

---

VALAGRO Safety Sheet  
Date: 17/09/2021, 2020 Rev. 1.3  
Product: Calbit C  
Code: 0971  
Print Date: September 17, 2021

---

## **SAFETY SHEET**

### **Calbit C**

---

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

1.1. Product identifier

Mixture identification:

Trade name: Calbit C

Trade code: 10971

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

Recommended use:

Fertilizer

1.3. Details of the supplier of the safety data sheet

AGRITRADE

1 Robin Mann Place

Christchurch Airport

Christchurch 8053

New Zealand

Ph 03 341 4587

Fax 03 341 4584

Free Phone 0800 333 855

[agritrade@nzagritrade.co.nz](mailto:agritrade@nzagritrade.co.nz)

1.4. Emergency telephone number:

Emergency number : 24 Hour Emergency Contact: 0800 CHEMCALL (0800 243622)

NZ POISON CENTRE : 111 Police, Ambulance and Fire Brigade (available in New  
CONTACT Zealand only)  
0800 764 766 (National Poisons Information Centre)

---

#### **SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture:

Classification according to the Hazardous Substances (Classification) Notice 2020, New Zealand:

The product is classified as non hazardous

Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200):

The product is not classified as dangerous

EC regulation criteria 1272/2008 (CLP):

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

---

VALAGRO Safety Sheet  
Date: 17/09/2021, 2020 Rev. 1.3  
Product: Calbit C  
Code: 0971  
Print Date: September 17, 2021

---

Other Hazards:  
No other hazards

---

### **SECTION 3: Composition/information on ingredients**

- 3.1. Substances  
Not applicable
- 3.2. Mixtures  
Hazardous and related classification:  
None

---

### **SECTION 4: FIRST AID MEASURES**

- 4.1. Description of first aid measures
  - In case of skin contact:
    - Immediately take off all contaminated clothing.
    - Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
    - Wash thoroughly (shower or bath).
    - Wash and dry contaminated clothing before reuse.
  - In case of eyes contact:
    - After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time.
    - Get medical attention if irritation persists.
  - In case of Ingestion:
    - Never give anything by mouth to an unconscious person
    - Rinse mouth with water and if the person is conscious give plenty of water to drink .
    - Do not under any circumstances induce vomiting. Get medical attention.
  - In case of Inhalation:
    - Remove casualty to fresh air and keep warm and at rest.
- 4.2. Most important symptoms and effects, both acute and delayed
  - There are no known health effects of the mixture as a whole.
  - In base on the components present:
    - Inhalation:
      - The decomposition products such as gaseous ammonia, if inhaled, may cause a health hazard.
    - Ingestion:
      - May cause irritation to mouth, throat and stomach.
      - Possible symptoms: abdominal pain.
    - Eye contact:
      - May cause eye irritation
      - Possible symptoms: pain, redness, tearing
    - Skin contact:
      - May cause skin irritation
      - Possible symptoms: pain, redness.
- 4.3. Indication of any immediate medical attention and special treatment needed
  - In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
  - In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
  - Treatment:
    - None

---

VALAGRO Safety Sheet  
Date: 17/09/2021, 2020 Rev. 1.3  
Product: Calbit C  
Code: 0971  
Print Date: September 17, 2021

---

---

## **SECTION 5. FIRE-FIGHTING MEASURES**

- 5.1. Extinguishing media  
Suitable extinguishing media:  
Water.  
Carbon dioxide (CO<sub>2</sub>).  
Extinguishing media which must not be used for safety reasons:  
Do not use chemical extinguisher or foam or attempt to smother the fire with steam or sand.
- 5.2. Special hazards arising from the substance or mixture  
Do not inhale explosion and combustion gases.  
Burning produces smoke containing carbon oxides, nitrogen oxides, sulphur oxides, metal oxides.
- 5.3. Advice for fire-fighters  
Use suitable breathing apparatus .  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains. If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.  
Move undamaged containers from immediate hazard area if it can be done safely.

---

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

- 6.1. Personal precautions, protective equipment and emergency procedures
- For non-emergency personnel:  
No action shall be taken involving any personal risk or without suitable training.  
Wear protective clothes giving a total skin protection, gloves and safety glasses.  
Keep away from the affected area people not involved in the emergency intervention.  
Ensure adequate ventilation, move people in a safe place.  
Alert the internal emergency team.
  - For emergency responders:  
Wear protective clothes giving a total skin protection, latex gloves and safety glasses.  
See protective measures under point 7 and 8.
- 6.2. Environmental precautions  
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
Dilute with water  
Retain contaminated washing water and dispose it in landfill approved;  
If possible, collect in clean plastic containers labeled and reuse as fertilizer.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  
Suitable material for taking up: absorbing material, soil, sand.  
Dispose of contaminated material in accordance with section 13
- 6.3. Methods and material for containment and cleaning up  
Wash with plenty of water.  
Retain contaminated washing water and dispose it in landfill approved or if possible, collect in clean plastic containers labeled and reuse as fertilizer.
- 6.4. Reference to other sections  
See also section 8 and 13

---

## **SECTION 7: HANDLING AND STORAGE**

- 7.1. Precautions for safe handling  
Avoid contact with skin and eyes, inhalation of vapours and mists.  
Don't use empty container before they have been cleaned.

---

VALAGRO Safety Sheet

Date: 17/09/2021, 2020 Rev. 1.3

Product: Calbit C

Code: 0971

Print Date: September 17, 2021

---

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

Reducing agents, strong acids and bases, metal powders, combustible materials, chrome, zinc, copper and copper alloys, chlorinated

Instructions as regards storage premises:

Adequately ventilated premises.

keep in original plastic packaging in well-ventilated area away from moisture, heat sources, and direct sunlight

7.3. Specific end use(s)

Fertilizer

---

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Not provided for the mixture

8.2. Exposure controls

Please observe the usual precautionary measures for handling of chemicals.

The personal protective equipment must be compliant to the regulation UNI –EN in force

Eye protection:

Use close fitting safety goggles according to the standard EN 166, do not wear contact lenses.

Protection for skin:

Wear protective clothing.

Protection for hands:

Use protective gloves according to EN 374 standard that provides comprehensive protection, eg. PVC, natural rubber (latex).

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None known

Environmental exposure controls:

None in particular

---

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance and colour: Brown liquid

pH: 6.5

Initial boiling point and boiling range: > 100 °C

Density: 1.45 Kg/dm<sup>3</sup> at 20 °C

Solubility in water: soluble

---

## SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions of use and storage

10.2. Chemical stability



---

VALAGRO Safety Sheet

Date: 17/09/2021, 2020 Rev. 1.3

Product: Calbit C

Code: 0971

Print Date: September 17, 2021

---

Stable under normal conditions of use and storage

10.3. Possibility of hazardous reactions

The product can release gaseous ammonia if in contact with alkaline substances such as lime

10.4. Conditions to avoid

Stable under normal conditions.

Avoid high temperatures which induce thermal decomposition

10.5. Incompatible materials

Reducing agents, strong acids and bases, metal powders, combustible materials, chrome, zinc, copper and copper alloys, chlorinated

10.6. Hazardous decomposition products

In case of fire and high temperatures can develop metal oxides, carbon oxides (COx) nitrogen oxides (NOx), Sulfur oxides (SOx).

---

## SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information of the mixture:

The product contains nitrates.

In case of ingestion of large amounts, NO<sub>3</sub>-ions contained in the product can oxidize the iron atoms in hemoglobin making it unable to carry oxygen effectively to the tissues (methemoglobinemia)

---

## SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

The product is soluble and mobile in both terrestrial and aquatic compartments

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None known

---

## SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product :Recover if possible. In so doing, comply with the local and national regulations currently in force.

Packaging: Dispose according to regulations.

---

## SECTION 14: TRANSPORT INFORMATION

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing Group

---

VALAGRO Safety Sheet  
Date: 17/09/2021, 2020 Rev. 1.3  
Product: Calbit C  
Code: 0971  
Print Date: September 17, 2021

---

- N.A.  
14.5 Environmental hazards  
N.A.  
14.6. Special Precautions for User  
N.A.  
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
N.A.

---

## SECTION 15: Regulatory information

### New Zealand

- Classification : Classified as non-hazardous according to the Hazardous Substances (Classification) Notice 2020, New Zealand:  
ACVM ACT 1997 : Exempt from registration under the Agricultural Compounds and Veterinary Medicines Act 1997

### USA -Regulations

Hazard Communication Standard (HCS) Haz Com 2012  
OSHA, 29 CFR 1910.1200(g) and Appendix D. United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS), third revised edition, United Nations, 2009.  
Hazard Communication Standard  
United Nations Recommendations on the Transport of Dangerous Goods.  
OSHA Permissible Exposure Limit  
[29 CFR 1926.55 Appendix A](#)  
American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV)  
National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limit (REL)  
Chemical Abstracts Service (CAS) Registry Number

### EU-Regulations

Contains no REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list

---

## SECTION 16: Other information

Issue date: September 17, 2021

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

---

VALAGRO Safety Sheet

Date: 17/09/2021, 2020 Rev. 1.3

Product: Calbit C

Code: 0971

Print Date: September 17, 2021

---

CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.
N.A.:	No data available.