



Material Safety Data Sheet

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Infosafe No. NU04B Issue Date : April 2004 ISSUED by NUFARM

Product Name : **Spraymate BOND Adjuvant**

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name Spraymate BOND Adjuvant
Product Code 3345
Product Use Bond is a true sticker, extender providing superior sticking abilities and extending the life of your agricultural chemical and helps regulate droplet size and reduce drift, allowing a uniform spray pattern.
Company Name NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
Address 103-105 Pipe Road Laverton North
Victoria 3026 Australia
Emergency Tel. 24hr 1800 033 498
Telephone/Telex Number Tel: (03) 9282-1000 Fax: (03) 9282-1001
Other Information This MSDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Liquid

Characterization

Ingredients	Name	CAS	Proportion
	Synthetic Latex		450 g/L
	Alcohol Ethoxylate		100 g/L
	Water		Balance

3. HAZARDS IDENTIFICATION

Other Information Poisons Schedule : Not Scheduled

4. FIRST AID MEASURES

Inhalation Remove affected person to fresh air until recovered.
If symptoms develop or persist, seek medical advice.

Ingestion If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust).
Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
Inhalation of vomit containing latex and surfactant may lead to lung problems.

Skin Remove contaminated clothing and launder before re-use.
Wash affected areas thoroughly with soap and water.

Eye If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.
Seek medical advice.

First Aid Facilities If poisoning occurs, contact a doctor or Poisons Information Centre on 13 11 26 (Australia).

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media Water, foam, carbon dioxide or dry chemical.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite).
Collect in sealed open top containers for disposal.

7. HANDLING AND STORAGE



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Storage Store in the closed, original container in a cool, well ventilated area.
Do not store for prolonged periods in direct sunlight.
Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits No exposure standards have been set for this product.
Respiratory Protection Respiratory protection may be required if the conditions of use lead to high concentrations of vapour or aerosol.
Personal Protective Equipment It is good practice to wear suitable personal protective equipment (PPE).
When preparing product for use wear elbow-length PVC gloves and face shield or goggles.
Eng. Controls Handle in well ventilated areas, generally natural ventilation is adequate.
Hygiene Measures After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance White emulsion
Odour Slight ammoniacal odour.
Boiling Point 100°C
Specific Gravity (H₂O=1) 1.0100
Vapour Pressure As for water
Vapour Density (Air=1) N/A
Volatile Component 45% (water)
Flammability Non flammable.

10. STABILITY AND REACTIVITY

Hazardous Polymerization Hazardous polymerisation is not possible.
Hazardous Reaction Excessive free metallic ions may cause coagulation.
Will coagulate under low pH conditions.

11. TOXICOLOGICAL INFORMATION

Inhalation Breathing in high concentrations of vapours or aerosols of this material may cause nausea and irritation of the nose, throat and respiratory tract.
Respiratory symptoms associated with pre-existing lung disorders (e.g. asthma-like conditions) may be aggravated by exposure to this material.
Ingestion The concentrate is of low toxicity if swallowed.
Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury.
However, swallowing of large amounts may cause injury.
Skin The concentrate is not expected to be a skin irritant, however, if allowed to remain on the skin without being rinsed off with water, a thin film may form. Removal of this film may result in slight irritation dependent on the method of removal. Skin absorption of this material is unlikely.
Eye May irritate the eyes.
Acute Toxicity - Oral LD50 (rat) >5000 mg/kg for the product
Acute Toxicity - Dermal LD50 (rabbit) >2000 mg/kg for the product
Acute Toxicity - Inhalation LC50 (rat) (4hr) 4.73 mg/l
Skin Irritation Not expected to be irritating.



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12. ECOLOGICAL INFORMATION

Other Precautions Do not contaminate dams, waterways or sewers with this product.

Environ. Protection Harmful to fish.
Do not contaminate ponds, waterways or ditches with chemical or used containers. Wash out containers thoroughly and dispose of in a responsible manner.

Acute Toxicity - Fish Harmful to fish. LC50 (96hr) for guppy is 12.7 mg/l.

Acute Toxicity - Daphnia EC50 (24 hrs): 5.2 mg/l

13. DISPOSAL CONSIDERATIONS

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 (ChemCollect).

Container Disposal Triple rinse containers, add rinsate to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations.
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.
Returnable containers: empty contents fully into application equipment. Replace cap, close all valves and return to the point of supply for refill or storage. 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.

14. TRANSPORT INFORMATION

U.N. Number None Allocated

Proper Shipping Name None Allocated

DG Class None Allocated

Hazchem Code None Allocated

Packing Group None Allocated

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

Poisons Schedule Not Scheduled

Packaging & Labelling KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

16. OTHER INFORMATION

Contact Person/Point Normal Hours: Mr Volker Maier Phone: (03) 9282 1000
After Hours: Shift Supervisor Phone: 1800 033 498

Revisions Highlighted The MSDS was reviewed. Minor changes were made to the information. The MSDS is now issued in a 16 header format.
...End Of MSDS...