

# Safety Data Sheet

according to WHS Regulations

Printing date 25.08.2020

Revision: 25.08.2020

## 1 Identification

**Product Name: GENFARM PROPYZAMIDE 500 SC HERBICIDE**

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:** Agricultural herbicide

**Details of Manufacturer or Importer:**

Nutrien Ag Solutions  
Level 5, Building A  
26 Talavera Road  
Macquarie Park, NSW 2113

**Phone Number:** 02 9889 5400

**Emergency telephone number:** 1800 44 88 92

## 2 Hazard(s) Identification

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



health hazard

Carcinogenicity 2 H351 Suspected of causing cancer.



environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

**Signal Word** Warning

**Hazard Statements**

H351 Suspected of causing cancer.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P391 Collect spillage.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

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## 3 Composition and Information on Ingredients

**Chemical Characterization: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.

<b>Hazardous Components:</b>		
CAS: 23950-58-5	Propyzamide (ISO)	50%
	☠ Carcinogenicity 2, H351; ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 107-21-1	1,2-Ethanediol	4.2%
	☠ Acute Toxicity (Oral) 4, H302; STOT SE 3, H335	

## 4 First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms persist.

**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

**Symptoms Caused by Exposure:**

Inhalation: May cause mild irritation.

Skin Contact: May cause skin irritation, itchiness and reddening.

Eye Contact: May cause eye irritation, stinging, reddening and watering.

Ingestion: May cause irritation, reddening and burning sensation to mouth and throat.

## 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Water fog, foam, dry chemical or carbon dioxide.**Specific Hazards Arising from the Chemical:**

During heating or in case of fire oxides of carbon, nitrogen, oxides of nitrogen, other nitrogen compounds, hydrogen cyanide, hydrogen chloride and other chlorine compounds may be produced.

Not flammable. Will not burn until water component is driven off.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Prevent run-off from fire fighting entering drains or water courses.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear appropriate respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area.

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**Environmental Precautions:** In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

## 7 Handling and Storage

**Precautions for Safe Handling:**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet.

Wash contaminated clothing and other protective equipment before storage or re-use.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep in original container, tightly closed when not in use. Protect from direct sunlight. Keep away from strong oxidising agents, strong acids and strong bases. Store locked up.

## 8 Exposure Controls and Personal Protection

**Exposure Standards:**

**CAS: 107-21-1 1,2-Ethanediol**

NES	STEL: 104** mg/m <sup>3</sup> , 40** ppm TWA: 10* 52** mg/m <sup>3</sup> , 20** ppm Sk;*particulate;**vapour
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**Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

**Respiratory Protection:**

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

Use impervious gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

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## 9 Physical and Chemical Properties

<b>Appearance:</b>	
<b>Form:</b>	Liquid
<b>Colour:</b>	Light brown
<b>Odour:</b>	Mild
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	~7
<b>Melting point/freezing point:</b>	~0 °C
<b>Initial Boiling Point/Boiling Range:</b>	~100 °C (at 100 kPa)
<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Product is not flammable
<b>Auto-ignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure at 20 °C:</b>	2.37 kPa (water vapour pressure)
<b>Relative Density at 20 °C:</b>	1.14- 1.20
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Forms a stable suspension
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	No information available

## 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Direct sunlight.

**Incompatible Materials:** Strong oxidising agents, strong acids and strong bases.

**Hazardous Decomposition Products:**

Oxides of carbon, nitrogen, oxides of nitrogen, other nitrogen compounds, hydrogen cyanide, hydrogen chloride and other chlorine compounds.

## 11 Toxicological Information

**Toxicity:**

<b>LD50/LC50 Values Relevant for Classification:</b>		
<b>CAS: 107-21-1 1,2-Ethanediol</b>		
Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	9,530 mg/kg (rabbit)
<b>CAS: 23950-58-5 Propyzamide (ISO)</b>		
Oral	LD50	10,000 mg/kg (dog)
		5,620-8,350 mg/kg (rat)

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Dermal	LD50	>3,160 mg/kg (rabbit)
Inhalation	LC50/4 h	>5 mg/l (rat)

**Acute Health Effects****Inhalation:** May cause mild irritation.**Skin:** May cause skin irritation, itchiness and reddening.**Eye:** May cause eye irritation, stinging, reddening and watering.**Ingestion:** May cause irritation, redening and burning sensation to mouth and throat.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** Suspected of causing cancer.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.**Chronic Health Effects:**

Prolonged exposure may cause decreased weight gain, changes in blood chemistry, increased liver weight and changes to thyroid, adrenal and pituitary function in laboratory animals.

**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for propyzamide for a human is 0.04 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the LOAEL of 40 mg/kg/day. (Ref: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', August 2020).

**12 Ecological Information****Ecotoxicity:**

Propyzamide is practically nontoxic to birds and bees.

Oral LD50 = 8700 mg/kg (japanese quail)

Oral LD50 = 14000 mg/kg (mallard duck)

**Aquatic toxicity:****CAS: 23950-58-5 Propyzamide (ISO)**

LC50/96 h	100 mg/l (bluegill)
	350 mg/l (goldfish)
	150 mg/l (guppy)
	72 mg/l (rainbow trout)
LC50/48 h	>5.6 mg/l (daphnia)

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Very toxic to aquatic life with long lasting effects.

**Persistence and Degradability:** Moderately persistent. Half-life in soil is 60 days.**Bioaccumulative Potential:** No information available**Mobility in Soil:**

Propyzamide is not readily soluble in water, and is strongly adsorbed to soil particles. Propyzamide has low mobility in soil and very little leaching is expected.

**Other adverse effects:** No information available

## 13 Disposal Considerations

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

## 14 Transport Information

**UN Number** Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

## 15 Regulatory Information

**Australian Inventory of Chemical Substances:**

CAS: 23950-58-5 Propyzamide (ISO)

CAS: 107-21-1 1,2-Ethanediol

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**

Poisons Schedule: 5

## 16 Other Information

**Date of Preparation or Last Revision:** 25.08.2020**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Acute Toxicity (Oral) 4: Acute toxicity - oral – Category 4

Carcinogenicity 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

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**Data altered compared to the previous version:**

Section 1: Details of Manufacturer or Importer, Emergency Phone Number, Section 2: Hazardous Nature, Hazard Statements, Precautionary Statements, Section 4: Eye Contact, Ingestion Section 5: Specific Hazards Arising from the Chemical, Section 6: Personal Precautions, Protective Equipment and Emergency Procedures, Section 7: Precautions for Safe Handling, Conditions for Safe Storage, Section 9: Viscosity, Section 10: Hazardous Decomposition Products, Section 11: Carcinogenicity, Additional toxicological information, Section 14: UN Number, Proper Shipping Name, Dangerous Goods Class, Packing Group

**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - May 2018"

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