essedielle
ENOLOGIALIMENTAZIONE

SISTEMA DI GESTIONE PER LA SICUREZZA ALIMENTARE
CQY 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

SODIUM BICARBONATE

Revision No.6, December 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: sodium bicarbonate
Trade names and synonyms: SODIUM BICARBONATE BSN E 500
CAS: 144-55-8
EINECS/ELINCS: 205-633-8
REACH Registration: 01-2119457606-32-XXXX

1.2 Relevant identified uses of the substance/mixture and uses not recommended
Food uses.

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 classified as hazardous according to Regulation (EC) 1272/2008 (CLP) (as amended and adapted).

3. COMPOSITION/INGREDIENT INFORMATION

3.1 Substances
Hazardous components under EC Regulation 1272/2008 (CLP) and their classification: sodium bicarbonate

3.2. Mixtures

Substance	Concentration	Classification	CAS	EINECS	Index	REACh
Sodium bicarbonate			144-55-8	205-633-8		01-2119457606-32-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).

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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
Use extinguishing media appropriate to local conditions and surroundings. The substance is non-flammable and non-explosive.
Wear the PPE required by current regulations, in particular self-contained breathing apparatus and protective overalls. In the event of fire, fumes and hazardous gases (HCl) may develop.
Further recommendations
It poses no particular risk in the event of fire; however, carbon oxides may be formed. Wear full fire-fighting equipment.
Wear approved protective clothing for the respiratory tract. Also use water spray for vapor abatement. Water/substances used in firefighting must be disposed of properly.

6. MEASURES IN CASE OF ACCIDENTAL RELEASE

6.1 Personal precautions, personal protective equipment and emergency procedures
Wear protective clothing, gloves and safety glasses. Avoid contact with eyes and skin.

6.2 Environmental precautions
Avoid contamination of surface water, washing water or sewage.

6.3 Methods and materials for containment and cleaning up
For containment: collect the product for reuse, if possible, or disposal. Absorb with inert material if possible. Prevent it from entering the sewerage system.
For cleaning: after collection, wash affected area and materials with water.
Other information: none in particular.

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

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Wear appropriate protective equipment. Eating, drinking and smoking are prohibited in areas where the material is handled, stored or processed. Persons using the product must wash their hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering refectory areas.

7.2 Conditions for safe storage, including any incompatibilities
Store in a cool, dry place away from water and moisture. Keep containers tightly closed. Avoid dust formation.
Do not heat above 50°C.
Incompatible materials: acids.

8. EXPOSURE CONTROL/INDIVIDUAL PROTECTION

8.1 Control parameters
TWA (time weighted average) for an 8 h working day = 10 mg/m3 for humans.

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Observe the usual safety measures when handling chemicals and good occupational hygiene and safety practices. Do not eat, drink or smoke during handling. Wash hands after handling and before eating, smoking and using the toilet and at the end of the working period.

8.2 Exposure controls

The suggestions on the use of particular PPE are purely indicative. Their choice must be made on the basis of the type of use of the product and the indications of the supplier of the devices (EN 374).

Eye protection
Use safety glasses (cage goggles) when handling the pure product (EN 166).

Skin protection
Wear full skin protection clothing when handling the pure product.

Hand protection
Use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3) when handling pure product.

Respiratory protection
Not required when adequate ventilation is ensured. Alternatively use protective mask.

Thermal hazards
No hazards to report.

Environmental exposure controls
Depending on how the product is used in the various environmental compartments, remember to comply with any national or EU environmental protection regulations.
Dispose of wash water according to local and national regulations.

9. PHISICAL AND CHEMICAL PROPERTIES

9.1 Information on general physical and chemical properties

Appearance	Crystalline powder
Shape	Powder
Color	White
Odor	Odorless
Olfactory threshold	Not determined
Ph value	Max 8,5 in sol. 52 g/l
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

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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	1,57 g/cm3
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

10. STABILITY AND RESPONSIVENESS

The product is stable under normal conditions of storage, handling and use.
Hygroscopicity: tendency to coagulate due to the action of heat and/or in the presence of moisture.
Incompatible materials: acids.
Releases CO2 during thermal decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Toxicological information regarding the main substances in the mixture: the product is non-toxic.

12. ECOLOGICAL INFORMATION

The product poses no particular risk to the environment.
Use according to good working practices, avoiding dispersion of the product in the environment.
Notify the competent authorities if the product has reached waterways or sewers or has contaminated soil or vegetation.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
PRODUCT
The substance must be disposed of according to current EU directives with possible national or local restrictions (regional and/or provincial regulations).
CONTAMINATED PACKAGING
Uncleaned empty containers must be disposed of in the same way as the product.

13.2 HP Phrases
None

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14. TRANSPORTATION INFORMATION

The product is not to be regarded as dangerous according to the applicable regulations for the transport of dangerous goods by road (A.D.R.), rail (RID), sea (IMDG Code) and air (IATA).

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.

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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.
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.