

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

**1.1. Product identifier**

Product name : SPINDACEL XX  
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: [aeboceania@aeb-group.com](mailto:aeboceania@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)

**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)

---

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

---

AEB AFRICA (PTY) LTD  
Switchboard: +27 215512700 (GMT +1; Language: English, Afrikaans)

---

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. For food use.  
For oenological use. Not intended for the final consumer. Compliant with current regulations on specific matters.

### 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

Depending on use and handling (grinding, drying, packaging), dust may be generated in the environment. The dust contains respirable crystalline silica. Inhaling dust containing crystalline silica for an extended period may cause adverse effects on the lungs. Crystalline silica (cristobalite) is a known cause of silicosis, a progressive and in some cases very serious lung disease. Perlite contains less than 0.1% crystalline silica. Use of the product according to the supplier's instructions minimizes the risk of exposure to respirable crystalline silica.

## 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	$\geq 50 < 100\%$			93763-70-3		
Cellulose substance for which there are Community workplace exposure limits	$\geq 1 < 5\%$			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 dangerous. In case of malaise consult a doctor.

### 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:

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

Wear gloves and protective clothing

6.1.2 For emergency responders:

Avoid inhaling the dust. Ensure adequate ventilation. Eliminate all open flames and possible sources of ignition. Not smoking. Ensure adequate ventilation. Evacuate the danger area and consult an expert if necessary.

### **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 odours.

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

=====

Relativi alle sostanze contenute:

Perlite: Powder (n°CAS 93763-70-3)

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 (1)(3); x/5 (2)(3)

Latvia: x/4 (1)

Norway: x/10 (1); x/4 (2); x/2 (3)

People's Republic of China: x/8 (1); x/4 (2)

Singapore: x/10

South Korea: x/10

USA - NIOSH: x/10 (1); x/5 (2)

USA - OSHA: x/15 (1); x/5 (2)

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

Latvia: x/x

Norway: x/x

People's Republic of China: x/x

Singapore: x/x

South Korea: x/x

USA - NIOSH: x/x

USA - OSHA: x/x

Remarks:

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

Canada - Québec: (1) Total dust (2) Respirable fraction (3) The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1%

Latvia: (1) And Tuff, pemza.  
Norway: (1) Total dust (2) Respirable fraction (3) Persulfates  
People's Republic of China: (1) Inhalable fraction (2) Respirable fraction.  
USA - NIOSH: (1) Total dust (2) Respirable fraction  
USA - OSHA: (1) Inhalable fraction (2) Respirable fraction

Perlite: Crystalline Silica (Cristobalite, total – n° CAS 14464-46-1)  
Limit value - 8 hours  
(ppm)/(mg/m<sup>3</sup>)  
Australia: x/0.05 (1)  
Canada - Ontario: x/0.05 (1)  
Canada - Quebec: x/0.05 (1)  
Denmark: x/0.15 (1); x/0.05 (2)  
France: x/0.05 respirable aerosol (Restrictive statutory limit value)  
Hungary: x/0.15 respirable aerosol  
Ireland: x/0.1 (1)  
New Zealand: x/0.1 (1)  
Norway: x/0.15 (1); x/0.05 (2)  
Poland: x/0.1 (1)  
Singapore: x/0.05 respirable aerosol  
South Korea: x/0.05 (1)  
Spain: x/0.05 (1)  
Sweden: x/0.05 (1)  
Switzerland: x/0.15 respirable aerosol  
The Netherlands: x/0.075 respirable dust  
USA - NIOSH: x/0.05  
USA - OSHA: x/0.05 (1)

Limit value - Short term  
(ppm)/(mg/m<sup>3</sup>)  
Australia: x/x  
Canada - Ontario: x/x  
Canada - Quebec: x/x  
Denmark: x/3 (1)(3); x/0.1 (2)(3)  
France: x/x  
Hungary: x/x  
Ireland: x/x  
New Zealand: x/x  
Norway: x/x  
Poland: x/x  
Singapore: x/x  
South Korea: x/x  
Spain: x/x  
Sweden: x/x  
Switzerland: x/x  
The Netherlands: x/x  
USA - NIOSH: x/x  
USA - OSHA: x/x

Remarks:  
Australia: (1) Respirable fraction  
Canada – Ontario (1) Respirable aerosol  
Canada – Québec (1) Respirable fraction  
Denmark: (1) Inhalable fraction (2) Respirable fraction (3) 15 minutes average value  
Ireland: (1) Respirable fraction  
New Zealand: (1) Respirable aerosol  
Norway: (1) Total dust (2) Respirable fraction  
Poland: (1) Respirable fraction  
South Korea: (1) Respirable fraction

Spain: (1) Respirable fraction  
Sweden: (1) Respirable dust  
USA – OSHA: (1) Respirable fraction

Perlite has not been separately classified by the Occupational Safety and Health Administration (OSHA). 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). However, the product contains crystalline silica in the form of quartz powder below 0.05%.

**Cellulosa:**

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 (1) (2)

France: x/10 inhalable aerosol

Ireland: x/10(1)

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

South Africa: x/10

South Africa Mining: x/10 (1); x/5 (2)

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>)

United Kingdom: x/20 inhalable aerosol

South Africa Mining: x/20 (1)(3)

**Remarks:**

Australia: (1) This value corresponds to inhalable dust that does not contain asbestos and whose percentage of silica crystalline silica is less than 1%.

Canada - Quebec: (1) Total dust (2) This standard corresponds to dust which does not contain asbestos and whose percentage of crystalline silica is less than 1%.

Ireland: (1) Inhalable fraction.

New Zealand: (1) The value corresponds to inhalable dust that does not contain asbestos and whose percentage of free silica is less than 1%.

South Africa Mining: (1) Inhalable fraction (2) Respirable fraction (3) Average value over 15 minutes.

USA - NIOSH: (1) Inhalable fraction (2) Respirable fraction.

USA - OSHA: (1) Inhalable fraction (2) Breathable fraction.

## 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

Wear safety glasses (EN 166) when handling the pure product.

(b) Skin protection

(i) Hand protection

Not required for normal use, unless indicated by the occupational risk prevention officer professional and/or the environmental hygienist's assessment. assessment of the environmental hygienist's analysis

(ii) Other

Wear normal work clothing.

(c) Respiratory protection

During manual operations, in the event of insufficient ventilation, use a dust mask with filter - type P3 (EN 143), unless otherwise specified by the occupational risk prevention officer or assessment analysis by the environmental hygienist. analysis by the environmental hygienist.

(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	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	
Melting point/freezing point	not determined as it is considered not relevant for the characterization of the product	
Boiling point or initial boiling point and boiling range	not determined as it is considered not relevant for the characterization of the product	
Flammability	not determined as it is considered not relevant for the characterization of the product	
Lower and upper explosion limit	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
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	
pH	7,0 ± 0,1 (20°C; sol.10%)	
Kinematic viscosity	not determined as it is considered not relevant for the characterization of the product	
Solubility	not determined as it is considered not relevant for the characterization of the product	



<b>Physical and chemical properties</b>	<b>Value</b>	<b>Determination method</b>
Water solubility	not determined as it is considered not relevant for the characterization of the product	
Partition coefficient n-octanol/water (log value)	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	
Density and/or relative density	0.14 ± 0.02 (20°C)	
Relative vapour density	not determined as it is considered not relevant for the characterization of the product	
Particle characteristics	not determined as it is considered not relevant for the characterization of the product	

## 9.2. Other information

### 9.2.1 Information with regard to physical hazard classes

No data available.

### 9.2.2 Other safety characteristics

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 gas: 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-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: PERLITE: Not corrosive

Cellulose: Non-corrosive

PERLITE: Not irritating

Cellulose: Non-irritating

(c) serious eye damage/irritation: PERLITE: Not corrosive

Cellulose: Non-corrosive

PERLITE: Not irritating

Cellulose: Non-irritating

(d) respiratory or skin sensitisation: PERLITE: There is no classification of respiratory or skin sensitivity.

Cellulose: Non-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 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 can degrease and irritate the skin, in some cases causing dermatitis. Ingestion: Ingested product may cause irritation of the mucous membranes of the throat and digestive system with consequent abnormal digestive symptoms and intestinal disturbances. Inhalation: Prolonged exposure to vapors or mists of the product can cause irritation to the respiratory tract.

=====  
Related to contained substances:  
PERLITE:

Health Risks Eye Exposure: Accidental contact of the product with the eyes may cause irritation. Skin exposure: the product is not irritating. Repeated and prolonged direct contact can dry and irritate the skin, causing dermatitis in some cases. Ingestion: ingestion of the product may cause irritation of the mucous membranes of the throat and digestive system, resulting in abnormal digestive symptoms and intestinal disorders. Inhalation: Prolonged exposure to vapors or mists from the product may cause irritation of the airways

**11.2. Information on other hazards**

Perlite does not exceed the criteria for being considered hazardous according to EC Regulation 1272/2008 and amending Directive 67/548/EC.

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

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**

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 in a proportion  $\geq 0.1\%$ .  
Substances subject to authorisation (Ann. XIV Reg. CEC 1907/2006): the product does not contain SVHC in a proportion  $\geq 0.1\%$ .

Reg. EC 648/04: see 2.2

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 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.

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.

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

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>

This msds was made in good faith by technical Office on the basis of the information available at the date of the last revision. The person in charge must regularly inform the employees about the specific risks they encounter when using this substance/product. The information contained here relate only to the substance/the preparation indicated and may not apply if the product is used improperly or in combination with others. Nothing contained herein shall be construed as a guarantee, either express or implied. It is the responsibility of the user to ensure the opportunities and completeness of the information contained herein for their own particular use.

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

Changes to the previous edition: compliance with Regulation 2020/878.

---