

Spray Aid™

Section 1: Identification of the Substance or Mixture and of the Supplier

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| Product name: | Spray Aid |
| Recommended use: | Spray adjuvant |
| Company details: | GroChem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand |
| Telephone: | +64 4 237 0905 |
| Email: | grochem@grochem.co.nz |
| Emergency telephone: | New Zealand 0800 CHEMCALL – 24 hours (0800 243 6225) Australia 1800 127 406 Other locations +64 4 917 9888 or The National Poisons Centre 0800 POISON (0800 764 766) |
| Date of preparation: | 03 April 2013 |

Section 2: Hazards Identification

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| Hazard classification (Transport): | Not a dangerous good for transport. |
| Hazardous substances (HSNO): | 3.1D (WARNING: Combustible liquid) 6.1D (WARNING: Harmful if swallowed or inhaled) 6.3B (WARNING: Causes mild skin irritation) 6.4A (WARNING: Causes serious eye irritation) 9.3B (Toxic to terrestrial vertebrates) |



Section 3: Composition/Information on Ingredients

| Classification & type: | CAS No. | Proportion (%w) |
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| Material 2 butoxy ethanol | 111-76-2 | 35-45% |
| Non-Hazardous components | | to 100% |

Section 4: First Aid Measures

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| Symptoms of exposure: | No adverse health effects expected if the product is handled in accordance with this SDS and the product label. Symptoms that may arise if the product is mishandled are: |
| If Swallowed | Swallowing can result in nausea, vomiting, diarrhoea and abdominal pain. |
| If in Eyes | An eye irritant. |
| If on Skin | Contact with skin will result in moderate irritation. |
| If Inhaled | Inhalation of mist will result in respiratory irritation. |
| First aid actions: | Call a POISON CENTRE or doctor/physician if you feel unwell. If medical advice is needed, have product container or label at hand. |
| If Swallowed | Rinse mouth. |
| If in Eyes | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. |
| If on Skin | If skin irritation occurs, get medical advice/attention. |
| If Inhaled | Remove to fresh air and keep at rest in a position comfortable for breathing. |
| Workplace facilities: | Eyewash facilities should be available. |
| Notes for medical personnel: | Treat symptomatically. |

Section 5: Fire Fighting Measures

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| Type of Hazard: | Slightly flammable. Heat from fire can create flammable vapours. Vapours may explode if confined. Vapours may travel some distance along the ground to an ignition source. |
| HAZCHEM code: | N/A |
| Combustion products: | Oxides of carbon. |
| Extinguishing media & methods: | Use equipment/media appropriate to surrounding conditions. Use water fog, alcohol foam, carbon dioxide, dry chemical type extinguishers. |
| Recommended protective clothing: | Firefighters should wear positive pressure self-contained breathing apparatus. |

Section 6: Accidental Release Measures

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| Personal protection: | See Section 8.3 for appropriate PPE. |
| Containment and clean up: | Eliminate all sources of ignition (NO SMOKING). Ventilate area of leak or spill. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect in an appropriate container or absorb with an inert material (eg vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials such as sawdust. |
| Special requirements | See Section 13 for instructions for the disposal of waste/contaminated material. |

Section 7: Handling and Storage

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| Subsection 1: | Handling |
| Handling practices | Wear appropriate PPE as detailed in Section 8.3. Keep away from heat - No Smoking. Keep out of reach of children. Read label before use. |
| Subsection 2: | Storage |
| Site requirements | Store in a cool, well-ventilated place. |
| Packaging | Store closed in resistant packaging. |

Section 8: Exposure Controls/Personal Protection

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| Subsection 1: | Workplace Exposure Guidelines (may also be considered in section 2) |
| Workplace exposure standards | No exposure standards have been set for this product. |
| Subsection 2: | Engineering Controls |
| Exposure control measures | Use only out doors or in a well-ventilated area. Avoid breathing mist/spray. |
| Subsection 3: | Personal Protective Equipment (PPE) |
| Detail specifications for equipment | Wear protective gloves and eye/face protection. |
| General hygiene | Do not eat, drink or smoke while using this product. Wash hands thoroughly after handling. |

Section 9: Physical and Chemical Properties

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| Appearance | Yellow liquid | pH | Not available |
| Odour | Ether | Boiling point (degC) | Not available |
| Specific gravity (kg/L) | 1.01 | Freezing point (degC) | Not available |
| Solubility | Infinite in water | Flashpoint (degC) | >68 |

Section 10: Stability and Reactivity

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| Material to avoid: | Combustible liquid. Vapours may travel some distance along ground to ignition source. Vapours may become explosive in a contained space. |
| Conditions to avoid: | Avoid sources of ignition. |
| Material to avoid: | Oxidisers. |
| Hazardous decomposition products: | Oxides of carbon. |
| Hazardous polymerization: | Will not occur. |

Section 11: Toxicological Information

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| Data and interpretation: | No toxicological data is known. See Section 2 for general hazard information. |
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Section 12: Ecological Information

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| Data organisation: | No data is available for this substance. |
| Environmental risk phrases: | Toxic to terrestrial vertebrates. |

Section 13: Disposal Considerations

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| Product disposal: | Reprocess or burn in a approved incinerator in accordance with all local regulations at an approved waste disposal facility. Do not contaminate water supplies/pollute public waters. Do not flush to sewer. |
| Container disposal: | Rinse container into spray tank. Crush and incinerate or bury at an approved facility. |

Section 14: Transport Information

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| UN number: | N/A |
| DG class and subsidiary group: | N/A |
| Proper shipping name: | N/A |
| Packing group: | N/A |
| HAZCHEM code: | N/A |
| Special precautions | Do not carry more than 1L on a passenger service vehicle. |

Section 15: Regulatory Information

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| Regulatory status: | Approved pursuant to the HSNO Act 1996, Additives, Process Chemicals and Raw Materials (Combustible) Group Standard, HSR002490. See www.epa.govt.nz for approval conditions. |
| HSNO Controls: | Trigger quantities for this substance: |
| SDS must be available for | 0.1L |
| Fire Extinguishers | 500L, 2 extinguishers |
| Signage | 1000L |
| Emergency plan | 1000L |
| Bunding | 1000L |

| Section 16: | Other Information |
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| Revision due: | 03 April 2018 |
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| Additional information: | Directions for use are found on the product label. |
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| Glossary: | |
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| CAS | Chemical Abstract Services Number, used to uniquely identify chemical compounds |
| EPA | Environmental Protection Authority |
| HSNO | Hazardous Substances and New Organisms (legislation 1996) |
| PPE | Personal Protective Equipment |

This SDS summarises our best knowledge of the health and safety hazard information available for this product and how to safely handle and use it. Since the use of this information and the conditions of the use of this product are not under the control of Grochem, it is the user's responsibility to determine conditions of safe use of the product.