

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

**1.1. Product identifier**

Product name : FIBROXCEL VAC  
Product code: refer to sales department

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

Filtration adjuvants  
Sectors of use:  
Manufacture of food products[SU4]  
Product category:  
Technological adjuvant for limited food 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  
Tel. +39.030.2307.1 Fax +39.030.2307281  
E-mail: [info@aeb-group.com](mailto:info@aeb-group.com) - Internet: [www.aeb-group.com](http://www.aeb-group.com)  
E-mail tecnico competente/technical dept.: [sds@aeb-group.com](mailto:sds@aeb-group.com)

AEB USA  
111 N Cluff Avenue  
Lodi CA 95240 (USA)  
Tel: +1 2096258139 Fax: +1 2092248953  
Email: [info@aebusa.com](mailto:info@aebusa.com) - Internet: [www.aeb-group.com](http://www.aeb-group.com)

AEB AFRICA (PTY) LTD  
18 Track Crescent, Cor. Station Road  
Montague Gardens 7441  
Cape Town (South Africa)  
Tel.: +27 215512700 - Fax: +27 (0) 215511919  
Email: [info@aeb.co.za](mailto:info@aeb.co.za) - Internet: [www.aeb-group.com](http://www.aeb-group.com)

AEB OCEANIA PTY LTD  
178A Wakaden Street  
Griffith NSW 2680  
T: 1300 704 971  
Email: [aebocania@aeb-group.com](mailto:aebocania@aeb-group.com) - Internet: [www.aeb-group.com](http://www.aeb-group.com)

Produced by  
AEB IBERICA, S.A.U  
Av. Can Companyà, 13  
08755 Castellbisbal (Barcelona)

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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 USA

Switchboard: +1 2096258139 (GMT -8; Language: English)

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AEB AFRICA (PTY) LTD

Switchboard: +27 215512700 (GMT +1; Language: English, Afrikaans)

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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:

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.

Contains:

Perlite and cellulose.

Food use.

Not intended for the final consumer.

Compliant with current regulations on specific matters.

**2.3. Other hazards**

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

**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	>= 50 < 100%			93763-70-3		
Cellulose substance for which there are Community workplace exposure limits	>= 25 < 50%			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**

Contact with eyes may cause redness and irritation due to the mechanical effects of the dust.

**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.

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:

Move away from the area around the spill or leak. Smoking prohibited. Wear a mask, gloves and protective clothing.

6.1.2 For emergency responders:

Avoid the formation of dust. Avoid inhalation of dust. Ensure adequate ventilation. Eliminate all open flames and possible sources of ignition. Smoking prohibited. Provide adequate ventilation. Evacuate the danger area and if necessary consult an expert.

### 6.2. Environmental precautions

Contain spills

Inform the competent 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 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. Keep the container tightly closed, away from humidity and strong odors.

### SECTION 8. Exposure controls/personal protection

#### 8.1. Control parameters

=====  
Related to contained substances:  
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). Not

However, the product contains crystalline silica in the form of quartz powder below 0.1%. In 2011 the Agency

International Research on Cancer (IARC) concluded that crystalline silica in the form of quartz powder or

Cristobalite is carcinogenic to humans (Group 1).

Limit value - 8 hours

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

Australia: x / 10 (1)

Belgium: x / 10

Canada - Ontario: x / 10

Canada - Quebec: x / 10

South Korea: x / 10  
Spain: x / 10 inhalable aerosol  
France: x / 10 inhalable aerosol  
Ireland: x / 10 (1); x / 4 (2)  
Latvia: x / 2  
New Zealand: x / 10 (1)  
UK: x / 10 inhalable aerosol; 4 value breathable aerosol  
People's Republic of China: x / 10  
Singapore: x / 10  
Switzerland: x / 3 breathable aerosol  
USA - NIOSH: x / 10 (1); x / 5 (2)  
USA - OSHA: x / 15 total dust; 5 breathable dust

Limit value - Short term

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

Ireland: x / 20 (1) (3)

UK: x / 20 inhalable aerosol

Notes:

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

Ireland: (1) Inhalable fraction (2) Respirable fraction (3) 15 minute reference period.

New Zealand: (1) Value for inhalable dust containing no asbestos and less than 1% free silica.

USA - NIOSH: (1) Total dust (2) Respirable aerosol

## 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

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

(b) Skin protection

(i) Hand protection

Not necessary for normal use, unless indicated by the person responsible for occupational risk prevention and / or the assessment of the environmental hygienist's analysis.

(ii) Other

Wear normal work clothing.

(c) Respiratory protection

During manual operations, in case of insufficient ventilation, use a mask with a dust filter - type P3 (EN 143) unless otherwise indicated by the person responsible for the prevention of occupational risks or the assessment of the environmental hygienist analysis

(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	Homogeneous powder	
Colour	white	
Odour	not determined as it is considered not relevant for the characterization of the product	
Odour threshold	not determined as it is considered not relevant for the characterization of the product	
pH	7,0 ± 1 (20 ° C; sol 10%)	
Melting point/freezing point	not determined as it is considered not relevant for the characterization of the product	
Initial boiling point and boiling range	not determined as it is considered not relevant for the characterization of the product	
Flash point	not determined as it is considered not relevant for the characterization of the product	ASTM D92
Evaporation rate	not determined as it is considered not relevant for the characterization of the product	
Flammability (solid, gas)	not determined as it is considered not relevant for the characterization of the product	
Upper/lower flammability or explosive limits	not determined as it is considered not relevant for the characterization of the product	
Vapour pressure	not determined as it is considered not relevant for the characterization of the product	
Vapour density	not determined as it is considered not relevant for the characterization of the product	
Relative density	0,14 ± 0,02 (20 ° C)	
Solubility	not determined as it is considered not relevant for the characterization of the product	
Water solubility	not determined as it is considered not relevant for the characterization of the product	
Partition coefficient: n-octanol/water	not determined as it is considered not relevant for the characterization of the product	
Auto-ignition temperature	not determined as it is considered not relevant for the characterization of the product	
Decomposition temperature	not determined as it is considered not relevant for the characterization of the product	
Viscosity	not determined as it is considered not relevant for the characterization of the product	
Explosive properties	not determined as it is considered not relevant for the characterization of the product	
Oxidising properties	not determined as it is 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

Combustion gases: Carbon monoxide and carbon dioxide.

## SECTION 11. Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

(a) acute toxicity: Perlite: Non-toxic.

Cellulose: Ingestion - LD50 rat (mg / kg / 24h bw):> 5,000

Skin contact - LC50 rat / rabbit (mg / kg / 24h bw):> 2,000

Inhalation - LD50 rat (mg / l / 4h):> 5,800

(b) skin corrosion / irritation: Perlite: Non-corrosive.

Cellulose: Non-corrosive.

Perlite: Not irritating.

Cellulose: Not irritating.

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

Cellulose: Non-corrosive.

Perlite: Not irritating.

Cellulose: Not irritating.

(d) respiratory or skin sensitization: Perlite: There is no classification for respiratory or skin sensitization.

Cellulose: Not sensitizing.

(e) Germ cell mutagenicity: Perlite: Based on available data, the classification criteria are not met.

Cellulose: Not available.

- (f) Carcinogenicity: Perlite: Based on available data, the classification criteria are not met.  
Cellulose: Not available.
- (g) Reproductive toxicity: Perlite: Based on available data, the classification criteria are not met.  
Cellulose: Not available.
- (h) Specific target organ toxicity (STOT) - single exposure: Perlite: Based on available data, the classification criteria are not met.  
Cellulose: Not available.
- (i) Specific Target Organ Toxicity (STOT) - Repeated Exposure: Perlite: Based on available data, the classification criteria are not met.  
Cellulose: Not available.
- (j) Aspiration hazard: Perlite: Based on available data, the classification criteria are not met.  
Cellulose: Not available.

**Health hazards:**

Eye exposure: Accidental contact of the product with the eyes can cause irritation.

Skin exposure: The product is not an irritant. Prolonged and repeated direct contact can dry out and irritate the skin, causing dermatitis in some cases.

Ingestion: Ingestion of the product can cause irritation of the mucous membranes of the throat and the digestive system, leading to abnormal digestive symptoms and intestinal disorders.

Inhalation: Prolonged exposure to product vapors or mists may cause irritation to the respiratory tract.

**11.2. Information on other hazards**

Perlite does not exceed the criteria to be considered dangerous according to EC Regulation 1272/2008 and Directive 67/548 / EC which amends it.

Perlite contains less than 0.1% w / w Respirable Crystalline Silica (RCS).

**SECTION 12. Ecological information**

**12.1. Toxicity**

=====  
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**

=====  
Related to contained substances:  
PERLITE:  
Not relevant for inorganic substance

Cellulose:  
Not persistent

**12.3. Bioaccumulative potential**

=====  
Related to contained substances:  
PERLITE:  
Not relevant for inorganic substance

Cellulose:  
There is no evidence of bioaccumulation potential.

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

=====  
Related to contained substances:  
PERLITE:  
Not significant

Cellulose:  
Not available

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

No PBT/vPvB ingredient is present

#### **12.6. Endocrine disrupting properties**

No data available.

#### **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

#### **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 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  
Reg. (EU) n. 1169/2011: see 2.2  
Reg (UE) 528/2012: see.to 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.

Regulation (UE) 528/2012 (Biocides) et seq.

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

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 Oxigen 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  
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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Changes to the previous edition: documental alignment..