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

1.1. Product identifier

Product name : MICROCEL AF
Contains synthetic polymer microplastics (SPM)
Product code: refer to sales department

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

Clarifying Agents
Sectors of use:
Manufacture of food products[SU4]
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

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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.

Contains:

Ingredients: activated bentonite, cellulose, PVPP.
Food use, oenological use. Not intended for the final consumer. In accordance with current regulations on the specific matter.

2.3. Other hazards

Based on available data, there are no PBT or vPvB substances according to Regulation (EC) 1907/2006, Annex XIII.

Based on available data, there are no substances that disrupt the endocrine system according to Regulation (EU) 2017/2100 and Regulation (EU) 2018/605.

Use according to good working practices, avoiding dispersion of the product in the environment.

SECTION 3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Irrilevant

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACh
Bentonite substance for which there are Community workplace exposure limits	>= 50 < 100%			1302-78-9	215-108-5	
Cellulose substance for which there are Community workplace exposure limits	>= 25 < 50%			9004-34-6	232-674-9	Exempt, polymer

SECTION 4. First aid measures

4.1. Description of first aid measures

General information: Do not abandon the victim without assistance.

If inhaled: If unconscious, place the victim on their side in a stable position and seek medical advice. If symptoms persist, seek medical advice.

If on skin: Wash with soap and plenty of water.

If in eyes: Remove contact lenses. Protect the uninjured eye. If eye irritation persists, seek medical advice.

If swallowed: Keep the respiratory tract clean. Do not give milk or alcoholic beverages. Dnot give anything to an unconscious person. If symptoms persist, seek medical advice.

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

No data available

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

Symptomatic treatment

SECTION 5. Firefighting measures

5.1. Extinguishing media

Recommended extinguishing media:
Water spray, CO2, foam, or dry chemical depending on the materials involved in the fire.

Avoid extinguishing media: Water jets.
Use water jets only to cool the surfaces of containers exposed to the fire.

5.2. Special hazards arising from the substance or mixture

No data available.
Hazardous combustion products: CO2, carbon monoxide, nitrogen oxides (NOx).

5.3. Advice for firefighters

Special protective equipment for firefighters: In case of fire, wear self-contained breathing apparatus.

Specific extinguishing methods: Standard procedure for chemical fires. Further information: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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.

Privide 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

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:

Large spills: Stop the flow of material, if without risk. Dike the spilled material where possible. Absorb in vermiculite, dry sand, or earth and place in containers. After product recovery, rinse the area with water.

Small spills: Clean up with absorbent material (e.g. cloth). Thoroughly clean the surface to remove residual contamination. Never return spills to the original containers for reuse. Sweep up or vacuum the spill and collect in a suitable container for disposal.

For waste disposal, see section 13 of the SDS.

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 with eyes and skin.
Handle the product after consulting all other sections of this safety data sheet.
Ensure adequate ventilation.
The products supplied are intended for industrial use only.
Observe good industrial hygiene practices.
During handling, avoid spillage as it is harmful to the environment.
The product must not be released into the environment – it must not be discharged into drains, watercourses or the soil.
Wash thoroughly after use.
Please refer to the regulations in force.

Measures in case of accidental release
In case of accidental release, prevent the product from entering drains, watercourses or water supplies.

Personal precautions
Keep unnecessary personnel away. Keep people away and upwind of the spill/leak.
Wear appropriate protective equipment and clothing during clean-up.
Notify local authorities if significant spills cannot be contained.

Environmental precautions
Avoid discharge into drains, waterways or the ground.

Containment methods
Stop the flow of material if this can be done without risk.

Clean-up methods
Ventilate the contaminated area. Wear appropriate protective equipment and clothing during clean-up.
Stop the flow of material if this can be done without risk. Collect with a broom or vacuum cleaner and place in suitable containers for disposal. Never return spilled material to the original containers for reuse.
After recovering the product, wash the area with water.
Have the material disposed of by authorised companies.

We recommend consulting AEB's sales department and any technical documents.
In particular, we highlight the following useful and necessary information:
- The importance of packaging
- Minimising on-site storage prior to use/shelf life
- Correct storage conditions
- Thorough testing of the initial quality of the product

AEB spa guarantees that the product, if transported and stored correctly on site and used in accordance with the instructions provided, complies with food contact regulations.

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:
store in a cool and dry place, away from
direct sunlight and heat. Batch Number (BN) and Best before date (EXP): See Barcode.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

==========
Related to contained substances:
Bentonite:
INHALABLE, DUST

Limit value – Eight hours
(ppm)/(mg/m3)
Austria: x/10
Belgium: x/10
Denmark: x/10
France: x/10
Germany (AGS): x/10(1)(2)(3)
Germany (DFG): x/4
Hungary: x/10
Ireland: x/10
Singapore: x/10
Spain: x/10
Sweden: x/10

Switzerland: x/10
USA – OSHA: x/15

RESPIRABLE DUST

Limit value – Eight hours
Austria: x/5
Belgium: x/3
France: x/5 respirable aerosol
Germany (AGS): x/1,25 (1)(2)(3)(4)(5)
Germany (DFG): x/1,5
Hungary: x/6
Ireland: x/4
Spain: x/3
Sweden: x/5
Switzerland: x/3
USA – OSHA: x/5

Remarks
INHALABLE DUST
Germany (AGS): (1) Insoluble particulates (2) not applicable for ultra – fine dusts and dusts with specific toxicity (3) the limit value is a general upper limit for technical measures, as long as no specific regulations for toxic or carcinogenic substance arew available
RESPIRABLE DUST
France: Bold type: Restrictive statutory limit values
Germany (AGS): (1) Insoluble particulates (2) not applicable for ultra – fine dusts and dusts with specific toxicity (3) the limit value is a general upper limit for technical measures, as long as no specific regulations for toxic or carcinogenic substances are available (4) the limit value was derived for dusts with an average density of 2.5 mg/mg3 (5) at work areas where all technical and further measures are state of the art but the LV is still not adhered, the old LV can be applied for a transitional period until 31st December 2018 (8 h – LV: 3.0 mg/m3, 15 minutes average value: 6.0 mg/m3
Germany (DFG): Insoluble particulate

The ACGIH believes that even biologically inert, insoluble or poorly soluble particles can have adverse effects and, therefore, recommends that the concentration of such dust in the air be kept below: 3mg/m3, for respirable particles; 10mg/m3, for inhalable particles, at which time a TLV will be established for the particular substance.

Cellulose:
Limit value - Eight hours
(ppm)/(mg/m³)

Australia: x/10(1)
Belgio: x/10
Canada – Ontario: x/10
Canada - Québec: x/10
France: x/10 inhalable aerosol
Irelend: 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/m³)

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

Remarks:
Australia: (1) This value is for inhalable dust containing no asbestos an <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:
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 necessary for normal use, unless otherwise specified by the employer and/or based on environmental health assessments.

(b) Skin protection

(i) Hand protection
Not necessary for normal use, unless otherwise specified by the employer and/or based on environmental health assessments.

(ii) Other
Wear normal work clothing.

(c) Respiratory protection
Not necessary for normal use, unless otherwise specified by the employer and/or based on environmental health assessments.

(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	Fine powder	

Physical and chemical properties	Value	Determination method
Colour	light beige	
Odour	odorless	
Odour threshold	not determined as 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	
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	10,0 ± 0,5 (20 °C; Sol. 5 %)	
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	
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	0,40 ± 0,05 (20 °C)	
Relative vapour density	not determined as it is considered not relevant for the characterization of the product	
Particle characteristics	Contains synthetic polymer microplastics (SPM)	

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

==========
Related to contained substances:
Bentonite:
None under normal conditions.

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

Protect from frost, heat, sunlight and moisture

10.5. Incompatible materials

Oxidizing agents

10.6. Hazardous decomposition products

Carbon monoxide
Carbon dioxide (CO_2)
Nitrogen oxides (NOx)

SECTION 11. Toxicological information

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

(a) acute toxicity: based on available data the classification criteria are not met
ATE(mix) oral = Not classified (no relevant component)
ATE(mix) dermal = Not classified (no relevant component)
ATE(mix) inhal = Not classified (no relevant component)

(b) skin corrosion/dermal irritation: based on available data the classification criteria are not met

(c) severe eye damage/eye 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.

Related to contained substances:

(a) acute toxicity:
Bentonite:
Ingestion - LD50 rat (mg / kg / 24h bw): na
Skin contact - LC50 rat / rabbit (mg / kg / 24h bw): na
Inhalation - LD50 rat (mg / l / 4h): na

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:
Cellulose: Non-corrosive
Bentonite: Non-corrosive
Cellulose: Non-irritating
Bentonite: Non-irritating

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

(d) respiratoryorskinsensitisation:
Cellulose: Non-Sensitizing
Bentonite: Non-Sensitizing

(e) germ cell mutagenicity:
Cellulose: Not available
Bentonite: Not available

(f) carcinogenicity:
Cellulose: Not available
Bentonite: Not available

(g) eproductivetoxicity:
Cellulose: Not available
Bentonite: Not available

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

(i) specific target organ toxicity (STOT) repeated exposure
Cellulose: Not available
Bentonite: Not available

(j) aspiration hazard:
Cellulose: Not available
Bentonite: Not available

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

==========
Related to contained substances:
Bentonite:
Acute toxicity - fish LC50 (mg / l / 96h): na
Acute toxicity - crustaceans EC50 (mg / l / 48h): na
Acute algae toxicity ErC50 (mg / l / 72-96h): na
Chronic toxicity - fish NOEC (mg / l): nd
Chronic toxicity - NOEC crustaceans (mg / l): nd
Chronic toxicity NOEC algae (mg / l): nd

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

12.2. Persistence and degradability

==========
Related to contained substances:
Bentonite:
Not available

Cellulose:
Not persistent

12.3. Bioaccumulative potential

==========
Related to contained substances:
Bentonite:
Not available

Cellulose:
There is no evidence of bioaccumulation potential.

12.4. Mobility in soil

==========
Related to contained substances:
Bentonite:
Not available

Cellulose:
Not available

12.5. Results of PBT and vPvB assessment

This substance/mixture does not contain any components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at concentrations > 0.1%

12.6. Endocrine disrupting properties

Based on available data, there are no substances that disrupt the endocrine system according to Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 at concentrations > 0.1%.

12.7. Other adverse effects

Contains SPM: Synthetic polymer microparticles for use at industrial sites - Annex XVII, entry 78 - derogation 4a

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Unused product residues must be considered non-hazardous special waste. Disposal must be carried out by a company authorised to manage waste, in accordance with national and local regulations. Solid residues may be suitable for disposal in authorised landfills.

Contaminated packaging
Contaminated packaging must be recovered or disposed of in accordance with national waste management regulations. Prevent spilled material from entering sewer systems, waterways or water supplies. Both product residues and uncleaned empty packaging must be labelled, sealed and sent for disposal by incineration, landfill or recycling in accordance with local, regional and national regulations. For disposal within the EU, it is the user's responsibility to assign the appropriate code to the waste in accordance with the European Waste List (EWL, formerly EWC), based on the application for which the product was used.

Uncontaminated packaging
Empty, clean containers can be taken to an authorised waste treatment site for recycling or disposal.

Special precautions
Both products and packaging must be disposed of safely and in accordance with relevant local and national regulations. Empty containers or linings may retain product residues: prevent spilled material from entering sewer systems, waterways or water supplies.

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 the substances it contains (Annex XVII of EC Regulation 1907/2006):
list no. 78: the synthetic polymer microparticles supplied are subject to the conditions set out in Annex XVII, item 78, by way of derogation from Paragraph 4a of Regulation (EC) No. 1907/2006 of the European Parliament and of the Council (Reg. (EU) 2023/2055).
Polyvinylpolypyrrolidone (Synthetic polymer microparticle (SPM)) in concentration 7-9% w/w
HS Code:3905 Polymers of vinyl acetate or of other vinyl esters; other vinyl polymers.

Substances in the Candidate List (art. 59 of EC Regulation 1907/2006): the product does not contain SVHC in a percentage = 0.1%.
Regulation (EU) No. 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: not applicable
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances: not applicable.

Regulation (EU) 1169/2011: see point 2.2
Regulation (EU) 1308/2013: 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

Points modified compared to previous release: 1.1. Product identifier, 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 4.1. Description of first aid measures, 4.2. Most important symptoms and effects, both acute and delayed, 4.3. Indication of any immediate medical attention and special treatment needed, 5.1. Extinguishing media, 5.2. Special hazards arising from the substance or mixture, 5.3. Advice for firefighters, 6.3. Methods and material for containment and cleaning up, 7.1. Precautions for safe handling, 7.3. Specific end use(s), 8.2. Exposure controls, 9.1. Information on basic physical and chemical properties, 9.2. Other information, 10.2. Chemical stability, 10.3. Possibility of hazardous reactions, 10.4. Conditions to avoid, 10.5. Incompatible materials, 10.6. Hazardous decomposition products, 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008, 11.2. Information on other hazards, 12.5. Results of PBT and vPvB assessment, 12.6. Endocrine disrupting properties, 12.7. Other adverse effects, 13.1. Waste treatment methods, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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 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 raw material supplier

- 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: drafted in accordance with the information required by Regulation 2023/2055.