

## Section 1 - Identification of Chemical Product and Company

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Trade Name: Nurture™ N 12-0-10+B  
Other Name: Nurture™ N 12-0-10+ 0.05% B  
Product Use: Controlled release foliar fertiliser (nutrient)  
This Revision: January 2016

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF SWA

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

SUSMP Classification: None allocated.

### Emergency Overview

Physical Description & colour: Green/Blue Liquid

Odour: Ammonia odour

Major Health Hazards: No significant risk factors have been found for this product in normal use.

### Potential Health Effects

**Ingestion:** Ingestion of large amounts may cause irritation to mouth. Drink water or milk. Seek medical advice

**Eye Contact:** Moderate irritation.

**Skin:** May cause moderate irritation.

**Inhalation:** If the product is present in high concentrations, it may cause mild irritation to the nose or throat.

**Chronic Effects:** Repeated or prolonged contact with dilute solutions may cause skin irritation.

### Carcinogen Status:

**SWA:** No significant ingredient is classified as carcinogenic by SWA

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

## Section 3 - Composition/Information on Ingredients

<u>Ingredients</u>	<u>CAS No</u>
Poly Methylene Urea	9011-05-6
Urea	57-13-6
Potassium Citrate	866-84-2
Boric Acid	10043-35-3
Water	7732-18-5

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

## 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 and is available at all times. Have this MSDS with you when you call.



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**Inhalation:** If mists have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists for more than about 30 minutes, seek medical advice

**Skin Contact:** Wash affected areas with water until chemical is removed. Remove all contaminated clothing and launder before re-use. If in doubt obtain medical advice.

**Eye Contact:** Immediately irrigate with copious amounts of lukewarm, gently flowing water for 15 – 20 minutes or until the product is removed or irritation has ceased, while holding the eyelid(s) open. Obtain medical advice if irritation becomes painful or lasts more than a few minutes.

**Ingestion:** Give a glass of water if affected person able to drink. Do not induce vomiting unless instructed to do so by medical advice.

**Notes to Doctor:** Treat symptomatically. **Section 5 - Fire Fighting Measures**

**Fire and Explosion Hazards:** Product will not cause or contribute to an explosion. If in a fire product decomposition may result in the generation of oxides of nitrogen and ammonia

**Extinguishing Media:** Media to suit materials involved in fire.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

**Flash point:** Non Flammable

**Upper Flammability Limit:** Not applicable

**Lower Flammability Limit:** Not applicable

**Auto ignition temperature:** Not applicable

**Flammability Class:** Does not burn.

**Hazchem Code:** None allocated

**Section 6 - Accidental Release Measures**

**Spillage:** Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. 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. Section 7 - Handling and Storage

**Handling:** Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

**Storage:** Store in cool, dry, well ventilated area removed from combustible materials, herbicides, fungicides and foodstuffs. Ensure containers are labelled, protected from physical damage and sealed when not in use. Keep 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. Bagged fertilisers should be stored under cover and out of direct sunlight

**Section 8 - Exposure Controls and Personal Protection**

**Exposure Limits    TWA (mg/mP3P)    STEL (mg/mP3P)    ADI (mg/Kg/day)    NOEL (mg/Kg/day)**

*Exposure limits have not been set by SWA for any ingredients in product. 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. There is a blanket limit of 10mg/m<sup>3</sup> for dusts or mists when limits have not otherwise been established. 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. ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. Values taken from Australian ADI List, 31<sup>st</sup> March 2012*



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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**.

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.

**Ventilation:** Avoid high dust concentration and provide local exhaust ventilation where necessary.

**Eye Protection:** Eye protection such as protective glasses or goggles is recommended when using this product.

**Skin Protection:** Wear gloves or gauntlets and long sleeves when using this product to protect against skin irritation

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

### **Section 9 - Physical and Chemical Properties:**

<b>Physical Description &amp; colour:</b>	Green/Blue Liquid
<b>Odour:</b>	Ammonia odour
<b>Melting Point:</b>	no data
<b>Decomposition Temperature:</b>	no data
<b>Flash Point:</b>	Non-flammable
<b>Vapour Pressure:</b>	N/A
<b>Specific Gravity:</b>	1.16 @ 20°C
<b>Solubility:</b>	Completely
<b>pH :</b>	8-9
<b>Auto ignition temp:</b>	Not applicable

### **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:** Store away from heat or fire and ignition sources

**Incompatibilities:** Oxidising agents.

**Fire Decomposition:** May evolve oxides of nitrogen and ammonia

**Polymerisation:** This product is unlikely to undergo polymerisation processes.

### **Section 11 - Toxicological Information**

**Toxicity Data:** No LD50 data available for this product.

**Eye Effects:** Slight to moderate

**Skin Effects:** Slight

**Oral:** Low toxicity

**Inhalation:** Slight

### **Section 12 - Ecological Information**

**Environment:** Avoid contamination of waterways.

Aquatic organisms: No data available,

Flora: No data available

Bees: Not toxic.

Long term Ozone effects: None recorded.

**Bioaccumulative potential:** Unknown but probably low



### Section 13 - Disposal Considerations

**Disposal:** There are many pieces of legislation covering waste disposal and they differ in each state and territory, so each user must refer to laws operating in their area. In some areas, certain wastes must be tracked. The Hierarchy of Controls seems to be common - the user should investigate: Reduce, Reuse, and Recycle and only if all else fails should disposal be considered. Special help is available for the disposal of Agricultural Chemicals. The product label will give general advice regarding disposal of small quantities, and how to cleanse containers. However, for help with the collection of unwanted rural chemicals, contact ChemClear 1800 008 182 <http://www.chemclear.com.au/> and for help with the disposal of empty drums, contact DrumMuster <http://www.drummuster.com.au/>

### Section 14 - Transport Information

**ADG Code:** This product is NOT classified as a Dangerous Good.  
Not a Dangerous Good for transport by sea or air

### Section 15 - Regulatory Information

**Poison Schedule:** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)  
**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>IATA</b>	International Air Transport Authority
<b>IMDG</b>	International Maritime Dangerous Good
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>SWA</b>	Safe Work Australia (formerly ASCC and NOHSC)
<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 SDS 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 SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

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