

Valagro S.p.A.

Zona Ind.le 66041 Atessa (Ch) ITALIA
tel. (+39) 0872 881.1 Fax (+39) 0872 897416
www.valagro.com



Responsible Care
L'impegno dell'industria chimica
per l'ambiente
la sicurezza la salute

**COMPANY WITH
ENVIRONMENTAL MANAGEMENT
SYSTEM CERTIFIED BY DNV**
= ISO 14001 =

**COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV**
= ISO 9001/2000 =



SAFETY SHEET CALBIT C

VALAGRO SDS according to Regulation 1907/2006/EC

Date: 28/9/2010 Rev. 1.0

Product: CALBIT C

Code: 10971_CALBIT C

Print date: 30/9/2010

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name: CALBIT C
Trade code: 10971_CALBIT C
Product type and use: Fertilizer
Company:
VALAGRO SPA - Zona Industriale 66041 - Atessa - Italy

Emergency telephone number of the company and/or of an authorised advisory centre:
VALAGRO SPA - Telephone (+39) 0872 8811; Telefax number. (+39) 0872 881382
Centro Antiveleni - Ospedale di Niguarda - Milano Telephone (+39) 02 66101029

Competent person responsible for the safety data sheet:
regulatory@valagro.com

2. HAZARDS IDENTIFICATION

No specific hazards are encountered under normal product use.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Calcium lignosulphonate solution

4. FIRST AID MEASURES

Contact with skin:
Wash with plenty of water and soap.
Contact with eyes:
Wash immediately with water for at least 10 minutes.
Swallowing:
Rinse mouth with water.
SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.
Inhalation:
Unlikely possible.
Ventilate the premises.

5. FIRE-FIGHTING MEASURES

Recommended extinguishers:
Water, CO2, Foam, Chemical powders, according to the materials involved in the fire.
Extinguishers not to be used:
None in particular.

Risks arising from combustion:
Avoid inhaling the fumes, CO, CO₂, NO_x fumes may be released
Protective equipment:
Use protection for the respiratory tract.

6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:
Use gloves and protective clothing.
Environmental measures:
Limit leakages with earth or sand.
If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.
Cleaning methods:
If the product is in a liquid form, stop it from entering the drainage system.
Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.
After the product has been recovered, rinse the area and materials involved with water.

7. HANDLING AND STORAGE

Handling precautions:
Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.
Do not eat or drink while working.
Incompatible materials:
Strong bases: (e.g. NaOH, KOH)
Storage condition: Keep containers tightly closed in a well-ventilated place, away from heat and sunlight
Packing materials recommended: Plastic packaging

Instructions as regards storage premises:
Adequately ventilated premises.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:
Give adequate ventilation to the premises where the product is stored and/or handled.
Respiratory protection:
Not needed for normal use.
Protection for hands:
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.
Eye protection:
Use close fitting safety goggles and/or visor conforming to BS 2092 GRADE 1).
Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
Exposure limit(s) (ACGIH):
None.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	brown liquid
Odour:	N.A.
pH (t = 25 °C):	7.0
pH 1% (t = 25 °C):	8.0
Conductivity (1 g/l) :	0.65 mS/cm 18 °C
Melting point:	N.A.
Boiling point:	> 100 °C
Flash point:	N.A.

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Solid/gas flammability:	N.A.
Explosive properties:	N.A.
Oxidizing properties:	N.A.
Vapour pressure:	N.A.
Relative density:	1.45 Kg/dm ³
Solubility in water (t = 25 °C):	soluble
Lipid solubility:	N.A.
Partition c. (n-octanol/H ₂ O):	N.A.
Vapour density:	N.A.

10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions.

Substances to avoid:

Strong bases: (e.g. NaOH, KOH)

Hazardous decomposition products:

Release of fumes containing CO, CO₂, NO_x in case of very high temperatures

11. TOXICOLOGICAL INFORMATION

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

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

Where applicable, refer to the following regulatory provisions : 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Council Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparations) and subsequent amendments. Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/EC (Occupational exposure limit values). Regulation (EC) No 1907/2006 (REACH). Regulation (EC) No 1272/2008 (CLP) (Annex VI). Regulation (EC) No 790/2009 (Annex IV, Annex V).

The preparation should not be considered as dangerous accordingly to dir. 1999/45/EC.

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

16. OTHER INFORMATION

Paragraphs modified from the previous revision:

All the paragraphs

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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

ACGIH - Threshold Limit Values - 2004 edition

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.