



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name:	EuroChem Ioxynil 250 Herbicide
Other means of identification:	Not Applicable
Recommended use of the chemical and restrictions on use:	Agricultural herbicide for use as described on the product label.
Supplier:	Eurochem Pty Ltd
Street address:	9 Heales Rd, Lara, VIC 3212
Telephone no.:	+61 427 453 101
Fax:	Not Available
Website:	www.eurochem.com.au
Emergency telephone:	Poisons Information Centre 13 11 26 (24 hours)

2. HAZARDS IDENTIFICATION

Classification of the substance mixture: This material is classified as hazardous according to the classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition).

Classification of the substance or mixture:

Acute Toxicity (Oral) Category 4
Eye Irritation Category 2A
Skin sensitization Category 1
Carcinogenicity Category 2
Reproductive Toxicity Category 2
Aspiration Hazard Category 1
Hazardous to Aquatic Environment Acute Category 1
Hazardous to Aquatic Environment Chronic Category 1

SIGNAL WORD: DANGER

Hazard Statement(s):

H302: Harmful if swallowed.
H319: Causes serious eye irritation
H317: May cause an allergic skin reaction.
H351: Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child
H304 May be fatal if swallowed and enters airways
H400: Very toxic to aquatic life.
H410: Very toxic to Aquatic life with long lasting effects

Precautionary Statement(s):

Prevention:

P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing mist and spray.
P264 Wash hands and face thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of water/ soap.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
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.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P363 Wash contaminated clothing before reuse.

Storage:

P405 Store locked up.

Disposal:

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

PICTOGRAM:


3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion (% w/w)
Ioxynil octanoate	3861-47-0	32
Solvent Naphtha (petroleum), heavy aromatic	64742-94-5	30-60
Other non-hazardous ingredients	Various	Balance

4. FIRST AID MEASURES

If poisoning occurs, contact a Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766 or a doctor. Have this SDS or the label with you.

Inhalation: Remove the victim to fresh air. Apply artificial respiration. Seek medical attention immediately.

Skin contact: Remove contaminated clothing and wash with plenty of water and soap. If symptoms develop, seek medical attention.

Eye contact: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes. Seek medical advice. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, wash mouth with water and contact a Poisons Information Centre or call a doctor. Do not induce vomiting.

First aid facilities: Eyewash and normal washroom facilities.

Medical attention and special treatment needed: Treat Symptomatically. no known specific antidote

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: In case of fire, use carbon dioxide, dry chemical, foam, water fog. Do not use full water jet.



Specific hazards arising from the substance or mixture:
Special protective equipment and precautions for fire-fighters:

carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides
The substances/groups of substances mentioned can be released in case of fire.

In case of fire and/or explosion do not breathe fumes. Cool containers at risk with water spray jet. If possible, remove containers from endangered area. Wear self-contained breathing apparatus and chemical-protective clothing. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately. Do not allow contaminated water to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures/ Environmental precautions:

In the event of a spill, prevent spillage from entering drains or water courses with absorbent material and call emergency services.

Personal precautions/ Protective equipment:

Wear full protective clothing including eye/face protection. All skin areas should be covered. It is good practice to wear impermeable gloves when handling chemical products. Provide adequate ventilation. If there is a significant chance that vapours or mists are likely to build up in the clean-up area, we recommend that you use a respirator. Refer to protective equipment as described in Section 8 of this safety data sheet.

Methods and materials for containment and cleaning up:

Contain - prevent run off into drains and waterways. Stop leak if safe to do so and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Because of the environmentally hazardous nature of this product, special care should be taken to restrict release to waterways or drains. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage and dispose of promptly. Recycle containers wherever possible after careful cleaning. Refer to product label for specific instructions. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this SDS and the label, instructions on the label prevail. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

7. HANDLING AND STORAGE

Precautions for safe handling:

Ensure adequate ventilation. Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Keep containers closed at all times - check regularly for leaks or spills. Transport and store upright. Refer to Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under 'Storage' should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Conditions for safe storage, including any incompatibilities:

Store packages of this product in a cool place. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Keep away from sources of ignition - No smoking. Keep in a cool, dry and well-ventilated place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Make sure that the product does not come into contact with substances listed under 'Incompatibilities' in Section 10. Check packaging - there may be further storage instructions on the label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: Exposure guidelines have not been established for this product by Safe Work Australia. However following ingredients have exposure standards:

Ioxynil octanoate 0.21 mg/m³ (SK-SEN)
Aromatic Hydrocarbons 100 mg/m³/15 ppm (STEL)
Aromatic Hydrocarbons 100 mg/m³/15 ppm (STEL)

Appropriate engineering controls: Use in well ventilated areas. If natural ventilation is inadequate, use of a fan is suggested. Keep containers closed when not in use. Do not breathe vapours/aerosols. Use good personal hygiene practices-wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes.

Individual protection measures, such as Personal Protective Equipment (PPE):

See container label safety directions. The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Observe good standards of hygiene and cleanliness. Always wash hands, arms and face thoroughly with soap and water before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment with detergent and warm water before storage or re-use.

Respiratory protection: Respiratory protective equipment is not needed under normal and intended conditions of product use. However, if protection is required, Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387) and consult AS/NZS 1715 and AS/NZS 1716 for further information.

Eye and face protection: Avoid contact with eyes. Eye and face protection is not needed under normal and intended conditions of product use, however safety glasses with side protection should be worn as a general precaution. If protection is required consult AS/NZS 1336 and AS/NZS 1337 for further information. Consult AS/NZS 1336 and AS/NZS 1337 for further information. Safety glasses with side protection (EN 166)

Skin protection: Avoid contact with skin. Elbow-length rubber or chemical resistant gloves must be worn when opening the container and using the product. Always check with the glove manufacturer or your personal protective equipment supplier regarding the correct type of glove to use. Consult AS/NZS 2161 for further information. Trousers, long sleeved shirt /cotton overalls buttoned to the neck and wrist and closed in shoes or safety footwear should also be worn as a general precaution. Consult AS/NZS 2210 and AS/NZS 2919 for further information. People with high-risk exposure, chemical suits (EN ISO 6530:2005) and boots may be required (EN ISO 20345:2012).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Clear liquid Yellow to Brown
Odour:	Of aromatic hydrocarbons.
pH:	Not Determined
Specific gravity:	ca. 1.07g/cm ³ at 20°C
Melting point/Freezing point:	Not Determined
Boiling point/range:	Not Determined
Flash point:	66°C
Upper Flammability Limit:	Not Determined
Lower Flammability Limit:	Not Determined
Evaporation point:	Not Determined
Vapour pressure:	Not Determined
Vapour density:	Not Determined
Solubility:	Not Determined
Partition coefficient: n- octanol/water	Ioxynil Octanoate: log Pow: 6.0
Auto-ignition temperature:	Not Determined

Decomposition temperature: Not determined
Viscosity: Not determined

10. STABILITY AND REACTIVITY

Reactivity: Thermal decomposition: 150 °C, 550 kJ/kg (onset temperature)
Thermal decomposition: 375 °C, >250 kJ/kg (onset temperature)
Thermal decomposition: Not a substance liable to self-decomposition according to UN transport regulations, class 4.1

Chemical stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions: The product is stable under recommended storage and handling conditions

Conditions to avoid: Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

Incompatible materials: None known.

Hazardous decomposition products: Thermal decomposition can lead to release of: Nitrogen Oxides (NOx), Carbon Oxides, Iodine compounds.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity LD50 (Rat) 602 mg/kg
Acute inhalation toxicity LC50 (Rat) > 3 mg/l, Exposure time: 6 h, The value mentioned relates to the active ingredient Ioxynil.
Acute dermal toxicity LD50 (Rat) > 2,000 mg/kg
Skin irritation Light irritation (Rabbit)
Eye irritation Irritating to eyes (Rabbit)
Sensitisation Sensitising (Guinea pig)

12. ECOLOGICAL INFORMATION

Ecotoxicity: The value mentioned relates to the active ingredient Ioxynil-octanoate.
Toxicity to fish: LC50 (Lepomis macrochirus (Bluegill sunfish)) 0.024 mg/l
Exposure time: 96 h
Toxicity to aquatic invertebrates: EC50 (Daphnia (water flea)) 0.011 mg/l
Exposure time: 48 h
Effects on aquatic plants: EC50 (Navicula pelliculosa (Freshwater diatom)) 0.24 mg/l
Exposure time: 72 h
Effects on other organisms: LD50 (Coturnix japonica (Japanese quail)) 677 mg/kg
LD50 (Pheasant) 1,000 mg/kg
LD50 (Anas platyrhynchos (Mallard duck)) 1,200 mg/kg

Persistence/Degradability: This product is not readily biodegradable. However, likely to degrade slowly in the soil or water and not cause long term problems

Bioaccumulative potential: Ioxynil octanoate: Bioconcentration factor (BCF) 188. Does not bioaccumulate.

Mobility in soil: Ioxynil octanoate: Moderately mobile in soils

13. DISPOSAL CONSIDERATIONS

Disposal methods: Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations. Break, crush or puncture and dispose of empty containers in a local authority landfill. Triple rinse and bury rinsate and empty capsules in a local authority landfill. If no landfill is available, bury the containers below 0.5m in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product must not be burnt. Do NOT re-use containers for any other purpose.

**14. TRANSPORT INFORMATION**

UN Number 3082
Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains 10% Bromoxynil).
Class 9
Packaging Group III

This product is a Marine Pollutant according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

15. REGULATORY INFORMATION

Poison schedule S6
(SUSMP):
APVMA/TGA approval no.: 87418
AICS: All the constituents of this material are either listed on the Australian Inventory of Industrial Chemicals (Inventory), not required due to the nature of the chemical, or have been assessed under the Industrial Chemicals Act 2019 as amended.

16. OTHER INFORMATION

General information: None.
Issue number: 002
Issue date: 25 May 2026
In any event, the review and, if necessary, the re-issue of an SDS shall be no longer than 5 years after the last date of issue.

Reason(s) for issue: New SDS

Literary reference: ADG Code - Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
APVMA – Agricultural Pesticides and Veterinary Medicines Australia
GHS - Globally Harmonised System of Classification and Labelling of Chemicals (3rd revised edition) 2009
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice
STEL - Short term exposure limit means the average airborne concentration of a substance calculated over a 15-minute period. The STEL should not be exceeded at any time during a normal eight hour working day.
SUSMP - Standard for the Uniform Scheduling of Medicines & Poisons
SWA - Safe Work Australia, formerly ASCC and NOHSC
TWA - Time-weighted average means the average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.
WHS – Workplace Health and Safety

The physical values and properties described in this SDS are typical values based on scientific literature and material produced to date, and are believed to be reliable. The supplier provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. The information is supplied upon the condition that the persons receiving information will make their own determination as to the suitability for their purposes prior to use of this product. Due care should be taken to ensure that the use of this product and its disposal is in compliance with all relevant Federal, State and Local Government regulations.

END SDS