



# Material Safety Data Sheet

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Infosafe No. 3NUCY Issue Date : July 2006 ISSUED by NUFARM

Product Name : **BONZA Spray Adjuvant**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	BONZA Spray Adjuvant
<b>Product Code</b>	3395
<b>Product Type</b>	Adjuvant
<b>Company Name</b>	NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
<b>Address</b>	103-105 Pipe Road Laverton North Victoria 3026 Australia
<b>Emergency Tel.</b>	24hr 1800 033 498
<b>Telephone/Fax Number</b>	Tel: (03) 9282-1000 Fax: (03) 9282-1001
<b>Recommended Use</b>	A specially formulated blend of paraffinic oil, fatty acid penetrants and nonoxynol surfactant to enhance the wetting, spreading and uptake of systemic Herbicides through waxy leaf surfaces; with other agricultural chemicals including Insecticides and Defoliantes to improve wetting and spreading; as an aid for modifying spray droplet quality and to preserve droplet survival as specified in the Directions for Use table on the label.
<b>Other Information</b>	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. HAZARDS IDENTIFICATION

<b>Hazard Classification</b>	HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Hazard classification according to the criteria of NOHSC. Dangerous goods classification according to the Australia Dangerous Goods Code.
<b>Risk Phrase(s)</b>	R41 Risk of serious damage to eyes.
<b>Safety Phrase(s)</b>	S13 Keep away from food, drink and animal feeding stuffs. S2 Keep out of reach of children. S25 Avoid contact with eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39 Wear eye/face protection.
<b>Other Information</b>	Poisons Schedule S5

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Chemical Characterization</b>	Liquid		
<b>Ingredients</b>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Paraffinic Mineral Oil	8020-83-5	450 g/L
	Fatty acid and fatty acid derivatives		259 g/L
	Nonoxynol	9016-45-9	91 g/L
	Other ingredients (considered non-hazardous)		10-30 %

## 4. FIRST AID MEASURES

<b>Inhalation</b>	Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.
<b>Ingestion</b>	Rinse mouth and then drink plenty of water. If poisoning occurs, contact a doctor or Poisons Information Centre on 13 11 26 (Australia).
<b>Skin</b>	Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use.



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

**Advice to Doctor** Treat symptomatically.  
If vomiting occurs, mineral oil and surfactants present may cause pulmonary pneumonitis.  
Pulmonary oedema is possible and may be delayed.  
The symptoms of lung oedema often do not become manifest until a few hours have passed; they are aggravated by physical effort. Rest and medical observation is therefore essential.

## 5. FIRE FIGHTING MEASURES

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

**Hazards from Combustion Products** If involved in a major fire, could evolve oxides of carbon or nitrogen.

**Special Protective Equipment for fire fighters** Breathable air apparatus should be worn when fighting a fire in which this product is involved.

**Hazchem Code** None Allocated

## 6. ACCIDENTAL RELEASE MEASURES

**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

**Precautions for Safe Handling** Do NOT contaminate dams, rivers or streams, or any other water bodies with chemical or used containers.

**Conditions for Safe Storage** 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

**National Exposure Standards** No exposure standards have been set for this product.  
NOHSC has set the following exposure standard for refined mineral oil mist :  
TLV (TWA) 5 mg/m<sup>3</sup>, STEL -.

**Engineering Controls** Handle in well ventilated areas, generally natural ventilation is adequate.

**Personal Protective Equipment** 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 rubber gloves and face shield or 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.

**Requirements Concerning Special Training** NSW regulations require that people who use pesticides in their job or business must have training in the application of the materials. By 1st September, 2005 all users must have received such training.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form** Liquid

**Appearance** Clear light green liquid

**Odour** Pine odour

**Solubility in Water** Disperses in water.



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**Specific Gravity** 0.875  
**Flammability** Combustible liquid C1.

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions.  
**Hazardous Polymerization** Hazardous polymerisation is not possible.

## 11. TOXICOLOGICAL INFORMATION

**Inhalation** Not a likely route of exposure when handling the concentrate.  
**Ingestion** May cause irritation to mouth, throat and stomach.  
Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury.  
If aspirated into the lung, e.g. from vomiting, the presence of mineral oil and nonionic surfactants may result in chemical pneumonitis or other lung damage.  
**Skin** Prolonged contact with the concentrate can cause defatting of the skin and may result in dermatitis.  
**Eye** The concentrate will cause severe irritation and possible damage unless washed off immediately.  
**Chronic Effects** No information available, no chronic effects expected.  
**Acute Toxicity - Oral** No data available.  
**Acute Toxicity - Dermal** No data available.  
**Acute Toxicity - Inhalation** No data available.  
**Eye Irritation** Risk of serious damage to eyes.  
**Skin Irritation** Mild skin irritant.

## 12. ECOLOGICAL INFORMATION

**Short Summary of Assessment of Environmental Impact** The product contains a surfactant.  
**Other Precautions** Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

## 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** Do not use this container for any other purpose. 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.  
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.



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## 14. TRANSPORT INFORMATION

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**U.N. Number** 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.

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## 15. REGULATORY INFORMATION

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**Poisons Schedule** S5

**Packaging & Labelling** READ SAFETY DIRECTIONS BEFORE OPENING OR USING

**Hazard Category** Irritant

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## 16. OTHER INFORMATION

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

**Revisions Highlighted** First Issue  
...End Of MSDS...