



Concimi speciali

Biolchim S.p.A.
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P. IVA: IT 00529061202
Iscr. Reg. Impr. CCIAA di BO e C.F. 01021590375
Capitale Sociale € 10.000.000,00 interamente versato.
Iscritta al registro dei fabbricanti di fertilizzanti al n. 0053/06



-Technical Data Sheet-

Cremalga

ORGANIC NITROGEN FERTILISER FLUID YEAST EXTRACT CONTAINING BROWN ALGAE

ANALYSIS	w/w	g/L
Organic nitrogen (N)	1%	11
Organic carbon (C) of biological origin	10%	110
pH of the product: 5.4±0.5		
Organic matter with nominal molecular weight <50 kDa: 35%		

ALLOWED IN ORGANIC FARMING

**COMPONENTS: FLUID YEAST EXTRACT CONTAINING BROWN ALGAE
OBTAINED BY PHYSICAL PROCESSES INCLUDING DEHYDRATION AND GRINDING**

CHARACTERISTICS

Improves fruit setting.
Promotes fruit enlargement.
Improves the balance between vegetative growth and production even under stress conditions.
Increases the efficacy of growth regulators and reduces side-effects.

METHODS OF APPLICATION AND DOSAGES

Foliar application:

- **Fruit trees:** at pre-flowering and flowering, every 7 days 1-2 L/ha
at fruit enlargement, every 10-15 days 1-2 L/ha
 - **Kiwifruit, wine and table grape:** from vegetative reawakening to flowering (every 7 days)
and from fruit setting to veraison (every 10-15 days) 1-2 L/ha
 - **Vegetable and industrial crops:** during the whole crop cycle, every 10-15 days .
..... 2-3 L/ha
 - **Greenhouse crops:** during the whole crop cycle, every 10-15 days. 50-100 mL/hL
- Dosages are calculated for normal water distribution volumes.

Fertigation:

in the same growth stages and at the same interval of application

- **Fruit trees, kiwifruit, wine and table grape, vegetable and industrial crops:**
.....2.5-5 L/ha
- **Greenhouse crops:**..... 250-500 mL/1000 m²

Please consult the Technical Service for application advice in specific crop and pedoclimatic conditions. The product can be mixed with all common formulations, except with products based on Copper and Sulphur, mineral oils and emulsions. A simple mixture test to check compatibility is advisable. Biolchim S.p.A. is only liable for the composition of the product and assumes no responsibility whatsoever for damages caused by wrong/improper use of this product.

WARNING

Ufficio Tecnico Biolchim S.p.A.

Ultima revisione: 24/07/2018





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Keep away from flames in a cool, well-ventilated place. Avoid prolonged exposure to low temperatures. Check container periodically. In case of accidental spill contain the leak, avoid water contamination and, whenever necessary, dispose according to the laws in force. **SHAKE BEFORE USE**

NET CONTENT: 1 L (1.1 kg)-5 L (5.5 kg) -20 L (22 kg)

Ufficio Tecnico Biolchim S.p.A.



Ultima revisione: 24/07/2018



Medicina, 21.04.2022

CERTIFICATE of ANALYSIS

Product name: **CREMALGA**
ORGANIC NITROGEN FERTILISER

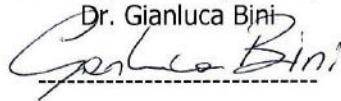
Composition:	% w/w	Analytical Method
Organic Nitrogen (N)	1%	<i>Kjeldahl distillation (official National met.)</i>
Organic carbon (C) of biological origin.....	10%	<i>Springer Klee titrat. (official National met.)</i>

Physical properties:

Physical aspect:.....	liquid	<i>(Appearance)</i>
Density at 20°C.....	1.10 ± 0.02 Kg/L	<i>(Densimeter)</i>
pH of 1% sol. (20°C).....	5.5 ± 0.5	<i>(Glass electrode)</i>

Biolchim S.p.A.
Product Support & Regulatory dept.

Dr. Gianluca Bini





Safety Data Sheet CREMALGA

Safety Data Sheet dated 18/11/2019, version 1.2

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

1.1. Product identifier

Trade name:

CREMALGA

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

Recommended use:

Liquid fertiliser for agricultural use.

1.3. Details of the supplier of the safety data sheet

Company:

Biolchim S.p.A. - Via San Carlo 2130 - 40059 Medicina (BO) - Italy

Biolchim spa - tel 051 6971811

Competent person responsible for the safety data sheet:

biolchim@biolchim.it

1.4. Emergency telephone number

Croatia: Ksaverska cesta 2, POB 291, 10000 Zagreb T(24/7) (+385) 1 2348 342

Czech Republic: Toxikologické informacní středisko, Na Bojišti 1, 120 00 Praha 2 Telefon

(24h): (+420) 224 919 293, (+420) 224 915 402

Ireland: National Poisons Information Centre (+353) 01 8092566 or (+353) 01 8379964 24

hours a day and 365 days a year

Latvia: Valsts ugunsdzēsības un glabšanas dienests, phone number: 112. Toksikologijas un

sepses klinikas Saindešanas un zalu informācijas centrs, Hipokrata 2, Rīga, Latvija, LV-1038,

phone number (+371) 67042473. Service is available 24 hours.

Malta: Mater Dey Hospital (24/7) (+356) 2545 0000

Slovakia: National Toxicological Information Center (24h) (+421 2 5477 4166)

Sweden: 112 – ask for Poisons Information

Other Countries: contact your national poison center.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances



Safety Data Sheet CREMALGA

- N.A.
- 3.2. Mixtures
Hazardous components within the meaning of the CLP regulation and related classification:
None.

SECTION 4: First aid measures

- 4.1. Description of first aid measures
In case of skin contact:
Wash with plenty of water and soap.
In case of eyes contact:
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
In case of Ingestion:
Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.
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
None
- 4.3. Indication of any immediate medical attention and special treatment needed
Treatment:
None

SECTION 5: Firefighting measures

- 5.1. Extinguishing media
Suitable extinguishing media:
Water.
Carbon dioxide (CO₂).
Extinguishing media which must not be used for safety reasons:
None in particular.
- 5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.
- 5.3. Advice for firefighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
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
Wear personal protection equipment.
Remove persons to safety.
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.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
Wash with plenty of water.
- 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.
 See also section 8 for recommended protective equipment.
 General recommendations on occupational hygiene:
 Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities
 Keep away from food, drink and feed.
 Incompatible materials:
 None in particular.
 Instructions as regards storage premises:
 Adequately ventilated premises.
- 7.3. Specific end use(s)
 None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
 No occupational exposure limit available
 DNEL Exposure Limit Values
 N.A.
 PNEC Exposure Limit Values
 N.A.
- 8.2. Exposure controls
 Eye protection:
 Safety glasses.
 (see standard EN 166)
- Protection for skin:
 Disposable suit.
 (see standard EN 13034)
 Safety shoes.
 (see standard UNI EN ISO 20345)
- Protection for hands:
 Suitable gloves type:
 One-time gloves.
 Suitable material:
 NBR (nitrile rubber).
 (see standard EN 374)
 Wash hands before eating, drinking or smoking.
- Respiratory protection:
 Avoid inhaling the product.
 Provide adequate ventilation. Good local ventilation and a good general air exchange system must be ensured.
- Thermal Hazards:
 None
- Environmental exposure controls:
 Use according to good working practices, avoiding to disperse the product in the environment.
 Do not discharge the product into the sewers.
- Appropriate engineering controls:
 Ensure adequate ventilation, especially in confined areas.

SECTION 9: Physical and chemical properties

- 9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
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Safety Data Sheet CREMALGA

Appearance and colour (20°C-101,3kPa):	Liquid, brown	--	--
Odour:	Not Relevant	--	Not relevant for product classification purposes.
Odour threshold:	N.A.	--	--
pH (20°C):	5,4	--	--
Melting point / freezing point:	Not Relevant	--	Freezing point lower than the temperature range of use of the product.
Initial boiling point and boiling range:	Not Relevant	--	Boiling point higher than the temperature range of use of the product.
Flash point:	N.A.	--	NOT FLAMMABLE: water-based mixture consisting of inorganic components (Annex VII REACH) and / or non-flammable organic components.
Evaporation rate:	N.A.	--	Water-based mixture consisting of high-boiling components.
Solid/gas flammability:	N.A.	--	Liquid
Upper/lower flammability or explosive limits:	N.A.	--	Not flammable.
Vapour pressure:	Not Relevant	--	Not relevant for product classification purposes.
Vapour density:	Not Relevant	--	Not relevant for product classification purposes.
Relative density (20°C):	1.10 Kg/l	--	--
Solubility in water:	Soluble	--	--
Solubility in oil:	Not Relevant	--	Not relevant for classification and use of the product.
Partition coefficient (n-octanol/water):	N.A.	--	See paragraph 12 for values referring to individual substances.
Auto-ignition temperature:	N.A.	--	Not flammable.
Decomposition temperature:	Not Relevant	--	Decomposition temperature higher than the temperature range of use of the product.
Viscosity:	Not Relevant	--	Not relevant for product classification purposes.
Explosive properties:	Not Explosive	--	Mixture consisting of non-explosive components.
Oxidizing properties:	Not Oxidizing	--	Mixture consisting of non-oxidizing components.

9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	Mixable with water	--	--
Fat Solubility:	Not Relevant	--	Not relevant for classification and use of the product.
Conductivity (25°C):	1,2 mS/cm (sol.1% w/w)	--	--



Safety Data Sheet CREMALGA

Substance Groups relevant properties	Not Relevant	--	--
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SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
None in particular.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the substance:

CREMALGA

- a) acute toxicity
Not classified
Based on available data, the classification criteria are not met
- b) skin corrosion/irritation
Not classified
Based on available data, the classification criteria are not met
- c) serious eye damage/irritation
Not classified
Based on available data, the classification criteria are not met
- d) respiratory or skin sensitisation
Not classified
Based on available data, the classification criteria are not met
- e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
- f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
- g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
- h) STOT-single exposure
Not classified
Based on available data, the classification criteria are not met
- i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
- j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity



Safety Data Sheet CREMALGA

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

Not classified for environmental hazards
Based on available data, the classification criteria are not met

- 12.2. Persistence and degradability
None
N.A.
- 12.3. Bioaccumulative potential
N.A.
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

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
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 and the IBC Code
N.A.

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
 - Dir. 98/24/EC (Risks related to chemical agents at work)
 - Dir. 2000/39/EC (Occupational exposure limit values)
 - Regulation (EC) n. 1907/2006 (REACH)
 - Regulation (EC) n. 1272/2008 (CLP)
 - Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
 - Regulation (EU) 2015/830
 - Regulation (EU) n. 286/2011 (ATP 2 CLP)
 - Regulation (EU) n. 618/2012 (ATP 3 CLP)
 - Regulation (EU) n. 487/2013 (ATP 4 CLP)
 - Regulation (EU) n. 944/2013 (ATP 5 CLP)
 - Regulation (EU) n. 605/2014 (ATP 6 CLP)
 - International Regulations of the transport of dangerous goods (ADR, RID, IMDG, ICAO/IATA).
 - Regulation (EU) n. 2015/1221 (ATP 7 CLP)
 - Regulation (EU) n. 2016/918 (ATP 8 CLP)
 - Regulation (EU) n. 2016/1179 (ATP 9 CLP)
 - Regulation (EU) n. 2017/776 (ATP 10 CLP)



Safety Data Sheet CREMALGA

Regulation (EU) n. 2018/699 (ATP 11 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

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

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the substance.

SECTION 16: Other information

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

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.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
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.



Safety Data Sheet CREMALGA

LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.



CCPB SRL
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CCPB SRL, Registro Imprese BO, CF e P.IVA 02469721209, REA n. 441882, Capitale Sociale € 705.920 i.v.

AREA CERTIFICAZIONE DI PRODOTTO
PRODUCT CERTIFICATION BRANCH

Certificato N° n° 03/2018/MT Revisione 07
Certificate No. Revision No

SI ATTESTA CHE I PRODOTTI
This is to certify that the products

Prodotto/Product	Paese di destinazione del prodotto/Country of destination
FYLLOTON, KENT, FOLICIST , N-CU 62, FERROCUR, MIXOKEM, KELIRON TOP, NOV@, PLANTCREAM, FOLIFOL, CREMALGA, HAMIN 8-10 , PROTAMIN CU 62	UE, EXTRA UE

BIOLCHIM S.p.a.

INDIRIZZO SEDE LEGALE E OPERATIVA
REGISTERED OFFICE AND PLANT OF PRODUCTION

VIA SAN CARLO 2130, 40059 – MEDICINA (BO)

SONO IMPIEGABILI IN AGRICOLTURA BIOLOGICA
Are allowed in Organic Agriculture

*Come previsto dal Reg. UE 2018/848 e dal Reg. UE 2021/1165
As required by EC Reg. N 2018/848 ad by EC Reg. 2021/1165*

*Come previsto dal codice dei regolamenti federali, titolo 7, parte 205 – National Organic Program
As required by the code of federal regulations, title 7, part 205 – National Organic Program*

*As required by Japanese Agricultural Standard, notifica N° 1605 del 27 Ottobre 2005 (Standard Giapponese dei Prodotti Vegetali Biologici)
As required by Japanese Agricultural Standard, notification No. 1605 of October 27, 2005 (Japanese Standard of the Products of Organic Vegetable)*

*Come previsto dalla legge Tunisina N°99-30 del 5 Aprile 1999
As required by Tunisian law N°99-30 of 5 Aprile 1999*

*Come previsto dalla legge Marocchina relativa alle produzioni biologiche dei prodotti agricoli e acquatici – Legge N° 39/2012
As required by Moroccan law concerning organic productions of agricultural and aquatic products – Moroccan Law N° 39/2012*

*Come previsto dalla legge Turca sui principi e e applicazione dell'agricoltura biologica – Legge N° 27676 del 18 Agosto 2010
As required by Turkish regulations on principles an application of organic agriculture – Turkish Law N° 27676 of 18 August 2010*

Data di prima emissione
First issue data
2018/04/23

Data di Scadenza
Expiration date
2024/04/23

Data di Modifica
Modification date
2022/09/09

CCPB SRL
Amministratore Delegato
General Manager
LORENZO PILERI

CCPB SRL
Viale Masini, 36 - 40126 BOLOGNA

Il presente certificato è valido a condizione che il licenziatario operi in conformità a quanto previsto dalla Norma Tecnica di riferimento e rispetti i documenti contrattuali stipulati con CCPB. La validità del presente certificato è subordinata alla sorveglianza periodica effettuata da CCPB.
Lo stato di validità del presente certificato può essere verificato consultando "attestati e certificati di prodotto" su www.ccpb.it; eventuali ulteriori richieste possono essere indirizzate a: CCPB SRL Viale Masini 36 – 40126 Bologna Tel. +39-051-6089811 Fax. +39-051-254842 e-mail ccpb@ccpb.it.
Il certificato autorizza l'azienda a rilasciare Dichiarazioni di Conformità per i prodotti oggetto di certificazione.
This certificate is valid on condition that the licensee fulfills the requirements of the applicable standard and of the contractual agreement signed with CCPB. The validity of this certificate is subjected to periodical surveillance of CCPB.
The validity of this certificate can be verified on "product declarations and certifications" available on www.ccpb.it; further information can be forwarded to: CCPB SRL Viale Masini 36 – 40126 Bologna Tel. +39-051-6089811 Fax. +39-051-254842 e-mail ccpb@ccpb.it.
The certificate authorizes the company to issue declarations of conformity only for the products listed in the certificate.

Medicina, 16/04/2024

TO WHOM IT MAY CONCERN

RE: BIOLCHIM fertilisers complying with the European organic legislation

We, Biolchim S.p.A. via San Carlo 2130, Medicina (BO) Italy, hereby declare that the following BIOLCHIM fertilisers are consistent to the European organic legislation, complying with the requirements of the European Regulations n. 2018/848 and 2021/1165.

ALGATON
CREMALGA
FE EDTA 13%
FOLICIST
FYLLOTON
GLIBOR CA
MICROFOL MIX
MIXOKEM
NOV@
NUTRI-GEMMA B-ZN
SIVEG GR
ZN EDTA 15%

In faith,

Biolchim S.p.A.
Product Support & Regulatory dept.

Dr. Gianluca Bini

