



Infosafe No™ 3NUCY	Issue Date : June 2010	ISSUED by NUFARM
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Product Name **BONZA Spray Adjuvant**

Classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name BONZA Spray Adjuvant

Product Code 3395

Product Type Adjuvant

Company Name NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)

Address 103-105 Pipe Road Laverton North
Victoria 3026 Australia

Emergency Tel. 1800 033 498 (24hr Australia)

Telephone/Fax Number Tel: +61 3 9282-1000
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Recommended Use 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 herbicides and agricultural chemicals 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.

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. HAZARDS IDENTIFICATION

Hazard Classification Classified as hazardous
HAZARDOUS SUBSTANCE.
NON-DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.

Risk Phrase(s) Classified as hazardous
R41 Risk of serious damage to eyes.

Safety Phrase(s) 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.

Other Information Poisons Schedule S5

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Liquid

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Paraffinic Mineral Oil	8020-83-5	411 g/L
	Fatty acid and fatty acid derivatives		305 g/L
	Nonoxynol	9016-45-9	90 g/L
	Other ingredients (considered non-hazardous)		10-30 %

4. FIRST AID MEASURES

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

Ingestion Rinse mouth and then drink plenty of water.
If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.

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Skin	Wash affected areas thoroughly with soap and water. Remove contaminated clothing and laundry before re-use.
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.
Other Information	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

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 ³ , 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	Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Appearance	Clear amber liquid
Solubility in Water	Disperses in water.
Specific Gravity	0.875

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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 (ChemClear®).

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.
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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14. TRANSPORT INFORMATION

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 S5

Packaging & Labelling READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Hazard Category Irritant

AICS (Australia) All of the components in this product are listed on the Australian Inventory of Chemical Substances.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS Revised 30/03/2010

Contact Person/Point Normal Hours: Mr Volker Maier Phone: +61 3 9282 1000
After Hours: Shift Supervisor Phone: 1800 033 498

Revisions Highlighted The MSDS was reviewed. Minor changes were made to the information. Ingredient values changed slightly and colour of mixture.
...End Of MSDS...

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