Safety Data Sheet

according to WHS Regulations

Printing date 25.08.2020 Revision: 25.08.2020

1 Identification

Product Name: RELYON IMAZAPIC 240 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:
Not 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)
The product is not classified, according to the Globally Harmonised System (GHS).

Signal Word None

Hazard Statements None

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures
Description: This mixture does not contain any notifiable substances.

Hazardous Components: None

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, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:
If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Do not 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 mild irritation.

(Contd. on page 2)

Safety Data Sheet
according to WHS Regulations

Printing date 25.08.2020 Revision: 25.08.2020

Product Name: RELYON IMAZAPIC 240 HERBICIDE

(Contd. of page 1)

Eye Contact: May cause mild irritation.
Ingestion: May cause irritation to mucous membranes.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:
Hazardous combustion products include oxides of carbon, nitrogen, nitrogen oxides, other nitrogen compounds, hydrogen cyanide and smoke.
The product is not flammable.
Minimise 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 personal protective equipment.

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. Wash spill area, preventing runoff from entering drains.

7 Handling and Storage

Precautions for Safe Handling:
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours.
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.

8 Exposure Controls and Personal Protection

Exposure Standards:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

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:
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.

(Contd. on page 3)

Safety Data Sheet
according to WHS Regulations

Printing date 25.08.2020 Revision: 25.08.2020

Product Name: RELYON IMAZAPIC 240 HERBICIDE

(Contd. of page 2)

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:	
Form:	Liquid
Colour:	Clear amber to green brown
Odour:	No information available
Odour Threshold:	No information available
pH-Value:	6.4- 6.8
Melting point/freezing point:	~0 °C
Initial Boiling Point/Boiling Range:	~100 °C (at 100 KPa)
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	Not applicable
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure at 20 °C:	2.37 kPa (water vapour pressure)
Relative Density:	1.08- 1.09
Vapour Density:	As for water
Evaporation Rate:	No information available
Solubility in Water:	Completely soluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	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, nitrogen oxides, other nitrogen compounds, hydrogen cyanide and smoke.

(Contd. on page 4)

Safety Data Sheet
according to WHS Regulations

Printing date 25.08.2020 Revision: 25.08.2020

Product Name: RELYON IMAZAPIC 240 HERBICIDE

(Contd. of page 3)

11 Toxicological Information

Toxicity:

LD50/LC50 Values Relevant for Classification:		
CAS: 104098-48-8 Imazapic		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalation	LC50/4 h	4.83 mg/l (rat)

Acute Health Effects
Inhalation: May cause mild irritation.
Skin: May cause mild irritation.
Eye: May cause mild irritation.
Ingestion: May cause irritation to mucous membranes.

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: 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: No information available

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information:
The Australian Acceptable Daily Intake (ADI) for imazapic for a human is 0.3 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 137 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', August 2020).

12 Ecological Information

Ecotoxicity:
Bees:
LD50 >100 µg/bee
Birds:
Oral LD50 >2150 mg/kg (mallard duck)
Oral LD50 >2150 mg/kg (bobwhite quail)

(Contd. on page 5)

Safety Data Sheet
according to WHS Regulations

Printing date 25.08.2020 Revision: 25.08.2020

Product Name: RELYON IMAZAPIC 240 HERBICIDE

(Contd. of page 4)

Aquatic toxicity:	
CAS: 104098-48-8 Imazapic	
LC50	>100 mg/l (bluegill) >100 mg/l (fish) >100 mg/l (rainbow trout)

Persistence and Degradability: Biodegradable. Imazapic will not accumulate in soil or water.

Bioaccumulative Potential: No information available

Mobility in Soil: No information available
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: 104098-48-8	Imazapic
CAS: 7732-18-5	Water

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not a scheduled poison.

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)

(Contd. on page 6)

Safety Data Sheet
according to WHS Regulations

Printing date 25.08.2020 Revision: 25.08.2020

Product Name: RELYON IMAZAPIC 240 HERBICIDE

(Contd. of page 5)

Data altered compared to the previous version:
Section 1: Details of Manufacturer or Importer, Emergency Phone Number, Section 5: Suitable Extinguishing Media, Specific Hazards Arising from the Chemical, Section 6: Personal Precautions, Section 7: Precautions for Safe Handling, Section 9: Viscosity, Section 10: Hazardous Decomposition Products, Section 11: Additional toxicological information

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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