

## **SECTION 1. Identification of the substance/mixture and of the company/enterprise**

### **1.1. Product identifier**

Product name : ENOVIT POWER

Product code: refer to sales department

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

Fermentation controls

Sectors of use:

Industrial Manufacturing[SU3], Manufacture of food products[SU4], Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Product category:

Process aid for enological use

Not recommended uses

Do not use for purposes other than those listed

### **1.3. Details of the supplier of the safety data sheet**

AEB SpA - Via Vittorio Arici 104 S.Polo - 25134 Brescia (BS) Italy

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Produced by

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#### **1.4. Emergency telephone number**

AEB SpA

Centralino/Switchboard: +39.030.2307.1 - (h 8.30-12.00 13.30-18.00 GMT +1; Lingua/Language: Italiano, English)

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AEB BIOCHEMICAL USA

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AEB OCEANIA PTY LTD

Switchboard: +61 1300 704 971 (GMT +9; Language: English)

## **SECTION 2. Hazards identification**

### **2.1. Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EC) No 1272/2008:

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Pictograms:

None

Hazard Class and Category Code(s):

Non hazardous

Hazard statement Code(s):

Non hazardous

### **2.2. Label elements**

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

None

Hazard statement Code(s):

Non hazardous

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

None in particular.

Informations concerning the components: ammonium sulphate, ammonium phosphate, yeast cell walls, pantothenic acid, cellulose and B1 vitamin.

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Only for professional use. Food use. Also for oenological use. In accordance with current regulations on the specific matter.

### 2.3. Other hazards

The substance / mixture does NOT contain substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

## SECTION 3. Composition/information on ingredients

### 3.1 Substances

Irrilevant

### 3.2 Mixtures

No dangerous substance to report.

| Substance                                                                            | Concentration | Classification | Index | CAS       | EINECS    | REACH |
|--------------------------------------------------------------------------------------|---------------|----------------|-------|-----------|-----------|-------|
| Cellulose<br>substance for which there are<br>Community workplace exposure<br>limits | > 1 <= 5%     |                |       | 9004-34-6 | 232-674-9 |       |

## SECTION 4. First aid measures

### 4.1. Description of first aid measures

Inhalation:

Ventilate the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or medicinal mineral vaseline oil.

### 4.2. Most important symptoms and effects, both acute and delayed

Eye contact: Accidental contact of the product with the eyes may cause irritation and redness due to mechanical effects.  
Contact with skin: The product is not an irritant. Repeated and prolonged direct contacts can degrease and irritate the skin causing dermatitis in some cases.

Ingestion: The ingested product may cause irritation of the mucous membranes of the throat and the digestive system with consequent abnormal digestive symptoms and intestinal disorders. Inhalation: Prolonged exposure to vapors or mists of the product may cause irritation of the respiratory tract.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

No data available.

### **SECTION 5. Firefighting measures**

#### **5.1. Extinguishing media**

Suggested extinguishing media:

Water spray, CO<sub>2</sub>, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing media to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

#### **5.2. Special hazards arising from the substance or mixture**

No data available.

#### **5.3. Advice for firefighters**

Use protection for the breathing apparatus

Safety helmet and full protective clothing.

The water spray can be used to protect the people involved in the extinction.

You may also use self-contained breathing apparatus, especially when working in confined and poorly ventilated areas and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

### **SECTION 6. Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear gloves and protective clothing

6.1.2 For emergency responders:

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provide a sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

#### **6.2. Environmental precautions**

Contain spills with earth or sand.

If the product has entered a watercourse, sewers or has contaminated soil or vegetation, notify the authorities.

Dispose of the waste material in compliance with the regulations

#### **6.3. Methods and material for containment and cleaning up**

6.3.1 Containment:

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material or suck it.

Prevent it from entering the sewer system.

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**6.3.2 Cleaning up:**

After wiping up, wash with water the area and materials involved

**6.3.3 Other information:**

None in particular.

**6.4. Reference to other sections**

Refer to paragraphs 8 and 13 for more information

**SECTION 7. Handling and storage**

**7.1. Precautions for safe handling**

Avoid contact and inhalation of vapors

At work do not eat or drink.

See also paragraph 8 below.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep in original container closed tightly. Do not store in open or unlabelled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool and dry place, away from heat sources and direct exposure to sunlight.

**7.3. Specific end use(s)**

Industrial Manufacturing:

Handle with extreme caution.

Store in a well ventilated place away from heat sources.

Manufacture of food products:

Handle with care.

Store in a clean, dry, ventilated area away from heat and direct sunlight.

Keep container tightly closed.

Public domain (administration, education, entertainment, services, craftsmen):

Handle with care. Store in a ventilated area and away from heat, keep the container tightly closed.

**SECTION 8. Exposure controls/personal protection**

**8.1. Control parameters**

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Related to contained substances:

Cellulose:

Limit value - Eight hours

(ppm)/(mg/m<sup>3</sup>)

Australia: x/10(1)

Belgio: x/10

Canada – Ontario: x/10

Canada - Québec: x/10

France: x/10 inhalable aerosol

Ireland: x/10(1); x/4(2)

Latvia: x/2

New Zealand: x/10(1)

People's Republic of China: x/10

Singapore: x/10  
South Korea: x/10  
Spain: x/10 inhalable aerosol  
Switzerland: x/3 respirable aerosol  
USA - NIOSH: x/10(1); x/5(2)  
USA - OSHA: x/15 total dust; 5 respirable dust  
United Kingdom: : x/10 inhalable aerosol; 4 respirable aerosol

Limit value - Short term  
(ppm)/(mg/m<sup>3</sup>)

Ireland: x/20 (1)(3)  
United Kingdom: x/20 inhalable aerosol

**Remarks:**

Australia: (1) This value is for inhalable dust containing no asbestos and <1 % crystalline silica.  
Ireland: (1) Inhalable fraction (2) Respirable fraction (3) 15 minutes reference period  
New Zealand: (1) The value for inhalable dust containing no asbestos and less than 1% free silica.  
USA – NIOSH: (1) Total dust (2) Respirable aer

## 8.2. Exposure controls



Appropriate engineering controls:

Industrial Manufacturing:

No specific monitoring foreseen (act according to good practice and specific rules for the type of risk associated)

Manufacture of food products:

No specific monitoring foreseen (act according to good practice and specific rules for the type of risk associated)

Public domain (administration, education, entertainment, services, craftsmen):

No specific monitoring foreseen (act according to good practice and specific rules for the type of risk associated)

### 8.2.2 Individual protection measures:

(a) Eye / face protection

When handling the pure product use safety glasses (EN 166).

(b) Skin protection

(i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3) or rubber gloves or lactic gloves or other protective equipment, according to the instructions of the employer

(ii) Other

When handling the pure product, wear full protective clothing (generic workwear / antacid, safety shoes S3-EN ISO 20345) or other protective equipment, according to the instructions of the employer

(c) Respiratory protection

Not needed for normal use.

During manual operations in case of insufficient ventilation, use mask with dust filter - White, P (EN 143) unless otherwise provided by the employer and / or assessments of environmental investigations hygienistic

(d) Thermal hazards  
No hazard to report

Environmental exposure controls:

Use according to good working practices and avoid to disperse the product into the environment.

## SECTION 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| Physical and chemical properties             | Value                                                                             | Determination method |
|----------------------------------------------|-----------------------------------------------------------------------------------|----------------------|
| Appearance                                   | Beige powder with crystals                                                        |                      |
| Odour                                        | not determined as considered not relevant for the characterization of the product |                      |
| Odour threshold                              | not determined as considered not relevant for the characterization of the product |                      |
| pH                                           | 7,5 ± 0,5 (20°C; sol. 5%)                                                         |                      |
| Melting point/freezing point                 | not determined as considered not relevant for the characterization of the product |                      |
| Initial boiling point and boiling range      | not determined as considered not relevant for the characterization of the product |                      |
| Flash point                                  | not determined as considered not relevant for the characterization of the product | ASTM D92             |
| Evaporation rate                             | not determined as considered not relevant for the characterization of the product |                      |
| Flammability (solid, gas)                    | not determined as considered not relevant for the characterization of the product |                      |
| Upper/lower flammability or explosive limits | not determined as considered not relevant for the characterization of the product |                      |
| Vapour pressure                              | not determined as considered not relevant for the characterization of the product |                      |
| Vapour density                               | not determined as considered not relevant for the characterization of the product |                      |
| Relative density                             | 0,70 ± 0,05 (20°C)                                                                |                      |
| Solubility                                   | not determined as considered not relevant for the characterization of the product |                      |
| Water solubility                             | not determined as considered not relevant for the characterization of the product |                      |
| Partition coefficient: n-octanol/water       | not determined as considered not relevant for the characterization of the product |                      |
| Auto-ignition temperature                    | not determined as considered not relevant for the characterization of the product |                      |
| Decomposition temperature                    | not determined as considered not relevant for the characterization of the product |                      |
| Viscosity                                    | not determined as considered not relevant for the characterization of the product |                      |
| Explosive properties                         | not determined as considered not relevant for the characterization of the product |                      |
| Oxidising properties                         | not determined as considered not relevant for the characterization of the product |                      |

### 9.2. Other information

No data available.

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

No reactivity hazards

### 10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

### 10.3. Possibility of hazardous reactions

There are no hazardous reactions

### 10.4. Conditions to avoid

Nothing to report

### 10.5. Incompatible materials

None in particular.

### 10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

ATE(mix) oral =  $\infty$

ATE(mix) dermal =  $\infty$

ATE(mix) inhal =  $\infty$

(a) acute toxicity: Cellulose: Ingestion-rat LD50 (mg/kg/bw 24h): >5000

Skin contact-LC50 rat/coniglio (mg/kg/bw 24h): >2000

Inhalation-rat LD50 (mg/l/4h): >5800

(b) skin corrosion/irritation Cellulose: Non-corrosive

Cellulose: Non-irritating

(c) serious eye damage/irritation: Cellulose: Non-corrosive

Cellulose: Non-irritating

(d) respiratory or skin sensitization: Cellulose: Non-Sensitizing

(e) germ cell mutagenicity: Cellulose: Not available

(f) carcinogenicity: Cellulose: Not available

(g) reproductive toxicity: Cellulose: Not available

(h) specific target organ toxicity (STOT) single exposure: Cellulose: Not available

- (i) specific target organ toxicity (STOT) repeated exposure Cellulose: Not available  
(j) aspiration hazard: Cellulose: Not available

**Health Hazards:**

Eye contact: Accidental contact of product with eyes may cause irritation.

Skin Contact: Product is not an irritant. Prolonged or repeated contact may defeat and irritate the skin and cause dermatitis in some cases.

Ingestion: The ingested product may cause irritation of the mucous membranes of the throat and digestive system leading to digestive symptoms and abnormal bowel disorders.

Inhalation: Prolonged exposure to vapours or mists of product may cause respiratory irritation.

Cellulosa

\*\*\*\* Not translated \*\*\*\*

## **SECTION 12. Ecological information**

### **12.1. Toxicity**

Use according to good working practices and avoid to disperse the product into the environment.

### **12.2. Persistence and degradability**

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Related to contained substances:

Cellulose:

Not persistent

### **12.3. Bioaccumulative potential**

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Related to contained substances:

Cellulose:

There is no evidence of bioaccumulation potential.

### **12.4. Mobility in soil**

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Related to contained substances:

Cellulose:

Not available

### **12.5. Results of PBT and vPvB assessment**

The substance / mixture does NOT contain substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

### **12.6. Other adverse effects**

No adverse effects

## **SECTION 13. Disposal considerations**

### **13.1. Waste treatment methods**

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.  
Recover if possible. Operate according to local or national regulations

## **SECTION 14. Transport information**

### **14.1. UN number**

Not included in the field of application of regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

### **14.2. UN proper shipping name**

None

### **14.3. Transport hazard class(es)**

None

### **14.4. Packing group**

None

### **14.5. Environmental hazards**

None

### **14.6. Special precautions for user**

No data available.

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and IBC Code**

Transport in bulk is not foreseen

## **SECTION 15. Regulatory information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Restrictions relating to the product or contained substances (All. XVII Reg. EC 1907/2006): not applicable  
Substances in Candidate List (art. 59 Reg. EC 1907/2006): the product does not contain SVHC  
Substances subject to authorisation (Ann. XIV Reg. CEC 1907/2006): the product does not contain SVHC  
Reg. EC 648/04: see 2.2

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Reg. (EU) n. 1169/2011: see 2.2

## **15.2. Chemical safety assessment**

No chemical safety assessment was carried out by the supplier

## **SECTION 16. Other information**

### **16.1. Other information**

Classification based on data of all mixture components

Main normative references:

Reg. (CE) n. 1907 del 18/12/06 REACH (Registration, Evaluation and Authorisation of CHemicals) et seq.

Reg. (CE) 1272/2008 CLP (Classification Labelling and Packaging) et seq.

Regulation (EC) n. 648 of 31/03/04 (on detergents) et seq.

Regulation (UE) n. 1169/2011 (on the provision of food information to consumers)

Directive 2012/18/EU (on the control of major-accident hazards involving dangerous substances) et seq.

Procedure used to classify under CLP mixture (Reg . EC 1272/2008): irrilvant

Training required: This document must be submitted to the employer to determine the possible need for appropriate training for workers to ensure protection of human health and the environment.

n.a.: not applicable

n.d.: not available

ADR: Accord européen relative au transport International des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

ATE: Acute Toxicity Estimati

BFC: BioconCentration Factor

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstract Service number

CAP: Centre AntiPoison

CE/EC number EINECS (European Inventory of existing Commercial Substances) e ELINCS (European List of notified Chemical Substances)

CL50/LC50: Lethal Concentration 50

DL50/LD50: Lethal Dose 50

COD: Chemical Oxygen Demand

DNEL: Derived No Effect Level

EC50: half maximal Effective Concentration

ERC: Enviroment Release Classes

EU/UE: European Union

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods code

Kow: Octanol water partition coefficient

NOEC: No Observed Effect Concentration

OEL: Occupational Exposure Limit

PBT: Persistent Bioaccumulative and Toxic

PC: Product Categories

PNEC: Predicted No Effect Concentration

PROC: Process Categories

RID: Règlement concernant le transport International ferroviaire des marchandises dangereuses (Regulations concerning International rail transport of dangerous goods)

STOT: Target Organ Systemic Toxicity

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STOT (RE): Repeated Exposure  
STOT (SE): Single Exposure  
STP: Sewage Treatment Plants  
SU: Sector of Use  
SVCH: Substance of Very High Concern  
TLV: Threshold Limit Value  
vPvB: Very Persistent Very Bioaccumulative

References and Sources:

- ECHA Registered Substances:
- <https://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>
- SDS supplier
- GESTIS DNEL Database: <http://www.dguv.de/ifa/gestis/gestis-dnel-datenbank/index-2.jsp>
- GESTIS International Limit Value: <http://limitvalue.ifa.dguv.de>

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\*\*\* this tab annuls and replaces any previous edition. (IIXX)

Changes to the previous edition: sec.2, sec. 9, documental allignment

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