

**Organix Seaweed Planting Tonic****Section 1 - Identification of Chemical Product and Company**

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**Trade Name:** Amgrow Organix Seaweed Planting Tonic  
**Product Use:** Organic plant tonic & fertiliser  
**Creation Date:** January 2009

**Section 2 - Hazards Identification**

**Statement of Hazardous Nature:** This product is not classified as hazardous to health according to the criteria of ASCC Australia.

**Not a Dangerous Good** according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** Not Hazardous according to criteria of Worksafe Australia

**Safety Phrases:** Not Hazardous according to criteria of Worksafe Australia.

**SUSDP Classification:** N/A

**ADG Classification:** None allocated. Not a Dangerous Good.

**UN Number:** None allocated

**Emergency Overview**

**Physical Description & colour:** Dark brown to black viscous liquid

**Odour:** Seaweed odour

**Major Health Hazards:** No significant risk factors have been found for this product.

**Potential Health Effects**

This product is virtually non-toxic by normal routes of exposure. There is no data to suggest that chronic exposure has any adverse health effects in the way of carcinogenicity, mutagenicity or reproductive effects. However, as with many products of organic origin, it is possible that this product may contain pathogenic micro-organisms

**Ingestion:** Data suggests that this product should present no significant problems to typical persons if used as intended. Non-toxic by ingestion.

**Eye Contact:** This product may cause slight eye irritation. However, it is unlikely to cause more than mild transient discomfort. It is also unlikely to cause any significant lasting effects

**Skin:** Data suggests that this product should present no significant problems to typical persons if used as intended.

**Inhalation:** Data suggests that this product should present no significant problems to typical persons if used as intended

**Carcinogen Status:**

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC at stated concentration.

**NTP:** No significant ingredient is classified as carcinogenic by NTP at stated concentration

**IARC:** No significant ingredient is classified as carcinogenic by IARC at stated concentration

**Section 3 - Composition/Information on Ingredients**

Chemical Entity	CAS No	Proportion, %	TWA, mg/m <sup>3</sup>	STEL, mg/m <sup>3</sup>
Durvillea potatorum	not set	100	not set	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.*

*The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.*

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## Section 4 - First Aid Measures

**General Information:** You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

**Inhalation:** No first aid measures normally required. However, if inhaled, and irritation has developed, remove to fresh air and observe until recovered

**Skin Contact:** If product gets on skin, wash contacted areas. No further measures should normally be required.

**Eye Contact:** Irrigate with copious amounts of lukewarm, gently flowing water until the product is removed or irritation has ceased, while holding the eyelid(s) open.

**Ingestion:** Rinse out mouth with plenty of water. Give a glass of water if affected person able to drink.

**Notes to Doctor:** Treat symptomatically. Note the nature of this product.

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## Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials, - water, water spray, dry powder, foam, and carbon dioxide.

**Flash point:** Does not burn.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Auto ignition temperature:** Not applicable - does not burn.

**Flammability Class:** Does not burn.

**Fire Decomposition:** Not combustible

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## Section 6 - Accidental Release Measures

**Accidental release:** Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or watercourses. Wear goggles and gloves. Stop leak if safe to do so and contain spill. After spills, wash area, preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Dispose of only in accord with all regulations. This material may be suitable for approved landfill.

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## Section 7 - Handling and Storage

No special storage and transport requirements. This product has no UN classification.

**Handling:** Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Storage:** Store in a cool, dry place away from children and animals or foodstuffs. Containers should be kept closed in order to minimise contamination. Keep away from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to avoid" in Section 10.

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## Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Exposure Limits	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )	ADI	NOEL
	not set	not set	not set	not set

*A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Worksafe Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m<sup>3</sup> for dusts or mists when limits have not otherwise been established. The nature*

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*of this product makes it unlikely that this level will be approached in normal use. ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level.*

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Eye Protection:** Protective eyewear is not normally necessary when using this product. However, it is always prudent to use protective eyewear.

**Skin Protection:** Wear gloves to prevent skin contact.

**Respirator:** It is usually safe to not use a dust mask or respirator protection on account of this product. However, in dusty environment use a particulate respirator.

Provision of eye wash facilities and safety shower recommended.

Wash hands before eating, drinking, smoking or going to toilet, launder protective clothing before re-use.

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## Section 9 - Physical and Chemical Properties:

**Physical Description & colour:** Dark brown to black viscous liquid

**Odour:** Seaweed odour

<b>Melting Point:</b>	N/A
<b>Volatiles:</b>	N/A
<b>Vapour Pressure:</b>	N/A.
<b>Vapour Density:</b>	No data.
<b>Specific Gravity:</b>	No data
<b>Water Solubility:</b>	Fully miscible
<b>Volatility:</b>	No data.
<b>Odour Threshold:</b>	No data.
<b>Flash Point</b>	N/A
<b>pH:</b>	4.3
<b>Corrosiveness:</b>	Not corrosive

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## Section 10 - Stability and Reactivity

**Reactivity:** This product is stable under normal temperatures and pressures, when stored and handled in accordance with this MSDS

**Conditions to Avoid:** Heat, flames, and incompatibles

**Incompatibilities:** Highly alkaline products

**Polymerisation:** This product is unlikely to spontaneously polymerise

**Fire Decomposition:** Not applicable

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## Section 11 - Toxicological Information

**Eye Effects:** May be slightly irritating to eyes

**Skin Effects:** Non toxic by skin absorption

**Ingestion:** Non-toxic

**Inhalation LC<sub>50</sub>** No data.

**Target Organs:** No data

**Positive Teratogen or Mutagen:** No data

**Potential Carcinogen (IARC or OSHA):** No

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## Section 12 - Ecological Information

Product is seaweed based

**Ecotoxicological Information:** Aquatic toxicity is expected to be low

**Environmental Data:** Product is non-toxic to the environment

**Persistence and Degradability:** No data      **Bioaccumulation:** Low

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## Section 13 - Disposal Considerations

**Disposal:** Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. This material may be suitable for approved landfill. Dispose of only in accord with all regulations.

## Section 14 - Transport Information

**ADG Code:** This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

## Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are to be found in the public AICS Database.

## Section 16 - Other Information

**This MSDS contains only safety-related information. For other data see product literature.**

### Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ASCC</b>	Australian Safety & Compensation Council
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Number</b>	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product. This MSDS is prepared in accord with the NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

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