

### 1. IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

|                                     |  |
|-------------------------------------|--|
| <b>Issue Date:</b>                  | 12-02-2022   |
| <b>Product Name:</b>                | Bactivate Seaweed  |
| <b>Recommended use:</b>             | Agricultural Applications / Soil Conditioner                 |
| <b>Supplier:</b>                    | Bioptiv (AUS) Pty Ltd  |
| <b>ABN:</b>                         | 30 640 475 832   |
| <b>Street Address:</b>              | Factory 3, 100 Olympia St<br>Tottenham, VIC, 3012, Australia |
| <b>Telephone:</b>                   | 1800 112 779   |
| <b>Email:</b>                       | info@bactivate.com.au  |
| <b>Emergency telephone numbers:</b> | 1800 112 779 or Doctor                                       |

### 2. HAZARDS IDENTIFICATION

This material is not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| CHEMICAL NAME/ INGREDIENT  | CAS-NUMBER | % BY WEIGHT |
|--|------------|-------------|
| Seaweed solution   | N/A        | 100         |
| Components not precisely identified are proprietary or not hazardous |            |             |

### 4. FIRST AID MEASURES

#### Inhalation

Not considered a potential route of exposure. However, if inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

#### Ingestion

If ingested seek medical attention.

#### Skin

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

#### Eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses.

Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

#### First Aid Facilities

Eyewash and normal washroom facilities.

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Any extinguishing media can be used: water, carbon dioxide, foam, dry powder.

#### Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide.

### Specific Hazards Arising from The Chemical

Heating can cause expansion or decomposition leading to violent rupture of containers.

### Decomposition Temperature

Not available

### Precautions in connection with Fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

## 6. ACCIDENTAL RELEASE MEASURES

### Method for BACTIVATE SEAWEED SOLUTION clean-up / collecting:

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Stop leak if possible, without risk. Spills should be contained by absorbing with dry inert filler (soil, sand or vermiculite). Collect and seal in properly labelled containers for disposal. Carefully dilute with water. Wash down area with excess water into a containment area or contain with inert filler for disposal.

**Environmental precautions:** Do not discharge into sewers or waterways.

## 7. HANDLING AND STORAGE

**Handling:** Avoid skin and eye contact.

**Storage:** Store in a covered, cool and dry, well-ventilated area. Keep containers closed when not in use – check regular for leaks.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure limit values

No exposure standards have been established for the mixture. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

### Biological Limit Values

No biological limits allocated.

### Appropriate Engineering Controls

Use with good general ventilation.

### Respiratory Protection

Generally not required.

**Industrial applications:** If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/ mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/ NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

**Eye Protection**

Not required under normal conditions of use. However, avoid eye contact.

Industrial Applications: Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/ face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection**

Not required under normal conditions of use.

Industrial Applications: Wear gloves of impervious material (such as PVC coated fabric). Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/ NZS 2161. 1: Occupational protective gloves - Selection, use and maintenance.

**Body Protection**

Industrial applications: Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                       |  |
|---------------------------------------|--|
| <b>Form / Colour / Odour:</b>         | Brown liquid with mild specific odour. |
| <b>Specific gravity @ 20 °C:</b>      | Approx 1.1-1.3 kg/litre                |
| <b>Solubility:</b>                    | Not available                          |
| <b>pH:</b>                            | 6-7                                    |
| <b>Boiling point (°C):</b>            | Not applicable                         |
| <b>Vapour pressure @ 25 °C (kPa):</b> | Not available                          |
| <b>Melting point (°C):</b>            | Not applicable                         |
| <b>Flammability limits:</b>           | Not applicable                         |
| <b>Flash point (°C):</b>              | Not applicable                         |
| <b>Ignition temperature:</b>          | Not applicable                         |

**10. STABILITY AND REACTIVITY**

|                                       |   |
|---------------------------------------|---|
| <b>Chemical stability:</b>            | Thermally stable when stored and used as directed |
| <b>Conditions to avoid:</b>           | Elevated temperatures                             |
| <b>Corrosivity:</b>                   | Non-corrosive in presence of glass                |
| <b>Incompatible materials:</b>        | Not available                                     |
| <b>Polymerisation:</b>                | Will not occur                                    |
| <b>Special Remarks on Reactivity:</b> | Not available                                     |

**11. TOXICOLOGICAL INFORMATION****Toxicity to Animals**

LD50: Not Available, LC50: Not Available

**Ingestion**

Slightly hazardous in case of ingestion.

### **Inhalation**

Slightly hazardous in case of inhalation.

### **Skin**

May cause irritation to skin. The symptoms may include redness, itching and swelling.

### **Eye**

May cause eye irritation.

### **Germ cell mutagenicity**

N/A.

### **Carcinogenicity**

N/A.

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

Not available

### **Persistence and degradability**

Not available

### **Mobility**

Not available

### **Bio accumulative Potential**

Not available

### **Environmental Protection**

Prevent this material entering waterways, drains and sewers.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** Avoid release to the environment. Dispose of in accordance Local, State, and Federal regulations. Precautions for clean-up crew are described as the personal protection in **section 8**.

## 14. TRANSPORT INFORMATION

### **Transport Information**

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### **U.N. Number**

None Allocated

### **UN proper shipping name**

None Allocated

**Transport hazard class(es)**

None Allocated

**IMDG Marine pollutant**

No

### 15. REGULATORY INFORMATION

**Regulatory information**

Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Poisons Schedule**

Not Scheduled

**Australia (AICS)**

All components of this product are listed on the Inventory or exempted.

### 16. OTHER INFORMATION

This Material Safety Data Sheet has been prepared by Bioptiv (AUS) Pty Ltd in accordance with the Code and guidelines from the Australian Safety and Compensation Council (ASCC, formerly National Occupational Health and Safety Commission - NOHSC).

**For further information about this product contact:**

Bioptiv (AUS) Pty Ltd  
Factory 3, 100 Olympia St  
Tottenham, VIC 3012, Australia  
**Phone:** 1800 112 779

**Disclaimer:** Safety Data Sheets are updated frequently. Please ensure that you have a current copy. This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace.

Since Bioptiv (AUS) Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to use Bactivate Seaweed Solution to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact the issuer.

Indication of changes: see date and revision number.

**Revision:** 1.1

**SDS Date:** 12 February 2022

**End of SDS**