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

1.1. Product identifier

Product name : AROMAX B4
Product code: refer to sales department

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

Specific Treatment
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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Produced by
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1.4. Emergency telephone number

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AEB USA
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AEB AFRICA (PTY) LTD
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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:
GHS05

Hazard Class and Category Code(s):
Eye Dam. 1

Hazard statement Code(s):
H318 - Causes serious eye damage.

If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):
GHS05 - Danger

Hazard statement Code(s):
H318 - Causes serious eye damage.

Supplemental Hazard statement Code(s):
EUH031 - Contact with acids liberates toxic gas (SO2)

Precautionary statements:
Prevention
P280 - Wear eye/face protection.
Response
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or a doctor.

Contains:
Potassium metabisulfite

Ingredients: cellulose 50%, perlite, L-Ascorbic acid 10%, potassium metabisulfite(a) 9,86% (100 g/hL bring about 56,8 mg/L of SO2).
Food use, oenological use. Not intended for the final consumer. In accordance with current regulations on the specific matter. Only for industrial use.

(a)=sulfites
(<Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre expressed as SO2>in compliance with Regulation (EU) No 1169/2011 - Annex II and subsequent additions and modifications)

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

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACh
Cellulose substance for which there are Community workplace exposure limits	>= 50 < 100%			9004-34-6	232-674-9	
PERLITE substance for which there are Community workplace exposure limits	>= 25 < 50%			93763-70-3		
Potassium metabisulfite	>= 5 < 10%	EUH031; Eye Dam. 1, H318		16731-55-8	240-795-3	01-2119537422-45-XXXX

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, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately
Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

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

No data available.

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

Immediately call a POISON CENTER or a doctor.

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 mask, 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:
Rapidly recover the product, wear a mask and protective clothing (for specifications refer to section 8.2. SDS)
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

Wear eye/face protection.
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, ventilated area away from heat and direct sunlight.
Keep container tightly closed.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

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

PERLITE:
PERLITE
Crystalline silica
Limit value - Eight hours
(ppm)/(mg/m³)
Australia: x/0,1 (1)
Belgio: x/0,05
Canada – Ontario: x/0,05 (1)
South Korea: x/0,05 (respirable dust)
Dinamarca: x/0,15
Spain: x/0,05 (1)
France: x/0,05 (respirable aerosol)
The Netherlands: x/0,075 (respirable dust)
Hungary: x/0,15 (respirable aerosol)
Ireland: x/0,1 (1)
New Zealand: x/0,1 (1)
Singapore: x/0,05 (respirable aerosol)
Sweden: x/0,05 (1)
Switzerland: x/0,15 (respirable aerosol) MAK
USA – NIOSH: x/0,05
USA – OSHA: x/0,5 (30/(% silica+2))

Limit value - Short term
(ppm)/(mg/m³)

Australia: x/x
Belgio: x/x
Canada – Ontario: x/x
South Korea: x/x

Denmark: x/0,3
Spain: x/x
France: x/x
The Netherlands: x/x
Hungary: x/x
Ireland: x/x
New Zealand: x/x
Singapore: x/x
Sweden: x/x
Switzerland: x/x
USA – NIOSH: x/x
USA – OSHA: x/x

Note
Australia: (1) respirable dust
Canada – Ontario: (1) respirable aerosol
Spain: (1) respirable fraction (INSHT 2018).
Francia: Negrita: Regulatory restrictive limit values.
Irlanda: (1) respirable fraction
Nueva Zelanda: (1) respirable aerosol
Suecia: (1) respirable dust

Perlite
Dust
Limit value - Eight hours
(ppm)/(mg/m³)

Australia: x/10(1)
Austria: x/5 inhalable aerosol
Belgio: x/10
Canada - Ontario: x/10 (1)
Canada - Quebec: x/10 (total) - 5 (respirable fraction)
South Korea: x/10
Latvia: x/4 (1)
People's Republic of China: x/8 (1) - 4 (2)
Singapore: x/10
USA - NIOSH: x/10 total dust- 5 respirable.

Limit value - Short term
(ppm)/(mg/m³)

Australia: x/x
Austria: x/10 inhalable aerosol
Belgio: 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

Note:
Australia: (1) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
Canadá - Ontario: (1) This value is for inhalable dust containing no 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). No However,

the product contains crystalline silica in the form of quartz powder below 0.1%. In 2011 the Agency International Cancer Research Agency (IARC) concluded that crystalline silica in the form of quartz powder or cristobalite is carcinogenic to humans (Group 1).

Potassium metabisulfite:
ACGIH - STEL: 0.25 ppm - Notes: (SO2) UE - TWA: 0.5 ppm - STEL: 1 ppm - Notes: (SO2)

Sulfur dioxide:
8h * = 1.3mg / m3, 0.5ppm
Short term ** = 2.7mg / m3, 1ppm

* Measured or calculated over a reference period of eight hours, as a weighted average
** Short term exposure level. Limit value above which the exposure should not occur and which refers to a period of 15 minutes, unless otherwise indicated.

- Substance: Potassium metabisulfite
DNEL
Systemic effects Long term Workers inhalation = 263 (mg/m3)
Local effects Long term Consumers oral = 10 (mg/kg bw/day)
Local effects Long term Consumers inhalation = 78 (mg/m3)
PNEC
Sweet water = 1,17 (mg/l)
Sea water = 0,12 (mg/l)
STP = 88,1 (mg/l)

- Substance: Perlite: CRYSTALINE SILICA
DNEL
Systemic effects Long term Workers Inhalation = 0.05 (mg / m3)
Systemic effects Long term Consumers Inhalation = 0.05 (mg / m3)
Systemic effects Long term Consumers Oral = 18.7 (mg / kg bw / day)
PNEC
STP = 100 (mg / l)

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 use safety glasses (EN 166).

(b) Skin protection

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

(ii) Other
Wear normal work clothing.

(c) Respiratory protection
Not needed for normal use, unless otherwise provided by the employer and / or by assessments of environmental

hygiene investigations

(d) Thermal hazards
No hazard to report

Environmental exposure controls:
Use according to good working practices and avoid to disperse the product into the environment.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	fine 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	não determinado por ser considerado irrelevante para a caracterização do produto	
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	0,12 ± 0,05 (20 ° C)	
Solubility	in water	
Water solubility	miscible in all proportions	
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	

Physical and chemical properties	Value	Determination method

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

None to report

10.5. Incompatible materials

Acids, oxidants, $NaNO_2$, $NaNO_3$

10.6. Hazardous decomposition products

sulfur dioxide

SECTION 11. Toxicological information

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

ATE(mix) oral = ∞
ATE(mix) dermal = ∞
ATE(mix) inhal = ∞

(a) acute toxicity: 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
PERLITE: Non toxic
Potassium metabisulfite: Ingestion-rat LD50 (mg/kg/bw 24h): > 2000

Skin contact-LC50 rat/coniglio (mg/kg/bw 24h): > 2000

Inhalation-rat LD50 (mg/l/4h): > 5.5
(b) skincorrosion/irritation: Cellulose: Non-corrosive
PERLITE: Not corrosive
Potassium metabisulfite: Non-corrosive
Cellulose: Non-irritating
PERLITE: Not irritating
Potassium metabisulfite: Non-irritating
(c) serious eye damage/irritation: If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.
Cellulose: Non-corrosive
PERLITE: Not corrosive
Potassium metabisulfite: Corrosive
Cellulose: Non-irritating
PERLITE: Not irritating
Potassium metabisulfite: Irritating
(d) respiratoryorskinsensitisation: Cellulose: Non-Sensitizing
PERLITE: There is no classification of respiratory or skin sensitivity.
Potassium metabisulfite: non-sensitizing
(e) germ cell mutagenicity: Cellulose: Not available
PERLITE: Based on available data, the classification criteria are not met.
Potassium metabisulfite: non-mutagenic
(f) carcinogenicity: Cellulose: Not available
PERLITE: Based on available data, the classification criteria are not met.
Potassium metabisulfite: non-carcinogenic
(g) eproductivetoxicity: Cellulose: Not available
PERLITE: Based on available data, the classification criteria are not met.
Potassium metabisulfite: non-toxic for reproduction
(h) specific target organ toxicity (STOT) single exposure: Cellulose: Not available
PERLITE: Based on available data, the classification criteria are not met.
Potassium metabisulfite: not available
(i) specific target organ toxicity (STOT) repeated exposureCellulose: Not available
PERLITE: Based on available data, the classification criteria are not met.
Potassium metabisulfite: not available
(j) aspiration hazard: Cellulose: Not available
PERLITE: Based on available data, the classification criteria are not met.
Potassium metabisulfite: not available

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

No data available.

SECTION 12. Ecological information

12.1. Toxicity

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

PERLITE:
Not ecotoxic

Potassium metabisulfite:
Acute toxicity-fish LC50 (mg/l/83d): 464-1000
Acute toxicity-crustacea EC50 (mg/l/48 h): 89
Acute algae toxicity ErC50 (mg/l/72-69): 43.8

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

12.2. Persistence and degradability

==========
Related to contained substances:
Cellulose:
Not persistent

PERLITE:
Not relevant for inorganic substance

Potassium metabisulfite:
not available

12.3. Bioaccumulative potential

==========
Related to contained substances:
Cellulose:
There is no evidence of bioaccumulation potential.

PERLITE:
Not relevant for inorganic substance

Potassium metabisulfite:
not available

12.4. Mobility in soil

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

PERLITE:
Not significant

Potassium metabisulfite:
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

Points modified compared to previous release: 1.1. Product identifier, 2.2. Label elements, 8.1. Control parameters, 8.2. Exposure controls, 9.1. Information on basic physical and chemical properties.

Description of hazard statements set out in paragraph 3
H318 = Causes serious eye damage.

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): calculation method.

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.