

Infosafe No™ 3NUYI	Issue Date : November 2017	ISSUED by NUFARM
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Product Name **BS 1000 Bio-Degradable Surfactant**

Classified as hazardous

1. Identification

GHS Product Identifier BS 1000 Bio-Degradable Surfactant

Product Code 3339

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 Bio-degradable wetting and spreading agent.
A spray activator for use with knockdown and residual herbicides as per the Directions for Use table on the label. Non-flammable, low toxicity.

2. Hazard Identification

GHS classification of the substance/mixture ED2A Eye Damage/Irritation: Category 2A

Signal Word (s) WARNING

Hazard Statement (s) H319 Causes serious eye irritation.

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) Exclamation mark,
The below pictogram is a GHS Hazard symbol for workplace use only.
See SECTION 14 for Dangerous Goods information.



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.
P337+P313 If eye irritation persists: Get medical advice/attention.

Other Information Poisons Schedule : Not Scheduled

3. Composition/information on ingredients

Chemical Characterization Liquid

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Alcohol alkoxylate	103818-93-5	1000 g/L

4. First-aid measures

Inhalation If symptoms develop or persist, seek medical advice.

Ingestion If swallowed DO NOT induce vomiting.
Give a glass of water.

Skin If skin contact occurs, remove contaminated clothing and wash skin thoroughly with 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

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Advice to Doctor (Australia) on 13 11 26.
Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media None required but use water spray to cool containers or personnel threatened by fire.
Water, foam, carbon dioxide or dry chemical.

Hazards from Combustion Products Combustible, C2.

Special Protective Equipment for fire fighters Breathable air apparatus may have to be worn in confined spaces.

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 in sealed open top containers for disposal.

Personal Protection For appropriate personal protective equipment (PPE), refer Section 8.

7. Handling and storage

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.
Do not store near oxidisers.

Other Information Always read the label and any attached leaflet before use.

8. Exposure controls/personal protection

Occupational exposure limit values No biological exposure limit allocated.
No exposure standards have been set for this product.

Appropriate engineering controls No special ventilation required.

Personal Protective Equipment It is good practice to wear suitable personal protective equipment (PPE).
When using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves.

9. Physical and chemical properties

Form Liquid

Appearance Clear pale straw coloured liquid.

Melting Point <0°C

Boiling Point >100°C

Solubility in Water Soluble in water.

Specific Gravity 1.0

pH 6-8 (1%)

Vapour Pressure N/A

Flash Point 169°C (CC)

Flammability Combustible liquid C2.

Kinematic Viscosity 80-100 mPa.s @ 20°C

10. Stability and reactivity

Chemical Stability Stable under normal conditions.

Possibility of hazardous reactions Violent reactions between the product and oxidising agents are possible.
Avoid chlorates, nitrates, nitric acid, organic peroxides and potassium

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Hazardous Polymerization chlorate.
Hazardous polymerisation is not possible.

11. Toxicological Information

Toxicology Information No harmful effects are expected if the precautions on the label and this MSDS are followed.

Acute Toxicity - Oral No data available.

Acute Toxicity - Dermal No data available.

Acute Toxicity - Inhalation No data available.

Ingestion Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury.
Will cause irritation to mouth, throat and stomach.
If aspirated into the lung, e.g. from vomiting, the presence of the product may result in lung damage.

Inhalation Not a likely route of exposure when handling the concentrate.

Skin Prolonged contact with the concentrate can cause defatting of the skin and may result in dermatitis.

Eye Classified as an eye irritant (category 2A) (OECD Test Guideline 437)

Chronic Effects No information available, no chronic effects expected.

12. Ecological information

Persistence and degradability Readily biodegradable.

Short Summary of Assessment of Environmental Impact The product is a surfactant.
Contamination of water bodies should be avoided.

Acute Toxicity - Fish EC50 (96hr) Fish - 9.8mg/l

Acute Toxicity - Daphnia EC50 (48hr) Daphnia magna - 3.2mg/l

13. Disposal considerations

Product Disposal 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 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.
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, break, crush or puncture and deliver empty packaging for appropriate disposal at an approved waste management facility.
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 storage.

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

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: 46871.

16. Other Information

Date of preparation or last revision of SDS	Reviewed 20/11/2017 This SDS replaces document dated June 2017.
Contact Person/Point	Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000 After Hours: Shift Supervisor Phone: 1800 033 498
Revisions & Highlighted	The SDS was reviewed. Various changes were made to the information. Product now considered hazardous. See sections 2, 9, 11 and 12 for changes. ...End Of MSDS...

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