

SACOA PTY LTD

MATERIAL SAFETY DATA SHEET

SACOA Spray Grade Ammonium Sulphate Herbicide Adjuvant is used with Glyphosate based herbicides to minimize antagonism when tank mixing with flowable herbicides, and to improve performance under adverse environmental conditions



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SHEET REF: AMS0001
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Product Name: SACOA SPRAY GRADE AMMONIUM SULPHATE HERBICIDE ADJUVANT

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO WORKSAFE AUSTRALIA CRITERIA

ISSUED November 2009

1. PRODUCT AND COMPANY IDENTIFICATION

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| PRODUCT NAME: | SACOA Spray Grade Ammonium Sulphate Herbicide Adjuvant |
| CHEMICAL FAMILY: | Ammonium hydrogen sulphate, Diammonium Sulphate |
| UN NUMBER: | Not applicable |
| DANGEROUS GOODS CLASS: | Not applicable |
| HAZCHEM CODE: | Not applicable |
| POISON SCHEDULE NUMBER: | Not applicable |
| SUPPLIER: | SACOA Pty Ltd ACN 089 114 090 1 st Floor, 39 Stirling Hwy Nedlands WA 6009 PO Box 469 Claremont WA 6910 |
| | Telephone: (08) 9386 7666 Facsimile: (08) 9386 7866 |
| EMERGENCY: | Telephone: (08) 9386 7666 (Office hours) Facsimile: (08) 9386 7866 After Hours: (0427) 522 726 |

2. PHYSICAL DATA

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|----------------------------------|---|
| APPEARANCE, ODOUR | White crystalline powder, odourless. |
| MELTING POINT | 235°C |
| BOILING POINT | N/A |
| SPECIFIC GRAVITY (20°C) | 1.77 |
| VAPOUR DENSITY (AIR=1) | Not Available |
| VAPOUR PRESSURE (20°C) | Not Available |
| FLASH POINT (CLOSED CUP) | Not Available |
| FLAMMABILITY LIMITS (%) | Not Available |
| PH (1% SOLUTION) | 5.5 |
| SOLUBILITY IN WATER (G/L) | Miscible |
| STABILITY AND REACTIVITY | Stable under normal temperatures and pressures. Incompatible with oxidising agents. Decomposition products: oxides of sulfur, irritating and toxic fumes and gases, nitric oxide and ammonia fumes. |

3. INGREDIENTS

| Chemical Name | CAS Number | Proportion |
|---|-------------------|-------------------|
| Ammonium Sulphate | 7783-20-2 | >99.0% |
| Other ingredients not considered Hazardous by Worksafe Australia to | | 100% |

4. HEALTH HAZARD INFORMATION

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| HEALTH EFFECTS | No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are; |
| ACUTE EFFECTS | |
| SWALLOWED: | May cause gastrointestinal irritation with nausea, vomiting and diarrhoea |
| EYE: | Exposure to eyes may cause eye irritation. |
| SKIN: | Dust may cause irritation to skin. |
| INHALED: | Inhalation of dust may cause irritation to the respiratory tract. |
| CHRONIC EFFECTS | No information available. |

5. FIRST AID

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| SWALLOWED: | If conscious rinse out mouth with water and give water to drink. Do not induce vomiting. Seek immediate medical attention. |
| EYE: | Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek medical advice. |
| SKIN: | Wash with plenty of soap & water. Remove contaminated clothing, launder clothes before reuse. If irritation persists seek medical advice. |
| INHALED: | Remove victim from exposure to fresh air immediately. If not breathing, apply artificial respiration. If breathing is difficult give oxygen. Seek immediate medical advice. |

6. ADVICE TO DOCTOR

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| ADVICE TO DOCTOR | Treat Symptomatically |
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7. PRECAUTIONS FOR USE

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| EXPOSURE STANDARDS | No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia). |
| ENGINEERING CONTROLS | A system of local and/or general exhaust ventilation is recommended to keep exposure levels as low as possible. If condition of use creates dusty environment, process enclosures or local exhaust ventilation is recommended. |

8. PERSONAL PROTECTION

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| RESPIRATOR TYPE | Where sufficient ventilation is not available, avoid breathing dusts by wearing an AS 1716 approved P1 or P2 particulate filter respirator. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices. |
| EYE PROTECTION | Safety glasses with side shields or goggles should be worn as described in Australian Standard AS/NZS 1337 - Eye Protectors for Industrial Applications. |
| GLOVE TYPE | Impervious PVC or rubber gloves should be worn. |
| CLOTHING | Suitable protective clothing should be worn e.g. cotton overalls buttoned at neck and wrist. |

WORK HYGIENIC PRACTISES Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

9. FLAMMABILITY

FLAMMABILITY Not flammable.

10. SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

STORAGE PRECAUTIONS Store in a cool dry place. Store in well ventilated area. Keep container tightly closed. Protect from physical damage. Keep away from moisture and incompatible materials.

TRANSPORT Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SPILLS AND DISPOSALS

SPILLS Remove all sources of heat. Increase ventilation. Wear sufficient respiratory protection and full protective clothing to minimise skin and eye exposure. Sweep up material avoiding dust generation and seal in vapour tight labelled plastic containers for eventual disposal. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

DISPOSAL Dispose through a licensed waste processing company. Refer to State Land Waste Management Authority.

FIRE/EXPLOSION HAZARD

FIRE/EXPLOSION HAZARD This product is non-flammable

HAZARDOUS DECOMPOSITION OR BYPRODUCTS Thermal decomposition may produce ammonia and oxides of nitrogen and sulphur.

FIRE FIGHTING PROCEDURES Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

EXTINGUISHING MEDIA Use appropriate fire extinguisher for surrounding environment.

11. OTHER INFORMATION

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| ENVIRONMENTAL IMPACT | No data available. |
| TOXICITY | Oral LD50 (rat): 2840 mg/kg |

12. CONTACT POINT

Occupational Exposure Limits: - When a time weighted average (TWA) concentration for an 8 hour day, 5 day week has not been established by WorkSafe Australia for any product or material, a blanket recommendation of 5 mg/m³ for respirable vapours, dusts and mists is to be used.

The information given herein relates only to the specific material designated and is offered in good faith as being accurate and reliable as of the date indicated, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. None of the information given is intended as a recommendation for uses, which infringe valid patents, or as extending license under valid patents.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others that may be affected, of any hazards described in this sheet and of any precautions, which should be taken.

Prepared by: SACOA Pty Ltd – 1st Floor, 39 Stirling Hwy Nedlands WA 6009

Contact Point: Sales and Research Manager - Andrew Matthews – Mobile: (0429) 375 142