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## SAFETY DATA SHEET

### Section 1 : IDENTIFICATION

<b>Product identifier</b>	<b>B&amp;B MARINE</b>
<b>Other means of identification</b>	Contains ingredients consistent with fish meal products.
<b>Recommended use and restrictions on use</b>	Liquid fertiliser for plants.
<b>Details of manufacturer</b>	Growth Agriculture Pty Ltd. PO Box 444, Wee Waa, NSW 2388, Australia. Freecall 1800 440 438 Phone (02) 6795 3787 Fax (02) 6795 3707
<b>Emergency phone number</b>	(Australia) 1800 440 438 or Poisons Information Centre (Australia) 13 11 26 Poisons Information Centre (NZ) 0800 764 766

### Section 2 : HAZARDS IDENTIFICATION

<b>Classification of the hazardous chemical</b>	Not classified as hazardous according to the criteria of SWA Australia.  Not a Dangerous Good according to the Australian Dangerous Goods [ADG] Code.
<b>Label elements, including precautionary statements</b>	No GHS hazard classification.  No precautionary statements due to the low hazard potential for this product.
<b>Other hazards which do not result in classification</b>	Contains restricted animal material – do not feed to cattle, sheep, goats, deer, or other ruminants.

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### Section 3 : COMPOSITION AND INFORMATION ON INGREDIENTS


<b>Identity of chemical ingredients</b>	Contains ingredients consistent with fish meal products Contains water.
<b>CAS Number and other unique identifiers</b>	7732-18-5 <i>Water</i> .
<b>Concentration of ingredients</b>	Fish meal – constituent ingredients not set.  This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.  Water – to 100%.

### Section 4 : FIRST AID MEASURES

<b>Description of necessary first aid measures</b>	From the available evidence, this product would appear to offer no significant health hazard by any exposure route. Consequently, First Aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
<b>Symptoms caused by exposure</b>	None specified.
<b>Medical attention and special treatment</b>	You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The contact numbers are in Section 1 in this SDS. Have this SDS with you when you call.

### Section 5 : FIRE FIGHTING MEASURES

<b>Suitable extinguishing media</b>	This product will not burn.
<b>Specific hazards arising from the chemical</b>	The residual dry components may thermally decompose after further strong heating.  Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.
<b>Special protective equipment and precautions for fire fighters</b>	Protective suit and breathing apparatus.

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## Section 6 : ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Usually, no respirator is necessary when using this product.

### Environmental precautions

In the event of a major spill, prevent spillage from entering drains or water-courses.

### Methods and materials for containment and cleaning up

Stop any leak if safe to do so, and contain the spill. Absorb onto sand, vermiculite or other suitable absorbent material. If the spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Collect recoverable product and place into labelled containers for recycling or salvage, and dispose of promptly.

After spills, wash the area and prevent runoff from entering local drains. If a significant quantity of material enters drains, advise emergency services.

**NOTE :** Please read the product label for additional information. Instructions on the label must take precedence over this SDS.

## Section 7 : HANDLING & STORAGE

### Precautions for safe handling

Keep exposure to this product to a minimum, and minimise the quantities kept in work areas.

Carefully read other sections of this SDS for details on personal protective measures, and make sure that those measures are followed. Also check the measures for storage.


Avoid contact or contamination of product with incompatible materials (if any) listed in this SDS.

### Conditions for safe storage, including any incompatibilities

Store packages of this product in a cool, dry and well-ventilated place out of direct sunlight. Store the product in the original package.

Avoid contact or contamination of product with incompatible materials (if any) listed in this SDS.

**NOTE :** Please read the product label for additional information. Instructions on the label must take precedence over this SDS.


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## Section 8 : EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Control parameters – exposure standards, biological monitoring</b>	<p>Use in a cool, well-ventilated space.</p> <p>No data is available in literature for an acceptable time-weighted average [TWA] exposure concentration (over an 8 hour work shift) for this product.</p> <p>No data is available in literature for a short-term exposure limit [STEL] for this product.</p> <p>Given the lack of exposure limit data and the likely low toxicity as vapour, no recommendations can be provided on biological monitoring.</p>
<b>Appropriate engineering controls</b>	Use in a cool, well-ventilated space. Have spillage kits available on site.
<b>Personal protective equipment (PPE)</b>	No special equipment is normally needed for the routine handling this product. However good practice suggests that you should have eye protection available in the form of safety glasses, goggles or a face mask. The use of gloves is optional as no special risk is evident. If substantial skin contact occurs, wash with clean water.

## Section 9 : PHYSICAL & CHEMICAL PROPERTIES


<b>Appearance</b>	Brown liquid.
<b>Odour</b>	Characteristic fish meal odour.
<b>Odour threshold</b>	No data available.
<b>pH</b>	No data available.
<b>Melting point/Freezing point</b>	Approximately 0 °C.
<b>Boiling point and boiling range</b>	Approximately 100 °C.
<b>Flash point</b>	Not flammable, not combustible.
<b>Evaporation rate</b>	No data available.
<b>Flammability</b>	Not flammable, not combustible.
<b>Upper &amp; lower flammability limits</b>	Not flammable, not combustible.
<b>Vapour pressure</b>	No data available.
<b>Vapour density</b>	No data available.

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<b>Relative density</b>	No data available.
<b>Solubility</b>	This product is an aqueous solution / suspension.
<b>Partition coefficient (n.octanol:water)</b>	This product is an aqueous solution / suspension.
<b>Auto-ignition temperature</b>	Will not auto-ignite.
<b>Decomposition temperature</b>	No data available.
<b>Viscosity</b>	As for water.
<b>Specific heat value</b>	As for water.
<b>Particle size</b>	This product is an aqueous solution / suspension.
<b>Volatile organic compounds content</b>	No data available.
<b>% volatile</b>	Water component.
<b>Saturated vapour concentration</b>	As for water.
<b>Release of invisible flammable vapours and gases</b>	No data available, but none likely.

### **ADDITIONAL PARAMETERS**

<b>Shape and aspect ratio</b>	Not applicable.
<b>Crystallinity</b>	Not applicable.
<b>Dustiness</b>	Not applicable.
<b>Surface area</b>	Not applicable.
<b>Surface area</b>	Not applicable.
<b>Degree of aggregation or agglomeration</b>	Not applicable.
<b>Ionisation (redox potential)</b>	No data available.
<b>Biodurability or biopersistance</b>	No specific data but unlikely to be persistent and unlikely to bioaccumulate.

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### Section 10 : STABILITY & REACTIVITY

<b>Reactivity</b>	Relatively unreactive, will not polymerise.
<b>Chemical stability</b>	At normal storage conditions this product is chemically stable.
<b>Conditions to avoid</b>	Avoid excessive heat, unventilated spaces and excessive long-term direct sunlight.
<b>Incompatible materials and possible hazardous reactions</b>	Avoid contact with strong oxidising substances.
<b>Hazardous decomposition products</b>	No specific data is available although the residual dry components may thermally decompose after strong heating.


### Section 11 : TOXICOLOGICAL INFORMATION


<b>Information on routes of exposure</b>	No specific information is available however it is likely that direct contact with the surface of eyes or mucous membranes could cause irritation.
<b>Symptoms related to exposure</b>	Direct contact with the surface of eyes or mucous membranes are treatable by irrigation.
<b>Numerical measures of toxicity</b>	No data available.
<b>Immediate, delayed and chronic health effects from exposure</b>	Immediate but transient surface irritation. No data available on the effects of chronic exposure.
<b>Exposure levels</b>	No data available.
<b>Data limitations</b>	No data available.

### Section 12 : ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No data available.
<b>Persistence and degradability</b>	Likely to degrade.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No specific data but being an aqueous solution, this product is likely to be mobile.
<b>Other adverse effects</b>	No data available.



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### Section 13 : DISPOSAL CONSIDERATIONS

<b>Safe handling and disposal methods</b>	Details are provided on the product label.
<b>Disposal of any contaminated packaging</b>	Details are provided on the product label.
<b>Environmental regulations</b>	Should not be discharged into waterways without prior local government approval.

**NOTE :** Please read the product label for additional information. Instructions on the label must take precedence over this SDS.


### Section 14 : TRANSPORT INFORMATION

<b>UN Number</b>	No UN number allocated.
<b>Proper shipping name</b>	Not specified in the Australian Dangerous Goods Code 7 <sup>th</sup> edition.
<b>Transport hazard class</b>	No data provided in the Australian Dangerous Goods Code 7 <sup>th</sup> edition.
<b>Packaging group</b>	No data provided in the Australian Dangerous Goods Code 7 <sup>th</sup> edition.
<b>Environmental hazards</b>	No data is available from literature.
<b>Special precautions during transport</b>	None known.
<b>Hazchem code</b>	No data provided in the Australian Dangerous Goods Code 7 <sup>th</sup> edition.

### Section 15 : REGULATORY INFORMATION

<b>Safety, health and environmental regulations specific for the product</b>	No special provisions apply to this product.
<b>Poisons schedule number</b>	No poisons schedule number is available for this product nor for any of the main constituents



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### Section 16 : OTHER INFORMATION

**Date of preparation or review**      November 2014

**Key abbreviations or acronyms used**      Where relevant, full wording followed by [square bracketing] abbreviations are provided in this SDS.

**END OF DOCUMENT**