

Material Safety data sheet

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Product Name: UTURN - PLANT GROWTH REGULATOR

CAS No. 76738-62-0

SUPPLIER: SEVROC PTY.LTD

ABN: 09947875

STREET ADDRESS: 51 Burlington Street Naval Base 6165

TELEPHONE: 0403 249 414

FAX: 08 9437 5026

EMERGENCY (ALL HOURS): 1800 033 111

2. COMPOSITION / INFORMATION ON INGREDIENTS

Recommended use: Plant growth regulator

Appearance: odourless yellow liquid

Chemical Entity	CAS No.	Proportion
Water	7732-18-5	10 – 90 %
Paclobutrazol	76738-62-0	0.4%
Inerts		1 – 50 %

All constituents of this material are listed on the Australia Inventory of Chemical Substances or are Australia Pesticide and Veterinary Medicine Authority approved constituents.

3. HAZARD IDENTIFICATION

Not classified as hazardous according to criteria of Worksafe Australia.

Not classified as Dangerous Goods by the criteria of the Australian dangerous Goods Code for transport by rail or road.

Poisons Schedule: S5

This material is a Scheduled Poison S5 and must be store, maintained and used in accordance with relevant regulations.

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4. FIRST AID MEASURES

Poison Information Centre in each state capital city can provide additional information for scheduled poisons.

Ingestion: Rinse mouth with water. Give plenty of water to drink, If vomiting occurs give further water. Seek medical advise.

Eye Contact: Irrigate with copious quantities of water for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advise.

Skin Contact: Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation persist seek medical advise.

Inhalation: Remove victim from exposure. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advise if effects persist.

NOTE to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Specific hazards: Non combustible material.

Fire fighting advise: Not combustible, however following evaporation of aqueous component residual material can burn if ignited. On burning will emit toxic fumes. Fire Fighters to wear self – contained breathing apparatus.

Suitable extinguishing media: Water fog, foam, dry chemical

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Slippery when wet. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination. Contain – prevent run off into drains and waterways. Use absorbent material. Collect and seal in properly labeled containers for disposal. Wash area down with detergent and excess water.

LARGE SPILLS: Slippery when wet. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination. Contain – prevent run off into drains and waterways. Use absorbent material. Collect and seal in properly labeled containers for disposal. Wash area down with detergent and excess water. If contamination of crops or waterways has occurred advise emergency services or State Department of Agriculture.

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7. HANDLING AND STORAGE

Storage: Store in the closed, original container in a cool, well-ventilated area, Do not store for prolong periods in direct sunlight.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupation exposure limits

No value assigned for this specific material by National Occupational Health and safety Commission (Worksafe Australia).

Engineering measures: Use well ventilated area. Keep containers closed when in use.

Personal protection equipment: Orica Personal Protection guide No.1., 1998: B – OVERALLS, SAFETY SHOES, GLOVES (S)

MANUFACTURE, PACKAGING AND TRANSPORTATION: Avoid skin and eye contact. Wear overalls, safety glasses and impervious gloves. Always wash hands before smoking, eating, drinking or using toilet. If risk of inhalation of vapours exist, wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

PREPARATION AND USE OF PRODUCT: Avoid contact with eyes and skin. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odourless yellow liquid.

Solubility: Dispersible in water.

Specific Gravity:	1.035	Melting point:	N.Av
Rel Vapour density (air = 1)	N.Av	Boiling point:	N.Av
Vapour pressure:	N.Av	Decomp. Point:	N.Av
Flash point:	N.Av	Sublimation point:	N.Av
Flammability limits:	N.Av	pH:	N.Av
Autoignition temp.:	N.Av	Viscosity:	N.Av
%volatile by volume:	N.Av		
Solubility in water:	dispersible		

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10. STABILITY AND REACTIVITY

Stability: No information is available.

11. TOXICOLOGICAL INFORMATION

Main symptoms: No adverse health effects expected if the product is handled in accordance with this MSDS and the product label. Symptoms that may arise is mishandled area.

Ingestion: No adverse effects expected, however large amounts may cause nausea and vomiting.

Eye contact: May be an eye irritant.

Skin contact: Contact with skin may result in irritation. Will have a degreasing action on the skin.. Repeated or prolonged skin contact may lead to irritant contact dermatitis. Unlikely to cause skin sensitization.

Inhalation: Where this material is used in a poorly ventilated area and at elevated temperatures and confined spaces vapour may cause irritation to mucous membranes and respiratory tract, headache and nausea. Inhalation of mist or aerosols may produce respiratory irritation.

Long term Effect: repeated or prolonged exposure to Paclbutrazol may effect liver.

Acute / Chronic toxicity

Oral LD50 rat	2000mg/kg
Dermal LD 50 rat	>1000mg/kg
Dermal LD50 rabbit	>1000mg/kg
Inhalation LC5050 rat	4.79mg/L/4hrs

Average daily intake for humans: 0.01mg/kg/day

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Toxic to aquatic organisms	96hrs LC50 rainbow trout	27.8mg/L
	48hrs LC50 Daphnia magna	33.2mg/L

Non-toxic to bees.

The substance has moderate mobility in soil. Adsorption depends on soil pH and organic matter content. It has potential for bioaccumulation, however there is rapid elimination from fish . 95% within 3days.

