

Safety Data Sheet

according to WHS Regulations

Printing date 25.08.2020

Revision: 25.08.2020

1 Identification

Product Name: GENFARM LV MCPA 570 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)



environment

Aquatic Acute 1

H400 Very toxic to aquatic life.

Aquatic Chronic 1

H410 Very toxic to aquatic life with long lasting effects.



Acute Toxicity (Oral) 4

H302 Harmful if swallowed.

Serious Eye Damage/Irritation 2A H319 Causes serious eye irritation.

Signal Word Warning

Hazard Statements

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear eye protection / face protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

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: 29450-45-1	MCPA, 2- ethylhexyl ester	57%
	⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Dermal) 4, H312; Serious Eye Damage/Irritation 2A, H319	

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 immediate medical attention.

Eye Contact:

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

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.

Symptoms Caused by Exposure:

Inhalation: May be harmful if inhaled. May cause mild irritation.

Skin Contact: May cause mild irritation.

Eye Contact: Causes serious eye irritation, stinging, reddening and watering.

Ingestion: Harmful if swallowed. May cause irritation to mucous membranes.

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, hydrogen chloride, other chlorine compounds and smoke.

Product is not flammable.

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 approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

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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. 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. 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 in original container tightly closed when not in use. Keep away from strong oxidising agents and 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.

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:	Brown
Odour:	Characteristic
Odour Threshold:	No information available

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pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	182- 202 °C (at 100 KPa (solvent))
Flash Point:	107 °C (Closed cup)
Flammability:	Product is not flammable
Auto-ignition Temperature:	No information available
Decomposition Temperature:	>150 °C
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	Negligible at normal ambient temperatures.
Relative Density:	1.056
Vapour Density:	>1
Evaporation Rate:	No information available
Solubility in Water:	Emulsifies into water.
Partition Coefficient (n-octanol/water):	>3 log POW (MCPA derivative)
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.
Product hydrolyses in basic conditions (pH >7).

Conditions to Avoid: No further relevant information available.

Incompatible Materials: Strong oxidising agents and bases.

Hazardous Decomposition Products:

Oxides of carbon, hydrogen chloride, other chlorine compounds and smoke.

11 Toxicological Information

Toxicity:

LD50/LC50 Values Relevant for Classification:

CAS: 29450-45-1 MCPA, 2- ethylhexyl ester

Oral	LD50	550-800 mg/kg (mouse) 700-1,160 mg/kg (rat)
Dermal	LD50	>1,000 mg/kg (rat) >4,000 mg/kg (rabbit)

Acute Health Effects

Inhalation: May be harmful if inhaled. May cause mild irritation.

Skin: May cause mild irritation.

Eye: Causes serious eye irritation, stinging, reddening and watering.

Ingestion: Harmful if swallowed. May cause irritation to mucous membranes.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

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Serious Eye Damage / Irritation: Causes serious eye irritation.**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:**

Prolonged exposure may cause retarded growth rate, loss of appetite, weight loss, reductions in red blood cell counts and haemoglobin, anaemia, increased kidney and liver weights, changes to the liver, kidneys, spleen and thymus, muscular weakness and digestive problems in laboratory animals.

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

The Australian Acceptable Daily Intake (ADI) for MCPA for a human is 0.01mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 1.1 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: MCPA is non-toxic to bees and moderately toxic to birds.**Aquatic toxicity:****CAS: 29450-45-1 MCPA, 2- ethylhexyl ester**

EC50/48 h 0.29 mg/l (daphnia)

EC50/72 h 0.11 mg/l (skeletonema costatum)

LC50/96 h 117-232 mg/l (rainbow trout)

Very toxic to aquatic life with long lasting effects.

Non-toxic to freshwater invertebrates and estuarine and marine organisms.

Persistence and Degradability:

MCPA is rapidly biodegraded and has low persistence. Half-life in soil is 14 days to 1 month.

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.

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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: 29450-45-1 | MCPA, 2- ethylhexyl ester

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

Poisons Schedule: 6

16 Other Information**Date of Preparation or Last Revision:** 25.08.2020**Prepared by:** MSDS.COM.AU Pty Ltdwww.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

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

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

Data altered compared to the previous version:

Section 1: Details of Manufacturer or Importer, Emergency Phone Number, Section 4: Eye Contact, Skin Contact, Ingestion, Section 5: Suitable Extinguishing Media, Specific Hazards Arising from the Chemical, Section 6: Personal Precautions, Protective Equipment and Emergency Procedures, Section 9: Flammability, Viscosity, Section 10: Hazardous Decomposition Products, Section 11: 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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