

## SAFETY DATA SHEET

Life Force Bio-N™

Date of Issue: 19/09/2018

### CLASSIFICATION OF MATERIAL

Not Classified as Hazardous according to Safe Work Australia (GHS)  
Not a Dangerous Good according to the Australian Dangerous Goods Code

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Life Force Bio-N™
UN Proper Shipping Name:	N/A
Recommended Use:	Microbial inoculant
Company Name:	Nutri-Tech Solutions Pty Ltd
Address:	7 Harvest Road, Yandina, Qld 4561, Australia
Email:	info@nutri-tech.com.au
ABN:	83 010 472 590
Telephone:	+61 5472 9900
Fax:	+61 5472 9999
Emergency Telephone Numbers:	Police, Ambulance, Fire: 000 (Mobile 112) Poisons Information Centre (Australia) 13 11 26 Nutri-Tech Solutions Mon-Fri 8:30am-5pm AEST 07 5472 9900 (Australia)

### 2. HAZARDS IDENTIFICATION

Hazard Classification:	Non-Hazardous
	Not classified as Hazardous according to the criteria of GHS.
	Not classified as a Dangerous Good according to the Australian Dangerous Goods Code.
	Not classified as a schedule poison according to NDPSC.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS
<i>Azotobacter chroococcum</i>	N/A
Other ingredients determined to be non-hazardous	N/A

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### 4. FIRST AID MEASURES

<b>Ingestion:</b>	Immediately rinse mouth with water (only if patient is conscious). Seek medical advice.
<b>Eye:</b>	Immediately rinse with plenty of water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water, if irritation persists contact a physician.
<b>Skin:</b>	Remove contaminated clothing and wash with soap and water. If symptoms such as redness or irritation occur, consult a physician. Launder clothes before re-use.
<b>Inhalation:</b>	Remove to fresh air. Seek medical advice if breathing difficulty develops.
<b>First Aid Facilities:</b>	Normal washing facilities.
<b>Advice to Doctor:</b>	Treat symptomatically.
<b>General Information:</b>	N/A

### 5. FIRE FIGHTING MEASURES

<b>Flammability:</b>	Non-flammable and non-combustible.
<b>Extinguishing media:</b>	Use extinguishing media suitable for surrounding fire situations.
<b>Hazchem Code:</b>	N/A
<b>Precautions in connection with fire</b>	N/A

### 6. ACCIDENTAL RELEASE MEASURES

<b>Emergency procedures:</b>	Avoid release into sewers and waterways.
<b>Methods and materials for contamination and clean-up:</b>	Prevent run-off from entering drains and waterways. Collect and seal in properly labelled containers.

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### 7. HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Wear eye protection, face mask, impervious gloves and overalls. Immuno-compromised persons (e.g. those undergoing chemotherapy) should not handle or be exposed to microbial products. While handling, brewing and applying microbial products protective clothing and equipment should be worn. Avoid aerosols generated by aeration.
<b>Storage:</b>	Keep out of reach of children. Store in a cool, dry area in original sealed container below 30 °C and away from sunlight (preferably under refrigeration). Do not freeze.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>National Exposure Standards</b>	None established.
<b>Biological Limit Values:</b>	None established.
<b>Engineering Controls:</b>	Use in well ventilated areas only.
<b>Personal Protective Equipment:</b>	Gloves, eye protection and face mask. Always wash hands before smoking, eating, drinking or using the toilet.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Brownish liquid
<b>Odour:</b>	mild
<b>pH:</b>	6.5-8.0
<b>Flammability:</b>	Not combustible
<b>Solubility in Water:</b>	Dispersible
<b>Lower Explosion Limit:</b>	No data available
<b>Upper Explosion Limit:</b>	No data available
<b>Specific Gravity:</b>	1.0-1.2
<b>Conductivity:</b>	No data available
<b>Melting Point:</b>	No data available
<b>Boiling Point:</b>	100 °C
<b>Vapour Pressure:</b>	No data available
<b>Evaporation Rate:</b>	No data available

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### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of use.
<b>Hazardous Reactions &amp; Materials to Avoid:</b>	Hazardous polymerization will not occur. Do not store with foodstuffs.
<b>Hazardous Decomposition Products:</b>	None known.

### 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No LD <sub>50</sub> data available. May cause gastro-intestinal discomfort if consumed.
<b>Skin:</b>	No data available. May cause irritation.
<b>Eye:</b>	No data available. May cause irritation.
<b>Respiratory or skin sensitisation:</b>	No data available. May cause irritation.
<b>Germ cell mutagenicity:</b>	No data available.
<b>Carcinogenicity:</b>	No data available.
<b>Reproductive toxicity:</b>	No data available.
<b>Specific Target Organ Toxicity (STOT) single exposure:</b>	No data available.
<b>Specific Target Organ Toxicity (STOT) – repeated exposure:</b>	No data available.
<b>Aspiration Hazard:</b>	No data available.

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No data available
<b>Persistence/Degradability:</b>	No data available
<b>Mobility:</b>	No data available
<b>Environmental Protection:</b>	No data available

### 13. DISPOSAL CONSIDERATIONS

<b>Disposal Method:</b>	Dispose of in accordance with local government guidelines.
<b>Container:</b>	Recycle containers if possible (replace cap and return cleaned container to recyclers or collection point).

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### 14. TRANSPORT INFORMATION

ADG Code:	This product is not labelled as a dangerous good and therefore does not have any special transport conditions.
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### 15. REGULATORY INFORMATION

SUSMP Poisons Schedule:	Not scheduled.
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### 16. OTHER INFORMATION

<b>Acronyms</b>	
ADG Code:	Australian Code for the Transport of Dangerous Foods by Road and Rail
AICS:	Australian Inventory of Chemical Substances
CAS Number:	Chemical Abstracts Service Registry
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
Hazchem Code:	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC:	International Agency for Research on Cancer
NDPSC:	National Drugs and Poisons Scheduling Committee.
NOS:	Not Otherwise Specified
NTP:	National Toxicology Program (USA)
UN Number:	United Nations Number
SUSMP:	Standard for the Uniform Scheduling of Medicines and Poisons
STEL:	Short Term Exposure Limit
TWA:	Time Weighted Average (the average airborne concentration when calculated over a normal eight hour working day for five days a week)
LD <sub>50</sub> :	Lethal Dose for 50% Mortality
SCBA:	Self Contained Breathing Apparatus

#### Disclaimer

The data and recommendations presented herein are based upon research of others and are believed to be accurate. However, no warranty is expressed or implied regarding this data or the results to be obtained from use thereof. Nutri-Tech Solutions P/L, assumes no responsibility for the injury to customers or third party proximity caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet.

**END OF SDS**