

MATERIAL SAFETY DATA SHEET: CONSORTIUM

DATE OF COMPLETION: 06/10/22 VERSION3

This safety data sheet has been prepared in accordance with Regulations (EC) of the European Parliament Council No 1272/2008 and Commission Regulation (EU) No 453/2010.



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: Consortium (AF Consortium/AF Bacillus Consortium)

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

Product Use: As a foliar/soil spray/drench.

Uses advised against: All uses not specified in this section or in section 7.3. Not for oral consumption. Not for direct contact with Food or Beverages.

1.3 Details of the supplier of the safety data sheet:

AIVA LTD (Aiva Fertiliser)

The Old Farm Offices, Manor Farm, Ginge, Oxfordshire UNITED KINGDOM OX12 8QS

Tel: +44 (0) 1235 834 997 (option 2)

Email: office@aivafertiliser.co.uk

www.aivafertiliser.co.uk

1.4 Emergency telephone number:

Emergency phone no. 01235 834 997

Contact: Call 111

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification according to 1272/2008 CLP

Classification (EC No 1272/2008).

2.1 Label elements 1272/2008

Hazard statements:

H335 May cause respiratory irritation if inhaled.

Precautionary statements:

Prevention:

P261: Avoid breathing spray

P271 Use only outdoors in well ventilated area

Response:

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312 Call a POSITION CENTER or doctor/physician if you feel unwell

Disposal:

P501 Dispose of contents/container in accordance with local regulations

Hazard pictograms:



Signal word:

Warning

2.3 Other hazards:

Criteria PBT/vPvB:

The mixture does not fulfil the criteria for PBT or vPvB substance. The preparation contains microorganisms belonging to hazard group 1 as defined by the Advisory Committee on Dangerous Pathogens (ACDP) as unlikely to cause human disease. However, it should not be assumed that infection can never occur. People who are immunocompromised should not work with this product.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3. Substance:

Bacillus + Paenibacillus spp. in an aqueous carrier: conforming to EC EFB Class 1 (commonly occurring saprophytes never shown to be a causal agent in human illness). 100%

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Following aspiration/inhalation: Move affected person to fresh air; keep person quiet and warm; in case of respiratory failure, administer artificial respiration and seek medical attention.

Following skin contact: Wash affected areas with plenty of water.

Following eye contact: Remove contact lenses, if present and easy to do. Rinse eyes with water for at least 15 minutes while holding eyelids apart.

After ingestion: Rinse mouth with water, drink plenty of water. Do not induce vomiting.

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

Sensitive individuals may experience breathing difficulties

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

Follow advice in 4.1

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Any extinguishing media may be used but should be appropriate to the cause of the fire and surrounding area.

Unsuitable extinguishing media: Not applicable.

5.2 Special hazards arising from the mixture: None.

Specific Hazards: The product is not combustible.

5.3 Advice for fire fighters:

Fire-fighters should be equipped with breathing apparatus appropriate to environmental conditions and wear protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures.

6.1.1 Avoid aerosol formation. Avoid contact with eyes and skin. Do not breathe aerosol. Wear suitable protective clothing (overalls), gloves, mask & goggles if risk of working in spray/aerosol.

6.1.2 Emergency personnel: see 6.1.1

6.2 Environmental Precautions: No special precautions

6.3 Methods and material for containment and cleaning up:

6.3.1 Containment: no special precautions

6.3.2 Clean-up: Avoid aerosol formation. Apply absorbent then collect in suitable labelled containers for waste. Rinse contaminated area with water afterwards.

6.3.3 Other information relating to spills and releases: Not applicable

6.4 Reference to other sections:

Personal protective means are given in section 8. Disposal advice is given in section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Read label before use. Avoid creating dust. Wash hands after working with product. Do not smoke, eat or drink when handling product. Employees should wear protective work clothing, shoes and gloves. Wear additional mask and goggles if creating dust. Follow manufacturer's recommendations.

7.2 Conditions for safe storage, including any incompatibilities:

Keep in original container. Store in a cool well-ventilated place. Keep container tightly closed. Store in demarcated/ bunded area to prevent release to drains and/or water courses.

7.3 Specific End Use:

Refer to product information sheet for full use and application details.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Contains no substances with occupational exposure limit values.

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8.2 Exposure controls:

8.2.1 Appropriate Engineering Controls: Work in a well - ventilated area. Avoid eating, drinking and smoking. Wash hands after use.

8.2.2 Individual Protection Measures, such as personal protective equipment:

a) Eye/face protection: Safety glasses .

b) Skin protection:

Hand protection: Rubber gloves

Other: Protective clothing (overalls) and shoes

c) Respiratory protection: Mask to prevent spray inhalation

d) Thermal hazards: Not applicable

8.2.3 Environmental exposure controls: Not applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

a)	Appearance:	Cloudy tan liquid
b)	Odour:	none
c)	Odour threshold	not applicable
d)	pH:	6.5-7.5
e)	Melting point/freezing point:	not applicable
f)	Boiling point:	not applicable
g)	Flash point:	not applicable
h)	Evaporation rate:	not applicable
i)	Flammability:	not applicable
j)	Explosive limits:	not applicable
k)	Vapour pressure:	not applicable
l)	Vapour density:	not applicable
m)	Relative density:	0.95-1.05 g/cm ³
n)	solubility in water:	100%
o)	partition coefficient:	not applicable
p)	auto-ignition temperature:	not applicable
q)	decomposition temperature:	not applicable
r)	viscosity:	not applicable
s)	explosive properties:	not applicable
t)	oxidising properties:	not applicable

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Beware of following conditions: Extremes of Temperature.

Beware of following materials: Biocides.

10.2 Chemical stability: Not available

10.3 Possibility of hazardous reactions: Not available.

10.4 Conditions to avoid: Do not expose the mixture to humidity and extremes of temperatures.

10.5 Incompatible Materials: Any material with biocidal properties.

10.6. Hazardous decomposition products: Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Mixture:

a)	Acute toxicity:	non-toxic
b)	Irritation:	not an irritant
c)	Corrosivity:	non-corrosive
d)	Sensitisation:	may cause sensitisation in certain susceptible individuals.
e)	Repeated dose toxicity:	non-toxic
f)	Carcinogenicity:	non-carcinogenic

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- g) Mutagenicity: non-mutagenic
h) Toxicity for reproduction: non-toxic

Information on likely routes of exposure:

Inhalation: May cause sensitisation in some susceptible individuals.

Skin: Not absorbed through skin.

Eyes: Aerosol may cause irritation (surfactant).

Ingestion: Unlikely to be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics:

If spray inhaled, may cause irritation (shortness of breath).

Delayed and immediate effects and chronic effects from short and long term exposure:

If spray inhaled, may cause irritation (shortness of breath)

Interactive Effects: Not available

Absence of data: If information is not listed in section 11 it is due to non - availability of data or not appropriate.

Other Information: Not applicable.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity:** Not determined.
12.2.Persistence and degradability: The bacteria are naturally present on the environment.
12.3.Bioaccumulative potential: Not expected to accumulate.
12.4 Mobility in soil: Not determined.
12.5 Result of PBT and vPvB assessment: Bacteria are not classified as PBT or vPvB substances.
12.6 Other adverse effects: Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods.**
Product: Use licensed waste disposal company.
Contaminated packaging: Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

- 14.1 UN Number:**
ADR/RID: IMDG: IATA:
14.2 UN proper shipping name:
ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods
14.3 Transport hazard class(es):
ADR/RID: IMDG: IATA:
14.4 Packaging Group:
ADR/RID: IMDG: IATA:
14.5 Environmental hazards:
ADR/RID: No IMDG: Marine pollutant: No IATA: No
14.6 Special precautions for user: No
14.7 Transport in bulk according to Annex II MARPOL 73/78 and the IBC code: Not regulated

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation, specific for the mixture: None

15.2 Chemical Safety Assessment: No data available

The preparation is exempt from REACH requirements as the preparation contains biological material and is not a substance.

SECTION 16: OTHER INFORMATION

This safety data sheet has been prepared in accordance with Regulations (EC) of the European Parliament Council No 1272/2008 and Commission Regulation (EU) No 453/2010.

The above information is based on present knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification of quality of the product. The users must satisfy themselves that the product is entirely suitable for the purpose.

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.