

Infosafe No™ 3NV0D	Issue Date : July 2017	ISSUED by NUFARM
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 Product Name **SHIRWET 600**

Classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	SHIRWET 600
<b>Product Code</b>	3342
<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>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>	For use with insecticides, fungicides and herbicides.
<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>	FL3 Flammable Liquids: Category 3 OT4 Acute Toxicity - Oral: Category 4 ED1 Eye Damage/Irritation: Category 1 AC2 Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2
<b>Signal Word (s)</b>	DANGER
<b>Hazard Statement (s)</b>	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H318 Causes serious eye damage. H411 Toxic to aquatic life with long lasting effects.
<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>	Flame, Exclamation mark, Corrosion, Environment, The below pictograms are GHS Hazard symbols for workplace use only. See SECTION 14 for Dangerous Goods information.



<b>Precautionary statement – Prevention</b>	P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 Keep container tightly closed. P241 Use explosion-proof electrical equipment. P264 Wash hands and exposed skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves, clothing, eye and face protection.
<b>Precautionary statement – Response</b>	P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P330 Rinse mouth. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician. P391 Collect spillage.
<b>Other Information</b>	Poisons Schedule : Not Scheduled

## 3. Composition/information on ingredients

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<b>Chemical Characterization</b>	Liquid		
<b>Ingredients</b>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Nonyl phenol ethylene oxide condensate	9016-45-9	600 g/L

#### 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>	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26. Rinse mouth and then drink plenty of water.
<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.
<b>Advice to Doctor</b>	Treat symptomatically.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog, foam, carbon dioxide or dry chemical.
<b>Hazards from Combustion Products</b>	May emit toxic smoke and fumes if involved in fires or exposed to extreme heat.
<b>Special Protective Equipment for fire fighters</b>	Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.
<b>Specific hazards arising from the chemical</b>	The presence of alcohol in the product will allow it to flash, but it will not continue to burn unless the liquid is hot.
<b>Other Information</b>	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

#### 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. On-site disposal of concentrate is not acceptable.
<b>Personal Protection</b>	For appropriate personal protective equipment (PPE), refer Section 8.
<b>Environmental Precautions</b>	Prevent from entering drains, waterways or sewers.

#### 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. Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs.
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#### 8. Exposure controls/personal protection

<b>Occupational exposure limit values</b>	No exposure standard has been established for this product. Safe Work Australia has set the following exposure standard for ethanol : TLV (TWA) 1,800 mg/m <sup>3</sup> , STEL -.
<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.

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<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.
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## 9. Physical and chemical properties

<b>Form</b>	Liquid
<b>Appearance</b>	Clear viscous liquid
<b>Boiling Point</b>	>90°C
<b>Solubility in Water</b>	Soluble in water.
<b>Specific Gravity</b>	0.984 - 1.035
<b>Vapour Density (Air=1)</b>	>1
<b>Flash Point</b>	52°C (does not sustain combustion)
<b>Flammability</b>	Flammable liquid and vapour (GHS), considered non-flammable for transport (ADG, IMDG).

## 10. Stability and reactivity

<b>Chemical Stability</b>	Stable under normal conditions.
<b>Hazardous Polymerization</b>	Hazardous polymerisation is not possible.

## 11. Toxicological Information

<b>Ingestion</b>	Low toxicity. However, swallowing large amounts of concentrate may cause nausea and vomiting.
<b>Inhalation</b>	Some temporary irritation may be experienced.
<b>Skin</b>	Prolonged contact with the concentrate can cause defatting of the skin and may result in dermatitis.
<b>Eye</b>	The concentrate may cause irritation of the eyes.

## 12. Ecological information

<b>Persistence and degradability</b>	Not readily biodegradable.
<b>Known Harmful Effects on the Environment</b>	May be harmful to aquatic life.
<b>Other Precautions</b>	Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.
<b>Environmental Protection</b>	Marine pollutant.
<b>Acute Toxicity - Fish</b>	LC50 (96hr) for rainbow trout is 4.7 mg/l for this product

## 13. Disposal considerations

<b>Product Disposal</b>	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®).
<b>Container Disposal</b>	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, 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.

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Empty containers and product should not be burnt.  
 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.

## 14. Transport information

<b>Storage and Transport</b>	Considered non dangerous for road and rail transport (in packaging, including IBCs not greater than 3000 Lt each) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.
<b>UN Number (Sea Transport)</b>	For bulk shipments as Class 9, use UN 3082, HazChem code 2Z. 3082
<b>IMO Class/Packing Group</b>	Class 9; Packing Group III
<b>IMO Marine Pollutant</b>	Marine Pollutant
<b>IMO Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains nonoxynil)

## 15. Regulatory information

<b>Regulatory Information</b>	WHS Schedule 11: item 8 - Flammable Liquid category 3.
<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: 53883.

## 16. Other Information

<b>Date of preparation or last revision of SDS</b>	12/07/2017
<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. Minor changes were made to the information and product has been rebranded. ...End Of MSDS...

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