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

ENOCARB BEER PLT

Revision No. 1, May 2026; 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: activated carbon
Trade name: Enocarb Beer PLT
Trade names and synonyms: Bentonite sodium
CAS: 7440-44-0
EC No: 931-328-0
REACH: 01-2119488894-16-XXXX

1.2 Relevant identified uses of the substance/mixture and uses not recommended
Food additive, 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
CAS NO: 7440-44-0
EC No: 931-328-0
REACH: 01-2119488894-16-XXXX
Criteria of Directives 67/548/EC, 99/45/EC as amended: properties/symbols: none.
Criteria EC Regulation 1272/2008 (CLP): the product is not considered hazardous according to EC Regulation 1272/2008 (CLP).
Physicochemical effects harmful to human health and the environment: no other hazards

2.2 Label elements
Labeling in accordance with Regulation (EC) No. 1272/2008
Symbols: no hazard pictograms
Hazard statements: 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
Hazardous components under EC Regulation 1272/2008 (CLP) and their classification
None

3.2 Mixtures

Substance	Concentration	Classification	CAS	EINECS	Index	REACh
ACTIVATED CARBON substance for which EU regulations set workplace exposure limits	100%		7440-44-0	931-328-0		01-2119488894-16-XXXX

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 the MSDS.

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

Can decompose at high temperatures releasing toxic gases. ammonia. Phosphorus oxides.

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

Water used in firefighting that is contaminated with the product should 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 the sewer system.

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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
Do not eat or drink while working.
Also refer to section 8 for recommended protective equipment.

7.2 Conditions for safe storage, including any incompatibilities
Incompatible materials: none in particular.
See also section 10 below.
Indication for premises: adequately ventilated premises.

7.3 Specific end uses
Food industries: handle with care. Store in a clean, dry and ventilated environment, away from heat sources and direct sunlight. Keep container tightly closed.
Industrial uses: handle with extreme care. Store in a well-ventilated place and away from heat sources.
Professional uses: handle with caution.

8. EXPOSURE CONTROL/INDIVIDUAL PROTECTION

8.1 Control parameters
Related to contained substances

Source	Typical value	Value (mg/m$_3$)	Notes
OEL (IT)	TWA	10	Inhalable particles. ACGIH Limit Value Source
OEL (IT)	TWA	3	Inhalable particles. ACGIH Limit Value Source
OEL (IT)	TWA	10	Inhalable particles
ACGIH (US)	TWA	3	Breathable particles

Carbon exposure limit values

Source	Typical value	Value (mg/m$_3$)	Notes
OEL (IT)	TWA	2	Particles responsible. ACGIH Limit Value Source.
OEL (IT)	TWA	10	Inhalable particles. ACGIH Limit Value Source.
OEL (IT)	TWA	3	Respirable particles. ACGIH Limit Value Source.
ACGIH (US)	TWA	2	Particles responsible

Derived level without effect

End use	Inhalation	Effects
Workers	3 mg/m_3	Local and long-term
Consumers	0,5 mg/m_3	Local and long-term

8.2 Exposure controls

Eye protection
Wear safety glasses with side shields according to EN 166. Operate according to good working practices in any case.

Skin protection
No special precautions are required for normal use.

Hand protection
Use chemical-resistant protective gloves (EN 374-1/EN374-2/EN374-3) when handling the pure product. When handling the pure product wear full skin protection clothing (generic/anti-acid work dress, S3-EN ISO 20345 safety shoes) or other protective equipment as directed by the RSPP.

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	Black Powder
Shape	Fine powder
Color	Black
Odor	Odorless
Olfactory threshold	None
Ph value	4.5 sol 5%
CHANGE OF STATE	
Melting point/interval	Not 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

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Upper flammability limits	Not determined
Vapor pressure at 20°C	Not determined
Density at 20°C	0.40 g/cm³
Relative density	Not determined
Vapor density at 20°C	Not determined
Evaporation rate	Not determined
Solubility in/Miscibility with water	Not determined
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

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.
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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: the product is non-toxic.
Oral LD50 > 2000 mg/kg bw (OECD 420 rat)
Unless otherwise specified, the data required by Regulation 453/2010/EC below are intended to be undetermined:

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ATE (mix) oral = ∞
ATE (mix) dermal = ∞
ATE (mix) inhal = ∞

For activated charcoal:

(a) acute toxicity:
Ingestion - LD50 rat (mg/kg/24h bw): >2000
Skin contact - LC50 rat/rabbit (mg/kg/24h bw): n.d.
Inhalation - LD50 rat (mg/l/4h): n.d.
(b) corrosion / skin irritation: non-corrosive;
(c) severe eye injury/irritation: based on available data, the product is found to be non-irritating;
(d) respiratory tract or skin sensitization: non-sensitizing;
(e) germ cell mutagenicity: not mutagenic;
(f) carcinogenicity: the product is not carcinogenic;
(g) reproductive toxicity: not toxic to reproduction;
(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.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
(a) Acute aquatic toxicity
Related to contained substances:
ACTIVATED CARBON
Acute toxicity - fish LC50 (mg/l/96h): n.d.
Acute toxicity - crustaceans EC50 (mg/l/48h): n.d.
Acute toxicity algae ErC50 (mg/l/72-96h): n.d.
Product poses no special risk to the environment.

12.2 Persistence and degradability
Not relevant, inorganic substance.

12.3 Bioaccumulative potential
Minimum, not relevant.

12.4 Mobility in soil
Data not available.

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

12.6 Other adverse effects

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None. Phosphate is a plant nutrient and therefore can promote the growth of phytoplankton in water.

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
Non-dangerous goods within the meaning of transport regulations.

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
N.A.

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 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)

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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.
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.

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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.