



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

SAFETY DATA SHEET

Date of Issue: 17 July 2020

1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **CAMPBELL PACLO 200SC TURF GROWTH REGULATOR**

Other Names: Paclobutrazol

Chemical Group:

CAS No.: 76738-62-0

Recommended Use: Plant growth regulator for use on recreational turf.

Supplier Details: Colin Campbell (Chemicals) Pty Ltd ABN 29 000 045 590
5 Blackfriar Place
Wetherill Park NSW 2164

Telephone: (02) 9725 2544

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Email: ccesyd@campbellchemicals.com.au

Website: www.campbellchemicals.com.au

Contact: Product Development Manager – (02) 9725 2544

Emergency Telephone Number: 13 11 26 (Poisons Information Centre)

2) HAZARDS IDENTIFICATION

GHS classification:

GHS Signal Words: None.

Hazard Statements : H412: Harmful to aquatic life with long lasting effects.

General Precautionary Statements : P102 Keep out of reach of children
P103 Read label before use.

Pictograms :



Precautionary statements Prevention: P273 : Avoid release to the environment.



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Precautionary statements	P352: Wash with plenty of soap and water.
Response:	P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P332+P313: If skin irritation occurs: Get medical advice. P337+P313: If eye irritation persists: Get medical advice. P391: Collect spillage. P370+P378: Not combustible. Use extinguishing media suited to burning materials.
Storage :	P402 + P404 : Store in a dry place. Store in a closed container. P403+P235 : Store in a well-ventilated place. Keep cool.
Disposal:	P501 Dispose of contents/container to an approved waste disposal plant.
Other information :	No other information. Hazardous substance according to SWA criteria.

3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration
Paclobutrazol	76738-62-0	200g/L
Other non-hazardous ingredients	secret	To 100%

4) FIRST AID MEASURES

**If poisoning occurs, move out of dangerous area immediately contact a doctor or Poison Information Centre (Ph: 13 11 26) and follow the advice given.
Show this Safety Data Sheet to the doctor.**

If inhaled:	First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
In case of skin contact:	Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed.
In case of eye contact:	No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.
If swallowed:	If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.
First Aid facilities	Ensure eye wash and safety shower are available.
Medical Attention:	There is no specific antidote available. Treat symptomatically.



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5) FIRE FIGHTING MEASURES

Extinguishing media	Not combustible. Use extinguishing media suited to burning materials.
Hazard from combustion products	The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. This product is likely to decompose only after heating to dryness, followed by further strong heating. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.
Precautions for fighting fires	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away. If it can be done safely remove intact containers from the fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire residues and contaminated fire extinguishing water in accordance with local regulations. Do not release contaminated water into the environment.
Hazchem Code	None allocated

6) ACCIDENTAL RELEASE MEASURES

In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, referably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8). 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. 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

Handling	Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check 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.
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Storage This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Protect this product from light. Store in the closed original container in a dry, cool, well ventilated area out of direct sunlight. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

8) EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards	TWA (mg/m ³)	STEL (mg/m ³)
	Not set	Not set

Exposure standard – **Time Weighted Average (TWA)** means the average airborne concentration of a particular substance when calculated over a normal eight hour working day, for a five-day working week.

Short Term Exposure Limit (STEL) means the exposure level that may be equalled (but should not be exceeded for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL

Biological Limit Values None allocated

Engineering Controls Control process conditions to avoid contact. Use in a well ventilated area only. If natural ventilation is inadequate, use of a fan is recommended.

Personal Protective Equipment

Eyes: Safety goggles. Eye wash bottle with pure water.

Clothing: Impervious overalls buttoned to the neck and wrists and a washable hat.

Gloves: Polyvinyl alcohol or nitrile-butyl-rubber gloves. Before removing gloves clean them with soap and water.

Respiratory: If inhalation is likely an AS/NZS 1715/1716 approved respirator should be worn.

9) PHYSICAL AND CHEMICALS PROPERTIES

Appearance, Odour and Colour: White-off white coloured opaque suspension. Mild characteristic odour.

pH : 5.0 – 7.0 (as supplied)

Specific Gravity: 1.03-1.07

Melting Point: Not applicable

Solubility (water): Suspension

Flash Point: No data

Boiling Point: Approximately 100°C at 100kPa

Vapour Pressure: No data

Vapour Density: No data

Percent Volatiles: No data

Flammability Limits: **UFL:** Not determined
LFL: Not determined

Autoignition Temperature: Not applicable – does not burn.

Partition co-efficient, n-octanol/water No data



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10) STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use and storage.
Conditions to avoid:	Protect this product from sunlight.
Incompatible materials :	Strong acids, strong bases, strong oxidising agents..
Hazardous decomposition products:	This product is likely to decompose only after heating to dryness, followed by further strong heating. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. May form hydrogen chloride gas, other compounds of chlorine. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.
Hazardous reactions:	Stable under recommended storage conditions. No decomposition or hazardous polymerisation reactions if used as directed.

11) TOXICOLOGICAL INFORMATION

Inhalation :	Available data show that this product is harmful. Symptoms may include headache, irritation of nose and throat and increased secretion of mucous in the nose and throat.
Skin contact:	Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be irritating, but is unlikely to cause anything more than mild transient discomfort. Long Term Exposure: No data for health effects associated with long term skin exposure.
Eye contact:	Short Term Exposure: This product may be irritating to eyes, but is unlikely to cause anything more than mild transient discomfort. Long Term Exposure: No data for health effects associated with long term eye exposure.
Ingestion:	Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort. Long Term Exposure: No data for health effects associated with long term ingestion.
<u>Chronic toxicity:</u>	
Mutagenicity:	No evidence of mutagenicity.
Teratogenicity:	No evidence of teratogenicity..



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Reproductive effects:	No evidence of reproductive effects.
Carcinogenicity:	SWA: No significant ingredient is classified as carcinogenic by SWA. NTP: No significant ingredient is classified as carcinogenic by NTP. IARC: No significant ingredient is classified as carcinogenic by IARC.
Organ toxicity:	There is no data to hand indicating any particular target organs.

12) ECOLOGICAL INFORMATION

This product is toxic to bees. Harmful to aquatic organisms, may cause long-term adverse effects to the aquatic environment. This product is not readily biodegradable. However, likely to degrade slowly in the soil or water and not cause long term problems.

Ecotoxicity: **Paclobutrazol:**

Fish toxicity:

LC₅₀ (96 hr) *Oncorhynchus mykiss* (rainbow trout) 27.8 mg/L

Daphnia :

EC₅₀ (48 hr) *Daphnia magna* 33.2 mg/L

Environmental fate, persistence and degradability, mobility The substance has moderate mobility in soil. Absorption depends on soil pH and organic matter content. It has potential for bioaccumulation, however, there is a rapid accumulation from fish (>95% within 3 days). There is no evidence of photodegradation in water or on soil surfaces nor is there evidence of hydrolysis in water. The half life in soil is 6 months to a year. LogPow = 3.2

Identified harmful effects on environment: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Other precautions: Do not contaminate dams, waterways or sewers with this product.

13) DISPOSAL CONSIDERATIONS

This product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used containers. Triple or preferable pressure rinse containers before disposal. Add rinsings to the mixing tank. Do not dispose of undiluted chemical on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.



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14) TRANSPORT INFORMATION

Not subject to the ADG Code when transported by road or rail in Australia in packages 500kg(L) or less; or IBCs, nor by IATA and IMDG/IMSBC when carried by air or sea transport.

15) REGULATORY INFORMATION

Registered under the Agricultural and Veterinary Chemicals Act 1988 (Commonwealth) Australian Pesticides and Veterinary Medicines Authority approval number: 88343

16) OTHER INFORMATION

Date of revision : 17 July 2020

Reason for revision : New product.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

END OF SDS