

Safety Data Sheet

according to WHS Regulations

Printing date 03.10.2019

Revision: 03.10.2019

1 Identification

Product Name: GENFARM FLUMIOXAZIN 500 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 classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



health hazard

Toxic To Reproduction 1B H360D May damage the unborn child.



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 Danger

Hazard Statements

H360D May damage the unborn child.

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.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 103361-09-7	Flumioxazin (ISO) Toxic To Reproduction 1B, H360D; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	50%
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CAS: 1332-58-7	Kaolin	10 - 30%
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4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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. Do not rub eyes. Continue rinsing. Seek medical attention.

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 immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: No adverse health effects expected.

Skin Contact: May cause skin irritation and redness.

Eye Contact: May cause eye irritation.

Ingestion: May cause gastrointestinal irritation.

5 Fire Fighting Measures

Suitable Extinguishing Media:

Water fog, alcohol-resistant foam, dry chemical or carbon dioxide. Do not use full water jet, as it may spread the fire.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include harmful vapours.

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

Containers close to fire should be removed 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 dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

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 sweep granules into a pile and shovel into drums for subsequent disposal. Avoid generating dust. Provide adequate ventilation. Wash spill area with plenty of water.

7 Handling and Storage

Precautions for Safe Handling:

May damage the unborn child. Pregnant women must not handle this product.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.

Empty containers may retain product residue. Do not reuse empty containers.

Food, beverages and tobacco products should not be stored or consumed where this material is in use.

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Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep only in original container. Keep container tightly closed when not in use. Protect containers from physical damage.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 1332-58-7 Kaolin**NES TWA: 10 mg/m³WES TWA: 10 mg/m³**Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

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, PVA, nitrile, neoprene, rubber or vinyl 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 dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Granules
Colour:	Beige
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	5.4 (1% solution)
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable
Bulk Density:	0.51 kg/L
Vapour Density:	Not applicable

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Evaporation Rate: Not applicable
Solubility in Water: No information available
Partition Coefficient (n-octanol/water): No information available
Viscosity: Not applicable

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:** No further relevant information available.**Incompatible Materials:** No further relevant information available.**Hazardous Decomposition Products:** Harmful vapours.

11 Toxicological Information

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

Oral	LD ₅₀	>5000 mg/kg (rat)
Dermal	LD ₅₀	>2000 mg/kg (rat)
Inhalation	LC ₅₀ /4 h	>0.969 mg/l (rat)

CAS: 1332-58-7 Kaolin

Oral	LD ₅₀	>5,000 mg/kg (rat)
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Acute Health Effects**Inhalation:** No adverse health effects expected.**Skin:** May cause skin irritation and redness.**Eye:** May cause eye irritation.**Ingestion:** May cause gastrointestinal irritation.**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:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** May damage the unborn child.**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:** No information available**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for flumioxazin for a human is 0.003 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 3 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

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Veterinary Chemicals', 2019).

12 Ecological Information

Ecotoxicity: LC50 / 14 days >5620 mg/kg/day (Bobwhite quail)**Aquatic toxicity:**

Very Toxic to aquatic life with long lasting effects.

LC₅₀/96 h | 2.3 mg/l (rainbow trout)**Persistence and Degradability:** No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**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**

Not regulated

IMDG, IATA

UN3077

Proper Shipping Name**ADG**

Not regulated

IMDG, IATAENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (Flumioxazin (ISO))**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

Symbol (fish and tree)

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

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15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 1332-58-7 | Kaolin

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

Poisons Schedule: 6

16 Other Information

Date of Preparation or Last Revision: 03.10.2019**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au

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 percentLD₅₀: 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)

Toxic To Reproduction 1B: Reproductive toxicity – Category 1B

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

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 - February 2016"

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