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

CALCIOSTAB

Revision No. 4, October 2023; Complies with Reg (EU) 2020/878

INDEX

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE MANIFACTURING COMPANY 2

2. HAZARD IDENTIFICATION 2

3. COMPOSITION/INGREDIENT INFORMATION 2

4. FIRST AID MEASURES 3

5. FIRE-FIGHTING MEASURES 3

6. MEASURES IN CASE OF ACCIDENTAL RELEASE 3

7. HANDLING AND STORAGE 3

8. EXPOSURE CONTROL/INDIVIDUAL PROTECTION 4

9. PHISICAL AND CHEMICAL PROPERTIES 4

10. STABILITY AND RESPONSIVENESS 5

11. TOXICOLOGICAL INFORMATION 6

12. ECOLOGICAL INFORMATION 6

13. DISPOSAL CONSIDERATIONS 6

14. TRANSPORTATION INFORMATION 7

15. REGULATORY INFORMATION 7

16. OTHER INFORMATION 8

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

1.1 Product identification
Trade name: Calciostab
Chemical name and synonyms: neutral potassium tartrate in racemic form
Chemical formula: C4H45K2O6
CAS Number: 921-53-9
EC Number: 213-067-8

1.2 Relevant identified uses of the substance/mixture and uses not recommended
Food additive (E336i) for professional use only

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
Symbols: none
Indications of Danger: none
Cautionary Statements: none
Special Provisions: none
Special provisions according to Annex XVII of REACH and subsequent adaptations: none

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

3. COMPOSITION/INGREDIENT INFORMATION

3.1 Substances
Trade name: Calciostab
Chemical name and synonyms: neutral potassium tartrate in racemic form

3.2 Mixture
No mixtures, pure product

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4. FIRST AID MEASURES

4.1 Description first aid measures
In case of inhalation: take the casualty to fresh air. If breathing is difficult give oxygen or give artificial respiration.
In case of skin contact: remove contaminated clothing immediately. Wash immediately with plenty of running water and soap, if necessary, the areas of the body that have come in contact with the toxicant, even if only suspected. Wash the body completely (shower or bath).
In case of eye contact: wash immediately with running water with open eyelids for at least 15 minutes. Consult an ophthalmologist. Protect the uninjured eye.
In case of ingestion: induce vomiting. Seek immediate medical attention, showing safety data sheet.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing means
Suitable extinguishing means
Water. Carbon dioxide (CO2).
Extinguishing media that should not be used for safety reasons
None in particular

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
Employ appropriate respiratory equipment. Collect contaminated water used to extinguish the fire separately. Do not discharge it into the sewer system. If feasible from a safety standpoint, move undamaged containers from the immediate danger area.

5.4 Other information
Water used in firefighting that is contaminated with the product must be disposed of in accordance with local regulations.

6. MEASURES IN CASE OF ACCIDENTAL RELEASE

6.1 Personal precautions, personal protective equipment and emergency procedures
Wear personal protective equipment. Move people to a safe place. Refer to the protective measures set out in section 7 and 8.

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
Small quantities: wash with plenty of water.

6.4 Reference to other sections
See also paragraph 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid skin and eye contact, inhalation of vapors and mists.
Do not eat or drink while working.
Also refer to section 8 for recommended protective equipment.

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7.2 Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
Incompatible materials: none. See also section 10 below.
Indication for premises: adequately ventilated premises.

7.3 Specific end uses
None in particular.

8. EXPOSURE CONTROL/INDIVIDUAL PROTECTION

8.1 Control parameters
No occupational exposure limits available
DNEL exposure limit values: N.A.
PNEC exposure limit values: N.A.

8.2. Exposure controls
Eye protection
Not required for normal use. Operate according to good work practices anyway.

Skin protection
No special precautions are required for normal use.

Hand protection
Not required for normal use.

Respiratory protection
Not necessary for normal use.

Thermal hazards
N.A.

Environmental exposure controls
None

9. PHISICAL AND CHEMICAL PROPERTIES

9.1 Information on general physical and chemical properties

Appearance	White powder
Shape	Powder
Color	White
Odor	Odorless
Olfactory threshold	Not determined
Ph value	3.5
CHANGE OF STATE	
Melting point/interval	230 °C
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

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Upper flammability limits	Not determined
Vapor pressure at 20°C	Not determined
Density at 20°C	1.2 g/ml
Relative density	Not determined
Vapor density at 20°C	Not determined
Evaporation rate	Not determined
Solubility in/Miscibility with water:	At 10 °C: 4 g/1000ml At 100 °C: 61 g/1000ml
Specific rotation	2o/oo aqueous solution, 20°C, 589.2nm. (+32.5° at +35.5°)
Partition coefficient: n-octanol/water	Not determined
Dynamic Viscosity at 20 °C	Not determined
Kinematic Viscosity	Not determined

9.2 Other information

Molecular mass	188.18
Conductivity	Not determined
Liposolubility	Not determined
Particular properties groups of substances	
Other Useful Information	None

10. STABILITY AND RESPONSIVENESS

10.1 Responsiveness
In an aqueous solution mixed with carbonates, it produces abundant foam by releasing carbon dioxide (CO2). Under normal conditions, it is completely stable to air and light. It is neither hygroscopic nor efflorescent.

10.2 Chemical stability
Under normal conditions, it is completely stable to air and light. It is neither hygroscopic nor efflorescent.

10.3 Possibility of dangerous reactions
In an aqueous solution mixed with carbonates, it produces abundant foam by releasing carbon dioxide (CO2).

10.4 Conditions to be avoided
Stable under normal conditions.

10.5 Incompatible materials
None.

10.6 Hazardous decomposition products
None.

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11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes defined in Regulation (EC) No. 1272/2008
Toxicological information regarding the mixture: the product is not toxic.
Toxicological information regarding the main substances in the mixture: in an aqueous solution mixed with carbonates, produces abundant foam by releasing carbon dioxide (CO2).

Unless otherwise specified, the data required by Regulation 453/2010/EC below are intended to be undetermined:

(a) acute toxicity;
(b) skin corrosion/irritation;
(c) serious eye injury/serious eye irritation;
(d) respiratory or skin sensitization;
(e) germ cell mutagenicity;
(f) carcinogenicity;
(g) reproductive toxicity;
(h) specific target organ toxicity (STOT) - single exposure;
(i) specific target organ toxicity (STOT) - repeated exposure;
(j) aspiration hazard.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
(a) Acute aquatic toxicity
Use according to good working practices, avoiding dispersal in the environment.

12.2 Persistence and degradability
N.A.

12.3 Bioaccumulation 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.

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.

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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
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

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