essedielle
ENOLOGIALIMENTAZIONE

SISTEMA DI GESTIONE PER LA SICUREZZA ALIMENTARE
CERTIQUALITY
UNI EN ISO 22000:2018

OPERATORE CONTROLLATO
S 1262
CERTIFICATO ICEA BIOLOGICO

essedielle srl
Loc. Macinini Fraz. Caldari
66026 Ortona (CH)
Num. REA CH-72915
P.IVA e CF: 00639090695
Codice Univoco SUBM70N
Capitale Sociale € 100.000,00

SAFETY DATA SHEET

BIOCONTROL

Revision No. 3, October 2023; Complies with Reg (EU) 2020/878

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE MANIFACTURING COMPANY

1.1 Product identification
Trade name: Biocontrol
Chemical name and synonyms: Chitosan; Galla tannins.

1.2 Relevant identified uses of the substance/mixture and uses not recommended
Clarifiers
Usage sectors: industrial uses [SU3], food industries [SU4], professional uses [SU22].
Product categories: processing aid for oenological use.
Not recommended uses: do not use for uses other than those indicated.

1.3 Information about the supplier of the safety data sheet
essedielle srl
S.P. 538 km. 6,950 - CALDARI
66026 ORTONA (CH)
ITALY
Phone: +39 (0) 85 9031315
Qualified persons responsible for the safety data sheet: laboratorio@essedielle.com

1.4 Emergency telephone number: essedielle srl +39 (0) 85 9031315 – 0039 3668134126
Poison Control Center
S.S. Annunziata Hospital – Chieti +39 0871 1551219

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture
The product is not considered hazardous according to EC Regulation 1272/2008 (CLP).

2.2 Label elements
Labeling according to Regulation (EC) 1272/2008 [CLP]: the substance does not have to be labeled according to CLP Regulation (EC) 1272/2008.
Symbols: none

2.3 Other hazards
vPvB Substances: none - PBT Substances: none

3. COMPOSITION/INGREDIENT INFORMATION

3.1 Substances
Chemical name: see section 3.2

3.2 Mixtures

Substance	Concentration	Classification	CAS	EINECS	REACH
Chitosan	60-80 %	Poly (D-glucossamine)	9012-76-4	618-480-0	
Galla tannin	5-20 %	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	1401-55-4	215-753-2	

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4. FIRST AID MEASURES

4.1 Description first aid measures
In all cases, compliance with the rules of good industrial hygiene is recommended.
In case of inhalation: no actions to avoid, no special instructions for rescuers.
In case of skin contact: no particular measure.
In case of eye contact: no particular measure.
In case of ingestion: no particular measure.

4.2 Major symptoms and effects, both acute and delayed
There are no known incidents of health damage attributable to the product.

4.3 Indication of any need for immediate medical attention and special treatment
Refer to section 4.1 of the safety data sheet.
Treatment: in symptomatic treatment, no specific antidotes are known.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing means
Suitable extinguishing means
Carbon dioxide, foam, powder and water mist.

5.2 Special hazards from combustion products
Do not inhale the gases produced by the explosion and combustion.

5.3 Recommendations for fire suppression operators
Cool containers with water jets to prevent decomposition of the product. Always wear fire-fighting equipment. Collect extinguishing water that must not be discharged into the sewer system. Dispose of contaminated water used for extinguishing and fire residue according to applicable regulations.

5.4 Other information
None in particular

6. MEASURES IN CASE OF ACCIDENTAL RELEASE

6.1 Personal precautions, personal protective equipment and emergency procedures
In case of airborne vapors or dusts, adopt respiratory protection.

6.2 Environmental precautions
Prevent penetration into the soil/subsoil. Prevent runoff into surface water or sewage system.

6.3 Methods and materials for containment and remediation
Embank with soil or inert material. Collect most of the material and remove the residue with water jets.

6.4 Reference to other sections
See also paragraph 8 and 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid dust formation.
Provide adequate ventilation in rooms where dust is formed. In case of insufficient ventilation, wear suitable respiratory protective equipment.

7.2 Conditions for safe storage, including any incompatibilities
No special precautions are required. Provide proper ventilation and store by preventing accidental damage. Keep away from moisture.

7.3 Specific end uses
No technical measures or special precautions are required. Indicate mode of use before use in case of mixture with other substances.

8. EXPOSURE CONTROL/INDIVIDUAL PROTECTION

8.1 Control parameters
No data available for occupational exposure.

8.2 Exposure controls

Eye protection
Not necessary

Skin protection
Use work clothing

Hand protection
Use protective gloves. Suitable material: polyvinyl chloride - thickness 0.35 mm.

Respiratory protection
Provide adequate ventilation, which can be achieved by using good local exhaust ventilation and good local exhaust system and good general exhaust system.

Thermal hazards
N.A.

Environmental exposure controls
Emissions from production processes, including those from ventilation equipment, should be controlled for compliance with environmental protection regulations.

9. PHISICAL AND CHEMICAL PROPERTIES

9.1 Information on general physical and chemical properties

Appearance	Beige powder
Shape	Powder

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Color	Beige
Odor	Odorless
Olfactory threshold	Not determined
Ph value	6.5 sol 1%
CHANGE OF STATE	
Melting point/interval	Not determined
Boiling point/interval	Not determined
Flash point	Not determined
Flammability (solids, gases)	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Explosive properties	Non explosive
Lower flammability limits	Not determined
Upper flammability limits	Not determined
Vapor pressure at 20°C	Not determined
Density at 20°C	Not determined
Relative density	Not determined
Vapor density at 20°C	Not determined
Evaporation rate	Not determined
Solubility in/Miscibility with water:	Not soluble
Specific rotation	Not determined
Partition coefficient: n-octanol/water	Not determined
Dynamic Viscosity at 20 °C	Not determined
Kinematic Viscosity	Not determined

9.2 Other information

Molecular mass	Not determined
Conductivity	Not determined
Liposolubility	Not determined
Particular properties groups of substances	
Other Useful Information	None

10. STABILITY AND RESPONSIVENESS

10.1 Responsiveness
Under normal conditions, it is completely stable to air and light.

10.2 Chemical stability
Under normal conditions, it is completely stable to air and light.

10.3 Possibility of dangerous reactions
Stable under normal conditions

10.4 Conditions to be avoided
Stable under normal conditions

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10.5 Incompatible materials
None in particular

10.6 Hazardous decomposition products
None

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Information on hazard classes defined in Regulation (EC) No. 1272/2008

(a) acute toxicity: based on available data, the classification criteria are not met;
(b) corrosion / skin irritation: based on available data the classification criteria are not met;
(c) severe eye injury/irritation: based on available data the classification criteria are not met;
(d) respiratory or skin sensitization: based on available data the classification criteria are not met;
(e) germ cell mutagenicity: based on available data the classification criteria are not met;
(f) carcinogenicity: based on available data, the classification criteria are not met;
(g) reproductive toxicity: based on available data the classification criteria are not met;
(h) specific target organ toxicity (STOT) single exposure: based on available data the classification criteria are not met;
(i) specific target organ toxicity (STOT) repeated exposure: based on available data the classification criteria are not met;
(j) aspiration hazard: based on available data the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Use according to good working practices, avoiding dispersal of the product into the environment. Notify the appropriate authorities if the product has reached waterways or sewers or contaminated soil or vegetation.

12.1 Toxicity
N.A.

12.2 Persistence and degradability
N.A.

12.3 Bioaccumulation potential
Not relevant for inorganic substances.

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
No other adverse effects are identified.
According to the criteria of the European classification and labeling system, the substance does not require classification as environmentally hazardous.

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13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
PRODUCT
Inorganic product not to be disposed of through biological treatment systems. Dispose of residues in compliance with current regulations through authorized disposers.
Recover if possible. Operate in accordance with current local and national regulations.
CONTAMINATED PACKAGING
Empty as best as possible by fully opening them. Dispose of in accordance with the constituent material.

13.2 HP Phrases
None

14. TRANSPORTATION INFORMATION

14.1 UN Number
Non-dangerous good within 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 Marine pollutant
No

14.6 Special precautions for users
N.A.

14.7 Transport of bulk according to MARPOL Annex II and the IBC Code
N.A.

15. REGULATORY INFORMATION

15.1 Health, safety and environmental regulations and legislation specific to the substance or mixture
Legislative Decree 3/2/1997 No. 52 (Classification, packaging and labeling of dangerous substances)
Legislative Decree 14/3/2003 No. 65 (Classification, packaging and labeling of dangerous preparations)
D.M. Labor 26/02/2004 (Occupational exposure limits)
Ministerial Decree 03/04/2007 (Implementation of Directive No. 2006/8/EC)
Regulation (EC) No. 1907/2006 (REACH)
Regulation (EC) No. 1272/2008 (CLP)
Regulation (EC) No. 790/2009 (ATP 1 CLP)
Regulation (EU) No 453/2010 (Annex I)
Regulation (EU) No 286/2011 (ATP 2 CLP)
Restrictions on the product or substances contained under Annex XVII of the
Regulation (EC) 1907/2006 (REACH) and subsequent adaptations: None

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Where applicable, please refer to the following regulations:
Ministerial Circulars 46 and 61 (Aromatic Amines).
Legislative Decree No. 238 of September 21, 2005 (Seveso Ter Directive).
EC Regulation No. 648/2004 (Detergents).
Royal Decree January 9, 1927, no. 147 (Toxic Gases)
D.L. 3/4/2006 n. 152 Environmental regulations.

15.2 Chemical safety assessment
No

16. OTHER INFORMATION

This sheet cancels and replaces any previous edition.

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 - Annex 1
National Institute of Health - National Inventory of Chemical Substances.

The information contained herein is based on our knowledge as of the date above.

It refers only to the product indicated and does not constitute a guarantee of any particular quality.

The user is responsible for ensuring the suitability and completeness of this information in relation to the specific use to be made of it.

LEGEND SYMBOLS
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Service of the Chemical Abstract (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived no-effect level.
EINECS: European inventory of existing chemicals on the market.
GefStoffVO: Ordinance on hazardous substances, Germany.
GHS: General harmonized system of classification and labeling of chemicals.
IATA: International Air Transport Association.
IATA-DGR: Regulations for the transportation of dangerous goods of the "International Air Transport Association"(IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions of the "International Civil Aviation Organization"(ICAO).
IMDG: International Maritime Dangerous Goods Code.
INCI: International nomenclature of cosmetic ingredients.
KSt: Coefficient of explosion.
LC50: Lethal concentration for 50 percent of the population tested.
LD50: Lethal dose for 50 percent of the population tested.
N.A.: Not Available
PNEC: Predicted no-effect concentration.
RID: Regulations 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 limit value.

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TWATLV: Threshold limit value for an 8-hour weighted average exposure per day. (ACGIH standard).
WGK: German water hazard class.