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| Infosafe No™ 3NV0J | Issue Date : July 2017 | ISSUED by NUFARM |
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 Product Name **STABILAN ® 750SL Plant Growth Regulant**

Classified as hazardous

1. Identification

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| GHS Product Identifier | STABILAN ® 750SL Plant Growth Regulant |
| Product Code | 0251 |
| Product Type | Plant Growth Regulator |
| Company Name | NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780) |
| Address | 103-105 Pipe Road Laverton North Victoria 3026 Australia |
| Telephone/Fax Number | Tel: +61 3 9282-1000 Fax: +61 3 9282-1001 |
| Emergency phone number | 1800 033 498 (24hr Australia) |
| Recommended use of the chemical and restrictions on use | This product is an aid in increasing grain yields and prevention of lodging in wheat. |
| Other Information | This Safety Data Sheet describes the properties of the concentrated product. The physical properties and the assessments may not apply to the properties of the product once it has been diluted for application. |

2. Hazard Identification

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| GHS classification of the substance/mixture | Acute Toxicity - Oral: Category 4 Acute Toxicity - Dermal: Category 4 Corrosive to Metals: Category 1 |
| Signal Word (s) | WARNING |
| Hazard Statement (s) | Harmful if swallowed. Harmful in contact with skin. May be corrosive to metals. |
| General Precautionary Statement (s) | If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. |
| Pictogram (s) | Corrosion, Exclamation mark, The below pictograms are GHS Hazard symbols for workplace use only. See SECTION 14 for Dangerous Goods information. |



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| Precautionary statement – Prevention | Keep only in original container. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, clothing, eye and face protection. |
| Precautionary statement – Response | Absorb spillage to prevent material damage. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse. |
| Other Information | This product is a Class 8 Dangerous Good. It is not corrosive to skin, but is corrosive to aluminium. |

3. Composition/information on ingredients

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|----------------------------------|---|------------|-------------------|
| Chemical Characterization | Liquid | | |
| Ingredients | <u>Name</u> | <u>CAS</u> | <u>Proportion</u> |
| | Chlormequat (present as chlormequat chloride) | 999-81-5 | 582 g/L |

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| Ingredients | <u>Name</u> | <u>CAS</u> | <u>Proportion</u> |
|-------------|-------------|------------|-------------------|
| | Water | | Remainder |

4. First-aid measures

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| Inhalation | Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice. |
| Ingestion | Rinse mouth and then drink plenty of water. Obtain medical advice. |
| Skin | Wash affected areas thoroughly with soap and water. Remove contaminated clothing and laundry before re-use. |
| Eye contact | Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical advice if irritation develops or persists. |
| First Aid Facilities | If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26. |
| Advice to Doctor | Chlormequat is a weak ganglionic stimulant with an action similar to that of nicotine. An effective antidote has not been established. Based on animal studies, breathing difficulties, clonic-toxic spasms may occur. Ingestion of larger amounts may cause central nervous system effects (headache and dizziness). |

5. Fire-fighting measures

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| Suitable extinguishing media | Water fog, foam, carbon dioxide or dry chemical. |
| Hazards from Combustion Products | If involved in a fire, the dehydrated components may emit oxides of carbon and hydrogen chloride or chlorinated compounds. |
| Special Protective Equipment for fire fighters | Breathable air apparatus should be worn when fighting a fire in which chlormequat chloride is involved. |
| Specific hazards arising from the chemical | The product will not burn or burns with difficulty. Use an extinguishing media suitable for the surrounding fires. |
| Hazchem Code | 2X |
| Other Information | STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES. |

6. Accidental release measures

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| Spills & Disposal | Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal. |
| Personal Protection | For appropriate personal protective equipment (PPE), refer Section 8. |

7. Handling and storage

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| Conditions for safe storage, including any incompatibilities | Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Do not store below -10°C. Extended storage below -10°C can result in the formation of crystals on the bottom of the container. If crystallisation does occur, store the container on its side at room temperature and rock occasionally until crystals re-dissolve. Protect from temperatures above 35°C. Properties of the product may change if stored above this temperature for extended periods. |
| Other Information | Always read the label and any attached leaflet before use. |

8. Exposure controls/personal protection

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| Occupational exposure limit values | No exposure standards have been set for this product. |
| Appropriate engineering controls | Handle in well ventilated areas, generally natural ventilation is adequate. |

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| Personal Protective Equipment | It is good practice to wear suitable personal protective equipment (PPE). When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. |
| Hygiene Measures | After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment. |

9. Physical and chemical properties

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| Form | Liquid |
| Appearance | Yellow liquid |
| Odour | Slight amine odour |
| Solubility in Water | Soluble in water. |
| Specific Gravity | 1.138 |
| pH | 5.3 (1% solution) |
| Partition Coefficient: n-octanol/water | Kow Log P is -3.47 (pH7) |
| Flammability | Non combustible material. |

10. Stability and reactivity

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| Chemical Stability | Stable under normal conditions. |
| Incompatible Materials | Corrosive to aluminium and its alloys. |
| Hazardous Polymerization | Hazardous polymerisation is not possible. |

11. Toxicological Information

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| Toxicology Information | No harmful effects are expected if the precautions on the label and this MSDS are followed. |
| Acute Toxicity - Oral | LD50 (rat) 1,100 mg/kg for a similar formulation |
| Acute Toxicity - Dermal | LD50 (rat) >5,000 mg/kg for a similar formulation |
| Acute Toxicity - Inhalation | LC50 (rat) (4hr) >8.9 mg/l for a similar formulation |
| Ingestion | Possible symptoms of exposure of the concentrate include: breathing difficulties, central nervous system effects (dizziness and headaches) and spasms. |
| Inhalation | Inhalation of sprays or mists may result in effects described under ingestion. |
| Skin | Not a skin irritant and not harmful by dermal exposure. |
| Eye | May cause some discomfort if contact is prolonged. |
| Skin Sensitisation | Product is not a skin sensitiser. |
| Chronic Effects | Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects. |
| Other Information | The Australian Acceptable Daily Intake (ADI) for chlormequat for a human is 0.07 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 7.5 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing, Office of Chemical Safety, 'ADI List', March 2016). |

12. Ecological information

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| Other Precautions | Do not contaminate dams, waterways or sewers with this product or the containers which have held this product. |
| Environmental Protection | Spray drift can cause damage, read the label for more information. |

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| Acute Toxicity - Fish | LC50 (96hr) for rainbow trout is >100 mg/l for chlormequat chloride |
| Acute Toxicity - Daphnia | LC50 (48hr) for daphnia is 31.7 mg/l. |
| Acute Toxicity - Algae | EC50 (72hr) for algae >100 mg/l. |
| Acute Toxicity - Other Organisms | The following data is for the active ingredient, chlormequat chloride. Birds: Not toxic to birds. LD50 for japanese quail is 441 mg/kg Not toxic to bees. |

13. Disposal considerations

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| Product Disposal | On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®). |
| Container Disposal | Do not use this container for any other purpose. Triple or preferably pressure rinse inner bladder or containers before disposal. Add rinsings to the spray tank. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal at an approved wastemanagement facility. If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product. drumMUSTER is the national program for the collection and recycling of empty, cleaned, non returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMUSTER symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program. |

14. Transport information

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| U.N. Number | 1760 |
| UN proper shipping name | CORROSIVE LIQUID, N.O.S. - (Contains Chlormequat Chloride) |
| Transport hazard class(es) | 8 |
| Hazchem Code | 2X |
| Packaging Method | 3.8.8 |
| Packing Group | III |
| Storage and Transport | Considered dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail. |
| EPG Number | 8A1 |
| IERG Number | 37 |

15. Regulatory information

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| Regulatory Information | WHS Schedule 11, item 40 (corrosive to metals, category 1) |
| Poisons Schedule | S6 |
| Packaging & Labelling | POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING |
| Other Information | This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 67839. |

16. Other Information



Safety Data Sheet

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Date of preparation 12/07/2017

**or last revision of
SDS**

Contact Person/Point Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000
After Hours: Shift Supervisor Phone: 1800 033 498

**Revisions
Highlighted** The SDS was reviewed. Minor changes were made to the information and product
has been rebranded.

...End Of MSDS...

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