

Infosafe No™ 3NUYL	Issue Date : June 2017	ISSUED by NUFARM
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 Product Name **CLAW 350SL Herbicide**

Not classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	CLAW 350SL Herbicide
<b>Product Code</b>	0832 <span style="float: right;">NUL2698</span>
<b>Product Type</b>	Group B Herbicide
<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 the post-emergence control of certain annual grass and broadleaf weeds in field peas, legume-based pastures, lucerne, peanuts and soybeans, as specified in the Directions for Use table on the label.
<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>Precautionary statement – Prevention</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>Other Information</b>	Not classified as hazardous under the GHS criteria. 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>
	Imazamox present as the ammonium salt	114311-32-9	350 g/L
	Propylene glycol	57-55-6	100 g/L
	Other ingredients (considered non-hazardous)		60-90 %

## 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.
<b>Skin</b>	Remove contaminated clothing and launder before re-use. Wash affected areas thoroughly with soap and water.
<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.

## 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.
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<b>Hazards from Combustion Products</b>	If involved in a fire, the dehydrated components may emit oxides of carbon and oxides of nitrogen.
<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>	Considered low risk due to water content, however upon evaporation of water the product is combustible.
<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. Dispose of at a landfill in accordance with local regulations.
<b>Personal Protection</b>	For appropriate personal protective equipment (PPE), refer Section 8.
<b>Environmental Precautions</b>	This product is a herbicide and spills can damage crops, pastures and desirable vegetation.

## 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>Tank Cleaning</b>	Thoroughly flush all spray equipment with water following the use of this product and before use with other products.
<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>	Safe Work Australia has set the following exposure standard for propylene glycol : TLV (TWA) 474 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>	It is good practice to wear suitable personal protective equipment (PPE). 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.

## 9. Physical and chemical properties

<b>Form</b>	Liquid
<b>Appearance</b>	Yellow to amber liquid
<b>Solubility in Water</b>	Soluble in water.
<b>pH</b>	5.5 (1% in water)
<b>Vapour Pressure</b>	<0.013 mPa @ 25°C for Imazamox
<b>Partition Coefficient: n-octanol/water</b>	Kow Log P is -1.03 @ pH5 for Imazamox
<b>Flammability</b>	Not flammable
<b>Other Information</b>	pKa is 2.3, 3.3, 10.8 for Imazamox

## 10. Stability and reactivity

<b>Chemical Stability</b>	Stable under normal conditions.
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<b>Incompatible Materials</b>	Not compatible with iron and mild steel.
<b>Hazardous Polymerization</b>	Non corrosive to stainless steel, polyethylene and plastics.
	Hazardous polymerisation is not possible.

## 11. Toxicological Information

<b>Acute Toxicity - Oral</b>	LD50 (rat) >5,000 mg/kg for Imazamox
<b>Acute Toxicity - Dermal</b>	LD50 (rat) >2,000 mg/kg for Imazamox
<b>Acute Toxicity - Inhalation</b>	LC50 (rat) (4hr) >6.3 mg/l for Imazamox
<b>Ingestion</b>	The concentrate is of low toxicity if swallowed.
<b>Inhalation</b>	The components of the product are of low volatility and no adverse effects are expected from handling the concentrate.
<b>Skin</b>	Not a skin irritant and not harmful by dermal exposure.
<b>Eye</b>	May irritate the eyes.
<b>Skin Sensitisation</b>	Product is not a skin sensitiser.
<b>Carcinogenicity</b>	Data indicates no carcinogenic effects.
<b>Reproductive Toxicity</b>	Data indicates no reproductive effects.
<b>Chronic Effects</b>	Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.
<b>Serious eye damage/irritation</b>	Mild eye irritant.
<b>Mutagenicity</b>	Data indicates no mutagenic effects.
<b>Skin corrosion/irritation</b>	Mild skin irritant.
<b>Other Information</b>	The Australian Acceptable Daily Intake (ADI) for Imazamox for a human is 2.8 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 282 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Aust Govt Dept. of Health, Office of Chemical Safety, 'ADI List', March 2016).

## 12. Ecological information

<b>Other Precautions</b>	Do not contaminate dams, waterways or sewers with this product or the containers which have held this product. Do not spray within 50m of wetlands or waterways.
<b>Environmental Protection</b>	Spray drift can cause damage, read the label for more information.
<b>Acute Toxicity - Fish</b>	LC50 (96hr) for rainbow trout is >82 mg/l for a similar product
<b>Acute Toxicity - Daphnia</b>	EC50 (48hr) for daphnia is >100 mg/l for Imazamox. EC50 (48hr) for daphnia magna is >86.6 mg/l for a similar product.
<b>Acute Toxicity - Algae</b>	EC50 (72hr) for algae >0.037 mg/l.
<b>Acute Toxicity - Other Organisms</b>	Birds: Not toxic to birds. LD50 for bobwhite quail is >1846 mg/kg Bees: Not toxic to bees. LD50 >25 µg/bee.

## 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. Do not dispose of undiluted chemicals on site.

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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.

Empty containers and product should not be burnt.

## 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.

For bulk shipments as Class 9, use UN 3082, HazChem code 2Z.

**UN Number (Sea Transport)** 3082

**IMO Class/Packing Group** Class 9, Packing Group III

**IMO Marine Pollutant** Marine Pollutant

**IMO Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains imazamox)

## 15. Regulatory information

**Regulatory Information** Australia: WHS regulations (2011) - Schedule 11: classification not listed.

**Poisons Schedule** S5

**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: 70281.

## 16. Other Information

**Date of preparation or last revision of SDS** 28/06/2017

**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. Minor changes were made to the information and product has been rebranded.

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