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

SAFETY DATA SHEET

# CASEOMASTER 95

Revision No. 4, 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**
**Chemical name:** Potassium caseinate
**Trade name:** Caseomaster 95
**Trade names and synonims:** enological clarifier
REACH number: substance is not classified and is not subject to REACH registration
CAS: 68131-54-4

**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: technological adjuvant for oenological use
Uses not recommended: 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**
Criteria EC Regulation 1272/2008 (CLP): not classified

**2.2 Label elements**
Labeling according to Regulation (EC) 1272/2008 [CLP]: the substance does not have to be labeled according to Regulation (EC) 1272/2008 CLP
Symbols: none
Hazard statements:
**H315** Causes skin irritation.
**H319** Causes severe eye irritation.
Cautionary Statements:
**P264** Wash hands thoroughly after use.
**P280** Wear protective gloves/protective clothing/eye/face protection.
**P302+P352** IF ON SKIN: Wash thoroughly with water.
**P305+P351+P338** IF EYE CONTACT: rinse thoroughly for several minutes.
Remove any contact lenses if it is convenient to do so. Continue to rinse.
**P337+P313** If eye irritation persists, seek medical attention.
**P332+P313** If skin irritation occurs seek medical attention.
Special provisions: none
Special provisions according to Annex XVII of REACH and subsequent adaptations: none

**2.3 Other hazards**
The substance does not meet the criteria for PBT or vPvB classification according to REACH Regulation (EC) 1907/2006.

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Component information: Potassium caseinate - (in accordance with EEC/EU Reg. 25/10/2011 No. 1169 - Annex II and subsequent additions and amendments).
For professional use only.
For limited food use: oenological use.

## 3. COMPOSITION/INGREDIENT INFORMATION

**3.1 Substances**
**Chemical name**
Potassium caseinate
CAS: 68131-54-4

**3.2 Mixtures**
Pure product

## 4. FIRST AID MEASURES

**4.1 Description first aid measures**
In case of inhalation: no actions to be avoided, no special instructions for rescuers.
In case of skin contact: none in particular.
In case of eye contact: immediately flush with running water with open eyelids for at least 15 minutes. Consult an ophthalmologist. Protect the uninjured eye.
In case of ingestion: none in particular.

## 5. FIRE-FIGHTING MEASURES

**5.1 Extinguishing means**
**Suitable extinguishing means**
All standard firefighting equipment.
**Extinguishing media that should not be used for safety reasons**
None in particular.

**5.2 Special hazards from combustion products**
In case of prolonged exposure or high level of suspended dust, wear respiratory protection in accordance with national legislation.

**5.3 Recommendations for fire suppression operators**
Use respiratory protection. Safety helmet and full protective clothing. Water mist can be used to protect people engaged in extinguishing. It is also advisable to use self-contained breathing apparatus, especially, if working in closed and poorly ventilated places and in any case if using halogenated extinguishing agents (fluobrene, solkane 123, naf etc.). Cool containers with water jets.

**5.4 Other information**
None in particular.

## 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 the sewer 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 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 special technical measures or 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
**Related to contained substances**
Food industries: no specific control provided (act according to correct practice and specific regulations provided for the associated type of risk).
Industrial uses: no specific control provided (act according to correct practice and specific regulations provided for the associated type of risk).
Professional uses: no specific control provided (act according to correct practice and specific regulations provided for the associated type of risk).

### 8.2 Exposure controls
Observe safety measures when handling chemicals.

Provide appropriate ventilation and filtration in workplaces where dust may be generated.
Wash hands before intervals and at the end of the workday. Take off and wash soiled clothing.

**Eye/face protection**
Not required. Operate according to good work practices anyway.

**Skin protection**
Use work clothing.

**Hand protection**
No special precautions required for normal use.

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**Respiratory protection**
During manual operations in case of inadequate ventilation, use mask with dust filter - White, P (EN 143) unless otherwise specified by RSPP and/or environmental hygiene survey assessments.

**Thermal hazards**
None

**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** | 6.5 sol 5% |
| **CHANGE OF STATE** | |
| **Melting point/interval** | Non determined |
| **Boiling point/interval** | Not determined |
| **Flash point** | Non flammable |
| **Flammability (solids, gases)** | Non flammable |
| **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** | 0.5 g/cm$^3$ a 20°C |
| **Vapor density at 20°C** | Not determined |
| **Evaporation rate** | Not determined |
| **Solubility in/Miscibility with water** | Water-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** | None |
| **Other Useful Information** | None |

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## 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.

**10.5 Incompatible materials**
None in particular.

**10.6 Hazardous decomposition products**
None.

## 11. TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects**
**Toxicological information regarding the main substances in the mixture:**
unless otherwise specified, the data required by Regulation 453/2010/EC below are intended to be undetermined:

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 tract 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.

**11.2 Health hazards**
Eye contact: accidental contact of the product with the eyes may cause irritation.
Skin contact: the product is not an irritant.
Repeated and prolonged direct contact may degrease and irritate the skin, causing dermatitis in some cases.
Ingestion: ingested product may cause irritation of the mucous membranes of the throat and digestive tract resulting in abnormal digestive symptoms and intestinal disorders.
Inhalation: prolonged exposures to vapors or mists of the product may cause respiratory tract irritation.

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## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity**
Use according to good working practices, avoiding dispersal in the environment.

**12.2 Persistence and degradability**
Readily biodegradable

**12.3 Bioaccumulative potential**
Not relevant for inorganic substances

**12.4 Mobility in soil**
Bentonite is nearly insoluble and therefore has low mobility in soils

**12.5 Results of PBT and vPvB assessment vPvB substances:** None **- PBT substances:** None

**12.6 Other adverse effects**
No adverse effects found. According to the criteria of the European classification and labeling system, the substance does not require classification as environmentally hazardous.

## 13. DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods**
**PRODUCT**
Inorganic product not to be disposed of through biological treatment systems. Dispose of residues in accordance 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**
Not included in the scope of dangerous goods transport regulations: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

**14.2 UN 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.

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**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 laws and regulations 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 related to the product or the contained substances according to Annex XVII of 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 No. 147 of January 9, 1927 (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.

This document was prepared by a technician competent in SDS and who has received appropriate training.
The information contained herein is based on our knowledge as of the date above.
It relates only to the product indicated and does not constitute a guarantee of any 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.

**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
Istituto Superiore di Sanità - National Inventory of Chemical Substances.

**LEGENDA SIGLES**
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 Commercial Chemical Substances.

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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 Transport 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.