

# Safety Data Sheet

according to WHS Regulations

Printing date 01.07.2020

Revision: 01.07.2020

## 1 Identification

**Product Name:** GENFARM ATRAGEN 900 WG 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 Limited  
Level 5, Building A  
26 Talavera Road  
Macquarie Park NSW 2113

**Phone Number:** 02 9889 5400

**Emergency telephone number:** National Poison Information Centre: 13 11 26

## 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 subject to the ADG Code when transported in Australia by Road or Rail in packages 500kg(L) or less; or IBCs (refer to SP AU01). However if transported by Air or Sea, this provision does not apply. Then the product is classed as Dangerous (Class 9 Environmentally Hazardous) by IATA and IMDG/IMSBC respectively. See details below and in Section 14 of this SDS.



health hazard

STOT RE 2            H373 May cause damage to organs through prolonged or repeated exposure.



environment

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



Skin Sensitisation 1 H317 May cause an allergic skin reaction.

**Signal Word** Warning

**Hazard Statements**

H317 May cause an allergic skin reaction.

H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves.

P302+P352 IF ON SKIN: Wash with plenty of water.

P314 Get medical advice/attention if you feel unwell.

P362+P364 Take off contaminated clothing and wash it before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P321 Specific treatment (see on this label).

P391 Collect spillage.

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

### 3 Composition and Information on Ingredients

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

CAS: 1912-24-9	Atrazine (ISO)	90%
	☠ STOT RE 2, H373; ☠ Aquatic Chronic 1, H410; ☠ Skin Sensitisation 1, H317	

### 4 First Aid Measures

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. 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, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Seek medical attention if symptoms occur.

**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 respiratory irritation.

Skin Contact: May cause mild skin irritation. May cause an allergic skin reaction, rash or inflammation. May be absorbed through skin.

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

Ingestion: May be harmful if swallowed, causing abdominal pain, diarrhoea and vomiting. May be absorbed orally.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Water fog, foam, dry chemical or carbon dioxide.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon and nitrogen, other nitrogen compounds, hydrogen chloride gas, other chlorine compounds and water.

This product is not flammable, but may decompose in a fire.

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

**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 approved self-contained breathing apparatus and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation.

**Environmental Precautions:**

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

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

Stop leak if safe to do so and sweep granules into a pile and shovel into labelled containers for subsequent disposal. Avoid generating dust. Provide adequate ventilation. Decontaminate spill area with detergent and water.

### 7 Handling and Storage

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. Work areas should be cleaned regularly to remove any build up of fibres and/or dust. 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 regularly, separate from other laundry to avoid cross-contamination and subsequent skin irritation of non-workers. Provide eyewash fountains and safety showers in close proximity to points of potential exposure. (building materials).

**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.

### 8 Exposure Controls and Personal Protection

**Exposure Standards:****CAS: 1912-24-9 Atrazine (ISO)**

WES	TWA: 5 mg/m <sup>3</sup>
	Sen

**Engineering Controls:**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below the limits.

**Respiratory Protection:**

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

PVC or rubber 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.

### 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Granulate
<b>Colour:</b>	Beige
<b>Odour:</b>	Mild, sweet
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Melting point/freezing point:</b>	~175 °C

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<b>Initial Boiling Point/Boiling Range:</b>	~205 °C
<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Non-flammable
<b>Auto-ignition Temperature:</b>	Product is not self-igniting.
<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 25 °C:</b>	0.0385 mPa
<b>Relative Density at 20 °C:</b>	~1.2-1.3
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Wettable - disperses in water.

## 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.

**Hazardous Decomposition Products:**

Oxides of carbon and nitrogen, other nitrogen compounds, hydrogen chloride gas, other chlorine compounds and water.

## 11 Toxicological Information

**Toxicity:**

**LD50/LC50 Values Relevant for Classification:**

**CAS: 1912-24-9 Atrazine (ISO)**

Oral	LD50	1,750 mg/kg (mouse) 3,090 mg/kg (rat) 750 mg/kg (rabbit)
Dermal	LD50	>3,000 mg/kg (rat) 7,500 mg/kg (rabbit)
Inhalation	LC50/4 h	5.2 mg/l (rat)

**Acute Health Effects**

**Inhalation:** May cause mild respiratory irritation. May be absorbed by inhalation.

**Skin:**

May cause mild skin irritation. May cause an allergic skin reaction, rash or inflammation. May be absorbed through skin.

**Eye:** May cause eye irritation, stinging, redness and watering.

**Ingestion:**

May be harmful if swallowed, causing abdominal pain, diarrhoea and vomiting. May be absorbed orally.

**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:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

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**Carcinogenicity:**

Atrazine is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

**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:**

May cause damage to organs through prolonged or repeated exposure.

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

Prolonged or repeated exposure may cause respiratory distress, paralysis of limbs, changes to brain, heart, lungs, liver, kidneys and ovaries, loss of appetite, lowered blood cell counts and tremors. Prolonged eye contact may cause permanent eye damage.

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

The Australian Acceptable Daily Intake (ADI) for atrazine for a human is 0.005 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 0.5 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: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', 2020).

## 12 Ecological Information

**Ecotoxicity:** Not toxic to bees, and practically non-toxic to birds.**Aquatic toxicity:**

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Persistence and Degradability:**

Atrazine is highly persistent in soils. It can persist for longer than 1 year under dry or cold conditions.

**Bioaccumulative Potential:**

Atrazine does not adsorb strongly to soil particles and has a lengthy half-life (60 to &gt;100 days)

**Mobility in Soil:** Atrazine is moderately to highly mobile in soils with low clay or organic matter content.**Other adverse effects:** No further relevant 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****ADG****IMDG, IATA**

Not regulated

3077

**Proper Shipping Name****ADG****IMDG, IATA**

Not regulated

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
SOLID, N.O.S. (Atrazine (ISO))

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**Dangerous Goods Class**

**ADG Class:** Not regulated  
**IMDG Class:** 9 Miscellaneous dangerous substances and articles.

**Packing Group:**

**ADG** Not regulated  
**IMDG, IATA** III

**Marine pollutant:** Yes**EMS Number:** F-A,S-F**Hazchem Code:** 2Z**Special Provisions:** 274, 331, 335, 375, AU01**Limited Quantities:** 5 kg**Packagings & IBCs - Packing Instruction:** P002, IBC08, LP02**Packagings & IBCs - Special Packing Provisions:** PP12, B3**Portable Tanks & Bulk Containers - Instructions:** T1, BK2, BK3

**Portable Tanks & Bulk Containers - Special Provisions:** TP33

<b>15 Regulatory Information</b>
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<b>Australian Inventory of Chemical Substances:</b>
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CAS: 1912-24-9 Atrazine (ISO)
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<b>Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:</b>
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Poisons Schedule: 5
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<b>16 Other Information</b>
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**Date of Preparation or Last Revision:** 01.07.2020**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 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)  
 Skin Sensitisation 1: Skin sensitisation, Hazard Category 1  
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
 Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

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

Section 1: Details of Manufacturer or Importer.  
 Section 4: Inhalation.  
 Section 4: Eye Contact.  
 Section 4: Ingestion.  
 Section 4: Symptoms Caused by Exposure.  
 Section 5: Specific Hazards Arising from the Chemical.  
 Section 11: Additional toxicological information.  
 Section 14: Special Provisions.

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Section 14: Limited Quantities.

Section 14: Packagings and IBCs.

Section 14: Portable Tanks & Bulk Containers.

## **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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