

Infosafe No™ NU043	Issue Date : August 2016	ISSUED by NUFARM
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 Product Name **ACTIVATOR Surfactant**

Classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	ACTIVATOR Surfactant
<b>Product Code</b>	3335
<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>Telephone/Fax Number</b>	Tel: +61 3 9282-1000 Fax: +61 3 9282-1001
<b>Emergency phone number</b>	1800 033 498 (24hr Australia)
<b>Recommended use of the chemical and restrictions on use</b>	A premium non-ionic, rainfast wetting agent with low foaming qualities.
<b>Other Information</b>	This Safety Data Sheet describes the properties of the concentrated product. The physical properties and the assessments may not apply to the properties of the product once it has been diluted for application.

## 2. Hazard Identification

<b>GHS classification of the substance/mixture</b>	IT 4 Acute Toxicity - Inhalation: Category 4
<b>Signal Word (s)</b>	WARNING
<b>Hazard Statement (s)</b>	H332 Harmful if inhaled.
<b>General Precautionary Statement (s)</b>	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.
<b>Pictogram (s)</b>	Exclamation mark, The below pictogram(s) are GHS Hazard symbols for workplace use only. See SECTION 14 for Dangerous Goods information.



<b>Precautionary statement – Prevention</b>	P261 Avoid breathing spray.
<b>Precautionary statement – Response</b>	P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell.

## 3. Composition/information on ingredients

<b>Chemical Characterization</b>	Liquid		
<b>Ingredients</b>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Non Ionic Surfactants		900 g/L
	Water		Balance

## 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. Do not give anything by mouth to a semi-conscious or unconscious person. 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.

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<b>Skin</b>	Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
<b>Eye contact</b>	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice if irritation develops or persists.
<b>First Aid Facilities</b>	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.
<b>Advice to Doctor</b>	Treat symptomatically. If vomiting occurs, surfactant present may cause pulmonary pneumonitis.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.
<b>Hazards from Combustion Products</b>	May emit hazardous smoke and fumes if involved in fires or exposed to extreme heat.
<b>Special Protective Equipment for fire fighters</b>	Breathable air apparatus should be worn when fighting a fire in which this product is involved.
<b>Specific hazards arising from the chemical</b>	Considered low risk due to water content, however upon evaporation of water the product is combustible.

## 6. Accidental release measures

<b>Spills &amp; Disposal</b>	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.
<b>Personal Protection</b>	For appropriate personal protective equipment (PPE), refer Section 8.

## 7. Handling and storage

<b>Conditions for safe storage, including any incompatibilities</b>	Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.
<b>Other Information</b>	Always read the label and any attached leaflet before use.

## 8. Exposure controls/personal protection

<b>Occupational exposure limit values</b>	No exposure standards have been set for this product or the active ingredients.
<b>Appropriate engineering controls</b>	Handle in well ventilated areas, generally natural ventilation is adequate.
<b>Personal Protective Equipment</b>	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 PVC gloves and goggles.
<b>Hygiene Measures</b>	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.
<b>Requirements Concerning Special Training</b>	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

<b>Form</b>	Liquid
<b>Appearance</b>	Amber liquid
<b>Odour</b>	Fatty odour
<b>Solubility in Water</b>	Disperses in water.
<b>Specific Gravity</b>	1.007
<b>pH</b>	6.3 (1% in water)

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**Flash Point** >100°C (boils before flashpoint reached).

**Flammability** Non combustible material.

## 10. Stability and reactivity

**Chemical Stability** Stable under normal conditions.

**Possibility of hazardous reactions** Keep away from strong oxidising agents.

**Hazardous Polymerization** Hazardous polymerisation is not possible.

## 11. Toxicological Information

**Acute Toxicity - Oral** LD50 (rat) 3870 - 5000 mg/kg for a similar formulation

**Acute Toxicity - Dermal** LD50 (rat) >2000 mg/kg for a similar formulation

**Acute Toxicity - Inhalation** LC50 (rat) (4hr) 1.42 mg/l

**Ingestion** Possible symptoms of exposure include: nausea, vomiting and gastrointestinal discomfort and diarrhoea.

If aspirated into the lung, e.g. from vomiting, the presence of surfactant may result in chemical pneumonitis or other lung damage.

**Inhalation** The concentrate is considered harmful by inhalation by Worksafe Australia.

A moderate hazard exists from inhalation of spray and care should be taken to avoid inhalation of spray mists.

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

May irritate the skin.

**Eye** The concentrate will cause irritation of the eyes.

Possible symptoms include redness, swelling, tearing and pain.

**Skin Sensitisation** Product is not a skin sensitiser.

**Chronic Effects** Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

**Skin corrosion/irritation** Mild to moderate skin irritant.

## 12. Ecological information

**Other Precautions** Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

### Environmental Protection

**Acute Toxicity - Fish** Not toxic to fish. LC50 (96 hr) for *Poecilia reticulata* is 12.7 mg/l.

**Acute Toxicity - Daphnia** LC50 (24hr) for *daphnia magna* is 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 (ChemClear®).

**Container Disposal** Do not use this container for any other purpose.

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 an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations.

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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.  
 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

<b>Transport Information</b>	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
<b>Storage and Transport</b>	Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

#### 15. Regulatory information

<b>Regulatory Information</b>	Australia: WHS regulations (2011) - Schedule 11: classification not listed.
<b>Poisons Schedule</b>	Not Scheduled
<b>Packaging &amp; Labelling</b>	READ SAFETY DIRECTIONS BEFORE OPENING OR USING
<b>Other Information</b>	This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 41517.

#### 16. Other Information

<b>Date of preparation or last revision of SDS</b>	Revised 19/08/2016 This SDS replaces document dated June 2013.
<b>Contact Person/Point</b>	Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000 After Hours: Shift Supervisor Phone: 1800 033 498
<b>Revisions Highlighted</b>	The SDS was reviewed to include GHS requirements.  ...End Of MSDS...

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