dispose according to local legislation.

Dispose through approved methods

7 Handling and storage

Precautions for safe handling

Wear P.P.E. when conditions increase the risk of exposure.

Do not eat, drink or smoke in areas where this product is produced, handled and stored.

People working with this product should wash their hands and face before they eat, drink or smoke

Avoid all contact with eyes, skin or clothing

Do not inhale vapors of fog

Do not enter in an enclosed area unless proper ventilation is in place

Keep in original sealed container until product is used

Empty container may contain residues and can represent a danger

Conditions for safe storage, including any incompatibilities

Keep in original containers until product is used

Store in a well-ventilated place.

Product must be stored in a proper area and maintained at a temperature > 5 °C

Skid must not be stacked more than two high

8 Exposure controls/personal protection

Control parameters

CAS	Common Name	IDHL mg / m ³	TWA mg / m ³	STEL mg / m ³	CEIL mg / m ³
10035-04-8	Calcium chloride dihydrate	N.A.	N.A.	N.A.	N.A.

Appropriate engineering controls

No special ventilation required if product is used properly
Mix and use outside or in well ventilated areas

People that work around or with the product should wear the proper P.P.E.

Eye wash stations or eye wash showers should be available

Individual protection measures

- **EYE PROTECTION:** Employee should wear splash-proof or dust-resistant safety goggles to prevent eye contact with this substance.
- **EMERGENCY EYE WASH:** Where there is a possibility that eyes may be exposed to this substance; the employer should provide an eye wash fountain within the immediate work area for emergency use.
- **CLOTHING:** Employee should wear appropriate protective clothing and equipment to prevent repeated or prolonged skin contact with this substance.
- **GLOVES:** Employee should wear appropriate protective gloves to prevent contact with this substance.
- **VENTILATION:** Use only outside or in well ventilated areas
- **RESPIRATOR:** No special respiratory protection equipment is recommended under normal conditions of use. If circumstances warrant protection, an approved organic vapour respirator can be worn to reduce exposure to product vapours.

9 Physical and chemical properties

Physical and chemical properties

Physical state :	Liquid
Appearance :	Clear.
Colour :	Light brown
Odour :	No significant odour
Odour threshold:	No data available
pH :	8.1 - 8.3
Relative evaporation rate:	No data available
Relative evaporation rate (ether=1):	No data available
Melting point:	No data available
Freezing point:	< 0 °C
Boiling point:	> 100 °C
Flash point:	Non flammable
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	Not applicable
Vapour pressure:	No data available
Vapour pressure at 50 °C:	No data available
Relative density:	No data available
Density :	1.30 kg/l
Solubility:	Water: Soluble

10 Stability and reactivity

Reactivity

No dangerous reactions known under normal conditions of use.

Chemical stability

Stable at ambient temperature and under normal conditions of use.

Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Conditions to avoid

Protect from freezing.

Hazardous decomposition products

No hazardous decomposition products known.

11 Toxicological information**Toxicological (health) effects**

No	CAS	Common name	LD oral	LD skin	LD skin	LC gases	LC vapours	LC dust-mist
1	10035-04-8	Calcium chloride dihydrate	500	> 5000	> 5000	NA	NA	> 5.00

Information on the likely routes of exposure

This product is absorbed by the digestive tract.

Symptoms related to the physical, chemical and toxicological characteristics

Red eyes, itching, blurred vision and tearing.

Delayed and immediate effects and also chronic effects from short and long term exposure

Studies suggest the possibility of an increase in congenital malformations.

Numerical measures of toxicity (such as acute toxicity estimates)

C.A.S.	NAME	IAR C	ACGI H	Mutagenicity	Effect on reproduction
10035-04-8	Calcium chloride dihydrate	NA	NA	NA.	NA

Other information

Not applicable

12 Ecological information**Toxicity**

Ecology - general : This material has not been tested for environmental effects.
 Acute aquatic toxicity : Not classified
 Chronic aquatic toxicity: Not classified

This mixture and its product of decomposition are not known to be environmentally dangerous in normal conditions of use.

Persistence and degradability

In agriculture, the use of this mixture in normal conditions is non persistent.

Bioaccumulative potential

In agriculture, the use of this mixture in normal conditions is non cumulative.

Mobility in soil

No specific data available for this mixture but agronomic knowledge confirms that

13 Disposal considerations

Disposal methods

Triple rinse and dispose/recycle empty container in accordance with municipal/state/federal regulations.
Can also dispose of containers through the Clean Farms "Empty Container Recycling Program"

14 Transport information

UN Number

Not regulated

UN Proper Shipping Name

Not applicable

Transport hazard class(es)

Not applicable

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

Carcinogen (ACGIH, IARC, OSHA or NTP):

Most of the ingredients used to manufacture this mixture are not classed as carcinogenic by ACGIH, IARC, OSHA or NTP.

Inventories (U.S. Toxic Substances Control Act):

No data available

Air (U.S. Clean Air Act):

This product does not contain any hazardous air pollutants (HAP) as defined by the U.S. Clean Air Act Section 12 (40 CFR 61)

16 Other information

Other information

As per Workplace Health & Safety regulations in place, this SDS should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. The user must determine the appropriate measures that need to be implemented for the safe use and handling of this product in the context of the user's operations.

This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.