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

1.1. Product identifier

Product name : SPINDACEL N
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
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E-mail: info@aeb-group.com - Internet: www.aeb-group.com
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Produced by
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08755 Castellbisbal (Barcelona)

1.4. Emergency telephone number

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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. In accordance with current regulations on the specific matter.

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

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	>= 5 < 10%			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 thorougly 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, CO2, 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:
Avoiding dust formation

Ensure adequate ventilation.
Avoid inhaling dust.
Eliminate all open flames and possible sources of ignition. Do not smoke.
Ensure 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 odours.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

==========
Related to contained substances:
Perlite: Powder (n°CAS 93763-70-3)
Limit value - Eight hours
(ppm)/(mg/m3)
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/m3)
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) Repirable 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/m³)
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/m³)
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/m³)
Australia: x/10(1)
Belgio: x/10
Canada – Ontario: x/10
Canada - Québec: x/10 (1) (2)
France: x/10 inhalable aerosol
Irelend: 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/m³)
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 considered not relevant for the characterization of the product	
Odour threshold	not determined as considered not relevant for the characterization of the product	
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	7.0 ± 1.0 (20ºC; sol.10%)	
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	0,10 - 0,15 (20ºC)	
Relative vapour density	not determined as considered not relevant for the characterization of the product	

Physical and chemical properties	Value	Determination method
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

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) skincorrosion/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) respiratoryorskinsensitisation: 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) eproductivetoxicity: 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 exposurePERLITE: 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 to be considered as hazardous according to EC Regulation 1272/2008 and amending Directive 67/548/EC.
The 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 ≥ 0.1%.
Substances subject to authorisation (Ann. XIV Reg. CEC 1907/2006): the product does not contain SVHC in a proportion ≥ 0.1%.
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 europèen relative au transport International des merchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
ATE: Acute Toxicity Estimat
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 concernent le transport International ferroviaire des merchandises 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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*** this tab annuls and replaces any previous edition. (IIXX)

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