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| Infosafe No™ NU0CV | Issue Date : February 2016 | ISSUED by NUFARM |
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 Product Name **BONUS Adjuvant/Surfactant**

Classified as hazardous

1. Identification

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| GHS Product Identifier | BONUS Adjuvant/Surfactant |
| Product Code | 0558 |
| Product Type | Adjuvant Surfactant |
| 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 | For use with Nufarm Credit Broadhectare Herbicide. Suitable for use in aquatic situations. |
| 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 | ED1 Eye Damage/Irritation: Category 1 |
| Signal Word (s) | DANGER |
| Hazard Statement (s) | H318 Causes serious eye damage. |
| General Precautionary Statement (s) | P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. |
| Pictogram (s) | Corrosion, 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 | P280 Wear protective gloves, clothing, eye and face protection. |
| Precautionary statement – Response | P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician. |
| Other Information | Poisons Schedule : Not Scheduled |

3. Composition/information on ingredients

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| Chemical Characterization | Liquid | | |
| Ingredients | <u>Name</u> | <u>CAS</u> | <u>Proportion</u> |
| | Alkyl ethoxyphosphate trolamine salt | | 114 g/L |
| | Non-hazardous ingredients | Proprietary | 30-60 % |
| | Water | | Balance |

4. First-aid measures

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| Inhalation | Remove affected person to fresh air until recovered. |
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| Ingestion | Rinse mouth and then drink plenty of water. |
| Skin | Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use. |
| Eye contact | If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. |
| First Aid Facilities | If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26. |
| Advice to Doctor | Treat symptomatically. |

5. Fire-fighting measures

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| Suitable extinguishing media | If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material. |
| Hazards from Combustion Products | Non-flammable. |
| Special Protective Equipment for fire fighters | Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces. |
| 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. |
| Clean-up Methods - Large Spillages | Place damaged containers in recovery bins (if available) and return to manufacturer. |

7. Handling and storage

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| Precautions for Safe Handling | Do NOT contaminate dams, rivers or streams, or any other water bodies with pesticide or used containers. |
| 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. |
| 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 biological exposure limit allocated. No exposure standard has been established for this product. |
| Appropriate engineering controls | Natural ventilation is sufficient when handling concentrate and preparing spray solution. |
| 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 | Light brown transparent liquid |
| Melting Point | <0°C |
| Boiling Point | >100°C |
| Solubility in Water | Soluble in water. |
| Specific Gravity | 1.082 |

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| pH | 6.0 - 7.0 |
| Vapour Pressure | Non volatile active material |
| Volatile Component | ~60% |
| Flash Point | N/A |
| Flammability | Not flammable |

10. Stability and reactivity

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| Chemical Stability | Stable under normal conditions. |
| Incompatible Materials | The addition of a strong alkali such as caustic soda will cause release of ammonia vapour. TLV for ammonia is 25ppm (TWA), 35ppm (STEL). |
| Possibility of hazardous reactions | Keep away from strong oxidising agents. |
| Hazardous Polymerization | Hazardous polymerisation is not possible. |

11. Toxicological Information

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| Acute Toxicity - Oral | LD50 (man) 1500 mg/kg for ammonium sulphate LD50 (rat) 3000 mg/kg for ammonium sulphate LD50 (rat) >5000 mg/kg for alkylethoxyphosphate salt |
| Ingestion | Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury. |
| Inhalation | The components of the product are of low volatility and no adverse effects are expected from handling the concentrate. |
| Skin | The concentrated product may cause slight irritation on contact. |
| Eye | The concentrate may cause irritation of the eyes. Prolonged contact with the concentrate may cause damage to the eye. |
| Chronic Effects | No information available, no chronic effects expected. |
| Serious eye damage/irritation | This product is a severe eye irritant. |
| Skin corrosion/irritation | May cause irritation. |

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 | This product is permitted for the control of certain weed species in waterways. Carefully read the precautions under 'Aquatic Weed Control' in the 'Directions For Use' table on the label. See label for Credit Broadhectare Herbicide. |

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 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, puncture or shred and bury containers in local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Returnable containers: empty contents fully into application equipment. Replace cap, close all valves and return to the point of supply for refill or |

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storage.

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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| Transport Information | It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs. |
| Storage and Transport | Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail. |

15. Regulatory information

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| Regulatory Information | Australia: WHS regulations (2011) - Schedule 11: classification not listed. |
| Poisons Schedule | Not Scheduled |
| Packaging & Labelling | 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: 52431. |

16. Other Information

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| Date of preparation or last revision of SDS | Revised 29/02/2016 This SDS replaces document dated March 2011. |
| Contact Person/Point | Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000 After Hours: Shift Supervisor Phone: 1800 033 498 |
| Revisions Highlighted | 5 yearly review carried out. Various changes and updates made to document. The SDS was reviewed to include GHS requirements. ...End Of MSDS... |

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