

## Consortium-BA - Safety Data Sheet

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier/Trade name:** Consortium-BA

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

**Product Use:** As a foliar/soil spray/drench. Not for oral consumption. Not for direct contact with Food or Beverages.

**1.3 Details of the supplier of the safety data sheet**

Registered Office: Emerald Research Limited, Midway House, Herrick Way, Staverton, Cheltenham, Glos. GL51 6TQ  
[office@emeraldresearchltd.com](mailto:office@emeraldresearchltd.com)

**1.4 Emergency telephone number:** 01242 506206 (Office hours only Monday to Friday 08.30-17.00)

### SECTION 2. HAZARDS IDENTIFICATION

**2.1 Classification according to 1272/2008 CLP:** Not classified

**2.2 Label elements 1272/2008 CLP:**

**Hazard pictograms:** None

**Signal word:** None

**Hazard statements:** Product is non-toxic by ingestion, skin contact, or inhalation. Direct contact with eyes or skin may cause mild irritation.

**Precautionary statements:**

**Prevention:**

**P101 – If medical advice is needed, have product container or label at hand.**

**P270 Do not eat, drink or smoke when using this product.**

**P280 Wear protective gloves/protective clothing/eye protection/face protection.**

**Response:**

**P301 + P330 + P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.**

**P303 + P361 + P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].**

**P304 + P313 + P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.**

**P305 + P313 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.**

**P332 + P313 – If skin irritation occurs: Get medical advice/attention.** **Other hazards:** 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.

**P332 + P313 – If skin irritation occurs: Get medical advice/attention.**

**Disposal:**

**P501** Dispose of through a reputable waste disposal contractor.

**Additional labelling:**

Not applicable

**Hazard pictograms:**

Not applicable

**Signal word:**

Non-hazardous

**Other hazards:**

No data available (see section 12)

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1/2 Substance/Mixture:**

CAS/EC-nr.	REACH-nr	Name	Content %	Classification CLP
		Bacillus spp. in an inert wettable-powder carrier:	19%	
		Ascophyllum nodosum pure extract	21%	
68514-28-3		Organic acid powders	60%	

**3.3 Additional information:** See full text of H-phrases in section 16. Occupational limits are listed in section 8, if these are available.

SECTION 4. FIRST AID MEASURES

**4.1 Description of first aid measures**

**General information:**

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

**Skin contact:** Wash affected areas with plenty of water. If irritation develops seek medical advice.

**Eye contact:** Remove contact lenses, if present and easy to do. Rinse eyes with water for at least 15 minutes while holding eyelids apart. If irritation develops seek medical attention.

**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. FIRE FIGHTING MEASURES

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

**5.2 Special hazards arising from the substance or mixture:** None.

**5.3 Advice for firefighters:** 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:** 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.

**6.2 Environmental precautions:** No special precautions.

**6.3 Methods and material for containment and cleaning up:** Avoid aerosol formation. Apply absorbent then collect in suitable labelled containers for waste. Rinse contaminated area with water afterwards.

**6.4 Reference to other sections:** For guidance on selection of personal protective equipment see section 8 of this safety data sheet. For guidance on disposal of spilled material see section 13 of this Material Safety Data Sheet.

SECTION 7. HANDLING AND STORAGE

**7.1 Precautions for safe handling:** Wear full protective clothing for prolonged exposure and/or high concentrations. Do not smoke, eat or drink when handling product. Follow manufacturer's recommendations. See section 8 for recommendations on the use of personal protective equipment.

**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(s):** See section 1.2

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**8.1 Control parameters**

**Occupational exposure limits EH40/2007:** Contains no substances with occupational exposure limit values.

CAS-no:	Name:	Limits 8 h:	Limits 15 min.:	Ref:

DNEL / PNEC

**8.2 Exposure controls**

**Appropriate technical measures:** Work in a well - ventilated area. Avoid eating, drinking and smoking. Wash hands after use.

**General information:**

**Personal protective equipment:**

- Respiratory protection:** Wear a dust mask
- Hand protection:** Wear protective gloves
- Eye protection:** Wear safety goggles
- Body protection:** Protective clothing (overalls) and shoes



## 9.1 Information on basic physical and chemical properties

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES				
<b>Appearance:</b>	<b>Colour:</b>	<b>Odour:</b>	<b>pH 20C</b>	<b>Viscosity:</b>
Liquid	Cloudy off white	None	6.5-7.5	Not applicable
<b>Flash Point:</b>	<b>Boiling Point:</b>	<b>Vapour Pressure:</b>	<b>Density g/cm<sup>3</sup>:</b>	<b>Melting Point:</b>
Not applicable	Not applicable	Not applicable	0.95-1.05 g/cm <sup>3</sup>	Not applicable
<b>Ignition Temperature:</b>	<b>Auto-ignition Temperature:</b>	<b>Explosive limits vol%:</b>	<b>Solubility in water 20C:</b>	
Not applicable	Not applicable	Not applicable	100%	

9.2 Other information: None

## 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:** May release oxides of carbon during fire.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Acute toxicity:</b>	Non-toxic
<b>Skin corrosion/irritation:</b>	Not an irritant
<b>Serious eye damage/irritation:</b>	Not an irritant
<b>Respiratory or skin sensitisation:</b>	Non-sensitising
<b>Germ cell mutagenicity:</b>	Non-mutagenic
<b>Carcinogenicity:</b>	Non-carcinogenic
<b>Reproductive toxicity:</b>	Non-toxic
<b>Specific target organ toxicity - single exposure:</b>	Non-toxic
<b>Specific target organ toxicity – repeated exposure:</b>	Non - toxic
<b>Aspiration hazard:</b>	No data available

**Information on likely routes of exposure:**

**Inhalation:** May cause sensitisation in some individuals.  
**Skin:** Not absorbed through skin.  
**Eyes:** Aerosol may cause irritation (surfactant).  
**Ingestion:** Unlikely to be harmful if swallowed.

**Symptoms related to related to the physical, chemical and toxicological characteristics:**  
 If inhaled, may cause sensitisation (shortness of breath).

**Delayed and immediate effects and chronic effects from short and long-term exposure:**  
 If inhaled, may cause sensitisation (shortness of breath)

**Interactive Effects:** None.  
**Absence of data:** If information is not listed in section 11 it is due to non - availability of data or not appropriate.  
**Additional information:** None

SECTION 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** Not determined.  
**12.2 Persistence and degradability:** The bacteria are naturally present in 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:** Use licensed waste disposal company.

**EWC:**  
**Contaminated packing:** Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

	ADR/RID	IMDG/IMO
<b>14.1 UN number</b>	<b>Not classed as hazardous for transport</b>	
<b>14.2 UN proper shipping name</b>		
<b>14.3 Transport hazard class(es)</b>		
<b>14.4 Packing group</b>		
<b>14.5 Environmental hazards – MP</b>		
<b>Other information</b>		

**14.6 Special precautions for user:** -  
**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBCCode:** Not regulated

SECTION 15. REGULATORY INFORMATION

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

**Other regulatory information authorisations and/or restrictions on use**

**Additional information:**

**15.2 Chemical safety assessment:** No data available

SECTION 16. OTHER INFORMATION
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**Full text of H-phrases as mentioned in section 2:**

**Additional information:**

This SDS summarises our best knowledge of the health and safety hazards information about the production and how to handle the product.

The information contained in this SDS, as of the issue date, is believed to be true and correct. However, accuracy or completeness of this information, and any recommendations and suggestions, are made without warranty and guarantee. Since the conditions of use are beyond the control of Emerald Research Limited, it is the responsibility of the distributor and user to determine the conditions of safe use of this product.

**Date:** September 2022