

# SAFETY DATA SHEET



## BIO-SEA SOIL ACTIVATOR

Hybrid-Ag Pty Ltd

Catalogue number: N/A

Version No: 0.1

Issue date: 16/11/2018

Safety Data Sheet according to WHS and ADG requirements

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

#### Product Identifier

Product name	Bio-Sea Soil Activator
Synonyms	N/A
Other means of identification	Liquid Fertiliser

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

Relevant identified uses	Fertiliser, soil stimulation
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#### Details of the manufacturer/importer

Registered company name	Hybrid-Ag Pty Ltd
Address	52 Buckler Road, Wangaratta, VIC 3677
Telephone	(03) 5722 7555
Mobile	
Website	<a href="http://www.hybridag.com.au">www.hybridag.com.au</a>
Email	<a href="mailto:admin@hybridag.com.au">admin@hybridag.com.au</a>

#### Emergency telephone number

Association / Organisation	Poisons Information Centre
Emergency telephone numbers	13 11 26
Other emergency telephone numbers	Not Available

### SECTION 2 HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

NON-HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the Model WHS Regulations and the ADG Code.

Poisons Schedule	Not Applicable
GHS Classification <sup>[1]</sup>	Not Applicable

#### Label elements

GHS label elements	Not applicable
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SIGNAL WORD	<b>NOT APPLICABLE</b>
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#### Hazard statement(s)

Not Applicable

#### Precautionary statement(s) Prevention

P102	Keep out of reach of children
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#### Precautionary statement(s) Response

Not Applicable

#### Precautionary statement(s) Storage

Not Applicable

#### Precautionary statement(s) Disposal

P501	Dispose of contents and containers in accordance with local regulations
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### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

#### Substances

All ingredients are non-hazardous

#### Mixtures

CAS No	% (weight)	Name
N/A	100	Proprietary Liquid Nutrient Fertiliser Mix

### SECTION 4 FIRST AID MEASURES

#### Description of first aid measures

<b>Eye Contact</b>	If this product comes in contact with eyes: Wash out immediately with water. If irritation continues, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
<b>Skin Contact</b>	If skin contact occurs with concentrate: Flush skin and hair with running water. Seek medical advice in event of irritation.
<b>Inhalation</b>	Not applicable
<b>Ingestion</b>	Do NOT induce vomiting. Immediately give a glass of water. If large quantities of the product are ingested, contact a Poisons Information Centre or a doctor immediately.

#### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5 FIREFIGHTING MEASURES

#### Extinguishing media

	There is no restriction on the type of extinguisher which may be used
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#### Special hazards arising from the substrate or mixture

<b>Fire incompatibility</b>	None known
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#### Advice for firefighters

<b>Fire Fighting</b>	Non-combustible Alert Fire Brigade and tell them location and nature of hazard. Fire fighters to wear self-contained breathing apparatus (SCBA) and suitable protective clothing
<b>Fire/Explosion Hazard</b>	Decomposition may produce hazardous vapours of Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides, Ammonia

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

<b>Minor Spills</b>	Sweep up & dispose of.
<b>Major Spills</b>	Sweep into a centralised location and place into labelled drums and dispose of according to local government regulations. Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle. Prevent by any means available any spillage entering a watercourse.

	Personal protective equipment advice is contained in Section 8 of this SDS
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### SECTION 7 HANDLING AND STORAGE

#### Precautions for safe handling

<b>Safe handling</b>	Wear suitable protective clothing depending on the circumstances as per section 8. Do not mix with other chemicals unless expressly recommended by the manufacturer. Always store in original container.
<b>Other information</b>	

#### Conditions for safe storage, including any incompatibilities

<b>Suitable container</b>	1L drum, 5L drum, 20L drum, 200L drums, 1000L IBC's, bulk storage containers or tanks
<b>Storage incompatibilities</b>	None known

#### PACKAGE MATERIAL INCOMPATIBILITIES

Not Available

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION


### Control parameters

#### OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA

Not Available

### Exposure controls

Appropriate engineering controls	Ensure adequate ventilation
Personal protection	 Wear gloves, dust mask, long sleeves, long pants & steel cap boots
Eye and face protection	Wear gloves, dust mask, long sleeves, long pants & steel cap boots
Hands/feet protection	Wear gloves, dust mask, long sleeves, long pants & steel cap boots

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Dark brown to black compost type material
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Physical state	Liquid	Specific Gravity (Water = 1)	1.202
Odour	Slight ammoniacal odour	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	6-9	Decomposition temperature	Not Applicable
Melting point / freezing point (°C)	Not Applicable	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Applicable	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	6.4	Gas group	Not Available
Solubility in water (g/L)	Fully Miscible	pH as a solution	6-9
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

## SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	Unstable in the presence of incompatible materials.
Possibility of hazardous reactions	None known
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides, Ammonia

## SECTION 11 TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Inhaled	Mists and spray from the product may cause irritation to the nose, throat and respiratory system with effects including; coughing and discomfort.
Ingestion	May cause irritation to the mouth, throat and stomach.
Skin Contact	May cause skin irritation
Eye	May cause irritation.
Chronic	Extended period of contact may cause irritation in sensitive individuals.

## SECTION 12 ECOLOGICAL INFORMATION

### Toxicity

No data available.

### Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
	No Data available for all ingredients	No Data available for all ingredients

### Bio accumulative potential

Ingredient	Bioaccumulation
	No Data available for all ingredients

### Mobility in soil

Ingredient	Mobility
	No Data available for all ingredients

## SECTION 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

<b>Product / packaging disposal</b>	Recycle containers whenever possible. Product residues and containers should be disposed of in accordance with local government regulations.
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## SECTION 14 TRANSPORT INFORMATION

### Labels Required

<b>Marine Pollutant</b>	No
<b>HAZCHEM</b>	Not Applicable

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

## SECTION 15 REGULATORY INFORMATION

### Safety, health and environmental regulations / legislation specific for the substance or mixture

Not Applicable

## SECTION 16 OTHER INFORMATION

### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

### Definitions and abbreviations

PC-TWA;	Permissible Concentration-Time Weighted Average
PC-STEL;	Permissible Concentration-Short Term Exposure Limit
IARC:	International Agency for Research on Cancer
ACGIH:	American Conference of Government Industrial Hygienists
STEL:	Short Term Exposure Limit
TEEL:	Temporary Emergency Exposure Limit
IDLH:	Immediate Danger to Life or Health Concentrations
OSF:	Odour Safety Factor
NOAEL:	No Observed Effects Level
TLV:	Threshold Limit Value
LOD:	Limit Of Detection
OTV:	Odour Threshold Value
BCF:	Bio Concentration Factors
BEI:	Biological Exposure Index

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**End of SDS**