

**SECTION 1. Identification of the substance/mixture and of the company/enterprise****1.1. Product identifier**

Product name : DISTILLERVIT  
Product code: refer to sales department

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

Bioregulators and nutrients  
Sectors of use:  
Manufacture of food products[SU4]  
Product category:  
Process aid, for oenological and for distillation purposes

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 OCEANIA PTY LTD

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**SECTION 2. Hazards identification****2.1. Classification of the substance or mixture**

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

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):

EUH210 - Safety data sheet available on request.

Precautionary statements:

None in particular.

Ingredients: ammonium sulphate, diammonium hydrogen phosphate(\*), excipient, thiamine hydrochloride (vitamin B1) 0.2%.

Food use, oenological use and for distillation purposes . Not intended for the final consumer. In accordance with current regulations on the specific matter

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\*alternative name: ammonium biphosphate.

### 2.3. Other hazards

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

This document is outside the scope of Article 31 of REACH

## SECTION 3. Composition/information on ingredients

### 3.1 Substances

Irrilevant

### 3.2 Mixtures

No dangerous substance to report.

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
PERLITE substance for which there are Community workplace exposure limits	$\geq 3 < 5\%$			93763-70-3		

## 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 dangerous. In case of malaise consult a doctor.

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

Eye contact may cause irritation, including redness and tear. The product is not irritating to the skin; However, repeated and prolonged direct contact may degrade and irritate the skin, causing in some cases dermatitis. The ingested product can cause irritation of the throat and digestive tract mucous, resulting in abnormal digestive symptoms and intestinal disorders. The inhaled product may cause respiratory irritation for repeated exposures.

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

In case of discomfort after contact with the product, go to the Emergency Department with this document.  
Symptomatic treatment

**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.

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

Inform the competent authorities.

Dispose of the waste material in compliance with the regulations

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

#### 6.3.1 Containment:

Recover the product for reuse, if possible, or for elimination.

#### 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

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)

Manufacture of food products:

Handle with care. Store in a clean, dry and ventilated place, away from heat sources and direct sunlight. Store in the original packaging, tightly closed.

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

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Related to contained substances:

PERLITE:

Perlite: Crystalline Silica

Limit value - 8 hours

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

Australia: x / 0.05 (1)

Belgium: x / 0.05

Canada - Ontario: x / 0.05 (1)

Canada - Québec: x / 0.05 (1)

South Korea: x / 0.05 (respirable dust)

Denmark: x / 0.15 (1)

x / 0.05 (2)

Spain: x / 0.05 (1)

France: x / 0.05 respirable aerosol

Hungary: x / 0.15 respirable aerosol

Ireland: x / 0.1 (1)

New Zealand: x / 0.1 (1)  
Netherlands: x / 0.075 respirable dust  
Poland: x / 0.1 (1)  
Singapore: x / 0.05 respirable aerosol  
Sweden: x / 0.05 (1)  
Switzerland: x / 0.15 respirable aerosol  
USA - NIOSH: x / 0.05  
USA - OSHA: 0.5 (30 / (% silica + 2))

Limit value - Short term  
(ppm) / (mg / m<sup>3</sup>)  
Denmark: x / 0.3 (1) (3)  
x / 0.1 (2) (3)

## Observations

Australia: (1) Respirable fraction.  
Canada - Ontario: (1) Breathable aerosol.  
Canada - Québec: (1) Respirable fraction.  
Denmark: (1) Inhalable fraction (2) Respirable fraction (3) 15 minute mean value.  
France: Restrictive legal limit values.  
Ireland: (1) Respirable fraction.  
New Zealand: (1) Breathable aerosol.  
Poland: (1) Respirable fraction.  
Spain: (1) Respirable fraction.  
Sweden: (1) Respirable dust.

Perlite: Powder

Limit value - Eight hours  
(ppm) / (mg / m<sup>3</sup>)  
Australia: x / 10 (1)  
Austria: x / 5 inhalable aerosol  
Belgium: x / 10  
Canada - Ontario: x / 10 (1)  
Canada - Quebec: x / 10 (total)  
x / 5 (breathable)  
South Korea: x / 10  
Latvia: x / 4 (1)  
People's Republic of China: x / 8 (1)  
x / 4 (2)  
Singapore: x / 10  
USA - NIOSH: x / 10 total dust  
x / 5 respirable fraction.

Limit value - Short term  
(ppm) / (mg / m<sup>3</sup>)  
Australia: x / x  
Austria: x / 10 inhalable aerosol  
Belgium: x / x  
Canada - Ontario: x / x  
Canada - Quebec: x / x  
South Korea: x / x  
Latvia: x / x  
People's Republic of China: x / x  
Singapore: x / x  
USA - NIOSH: x / x

## Notes:

Australia: (1) This value is for inhalable dust that does not contain asbestos and <1% crystalline silica.  
Canada - Ontario: (1) This value is for inhalable dust that does not contain asbestos and <1% crystalline silica

Latvia: (1) and tuff, pemza.

People's Republic of China: (1) Inhalable fraction (2) Respirable fraction.

Perlite has not been classified separately by the Occupational Safety and Health Administration (OSHA). However, the product contains crystalline silica in the form of quartz powder below 0.1%. In 2011 the International Agency for Research on Cancer (IARC) concluded that crystalline silica in the form of quartz or cristobalite powder is carcinogenic to humans (Group 1).

## 8.2. Exposure controls

Appropriate engineering controls:

Manufacture of food products:

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

Not needed for normal use, unless otherwise provided by the employer and / or by assessments of environmental hygiene investigations

#### (b) Skin protection

##### (i) Hand protection

Not needed for normal use, unless otherwise provided by the employer and / or by assessments of environmental hygiene investigations

##### (ii) Other

Wear normal work clothing.

#### (c) Respiratory protection

Not needed for normal use, unless otherwise provided by the employer and / or by assessments of environmental hygiene investigations

#### (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
Physical state	Granular powder	
Colour	White	
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	

Physical and chemical properties	Value	Determination method
Melting point/freezing point	not determined as considered not relevant for the characterization of the product	
Boiling point or initial boiling point and boiling range	not determined as considered not relevant for the characterization of the product	
Flammability	not determined as considered not relevant for the characterization of the product	
Lower and upper explosion limit	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
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	
pH	8,0 ± 0,5 (20 °C; sol 1 % )	
Kinematic viscosity	not determined as considered not relevant for the characterization of the product	
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 (log value)	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	
Density and/or relative density	0,80 - 0,95 (20°C)	
Relative vapour density	not determined as considered not relevant for the characterization of the product	
Particle characteristics	not determined as considered not relevant for the characterization of the product	

## 9.2. Other information

### 9.2.1 Information with regard to physical hazard classes

Irrilevant

### 9.2.2 Other safety characteristics

Irrilevant

## 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**

Decomposed heat emits HCl.

**SECTION 11. Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

(a) acute toxicity

ATE(mix) oral = Not classified (no relevant components)

ATE(mix) dermal = Not classified (no relevant components)

ATE(mix) inhal = Not classified (no relevant components)

(b) skin corrosion/irritation: Based on available data, the classification criteria are not met.

(c) serious eye damage/irritation: Based on available data, the classification criteria are not met.

(d) respiratory or skin sensitisation: 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.

Regarding components:

(a) acute toxicity:

PERLITE: Non toxic

(b) skin corrosion/irritation:

PERLITE: Not corrosive

PERLITE: Not irritating

(c) serious eye damage/irritation:

PERLITE: Not corrosive

PERLITE: Not irritating

(d) respiratory or skin sensitisation:

PERLITE: There is no classification of respiratory or skin sensitivity.

(e) germ cell mutagenicity:

PERLITE: Based on available data, the classification criteria are not met.

(f) carcinogenicity:

PERLITE: Based on available data, the classification criteria are not met.

(g) reproductive toxicity:

PERLITE: Based on available data, the classification criteria are not met.

(h) specific target organ toxicity (STOT) single exposure:

PERLITE: Based on available data, the classification criteria are not met.

(i) specific target organ toxicity (STOT) repeated exposure

PERLITE: Based on available data, the classification criteria are not met.

(j) aspiration hazard:

PERLITE: Based on available data, the classification criteria are not met.

## 11.2. Information on other hazards

No data available.

### 11.2.1. Endocrine disrupting properties

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

## SECTION 12. Ecological information

### 12.1. Toxicity

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Related to contained substances:

PERLITE:

Not ecotoxic

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:

PERLITE:

Not relevant for inorganic substance

### 12.3. Bioaccumulative potential

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Related to contained substances:

PERLITE:

Not relevant for inorganic substance

**12.4. Mobility in soil**

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Related to contained substances:

PERLITE:

Not significant

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

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

**12.6. Endocrine disrupting properties**

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

**12.7. 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 or ID 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

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**14.5. Environmental hazards**

None

**14.6. Special precautions for user**

No data available.

**14.7. Maritime transport in bulk according to IMO instruments**

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 the substances contained (Annex XVII EC Reg. 1907/2006): not applicable  
Substances in Candidate list (art. 59 EC Reg. 1907/2006): the product does not contain SVHC in percentage = a 0.1 %.

Regulation (EU) 1169/2011: see point 2.2

Regulation (EU) 1308/2013; see point 2.2

Regulation (EC) 1333/2008; see point 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 and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

No hazard to report. Classification procedure: Calculation method

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.

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

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: Environment 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  
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 raw material supplier
- GESTIS International Limit Value: <http://limitvalue.ifa.dguv.de>

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Changes to the previous edition: firts issue

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