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Section 1 - Identification of the Material and Supplier

Trade Name: THE ANDERSONS PACLO-PRO 14:0:24 FERTILISER WITH TURF GROWTH REGULATOR

Other Names: Andersons Paclo Pro

Product Use: Fertiliser with turf growth regulator

Supplier: Barmac (a division of Amgrow Australia Pty Ltd)
3/29 Birnie Ave, Lidcombe NSW 2141
Phone: 02 9395 1200 (office hours), Fax: 02 9395 1241
www.amgrow.com.au

Creation Date: May 2017

Poisons Information Centre: Phone 13 1126 from anywhere in Australia

Section 2 - Hazards Identification

Statement of Hazardous Nature

THIS PRODUCT IS CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF SWA.
NOT A DANGEROUS GOOD ACCORDING TO CRITERIA OF ADG, IATA, OR IMDG CODES
SUSMP Classification: Not scheduled

GHS Signal word: WARNING



Eye Irritation – Category 2B
Skin Irritation – Category 2
Reproductive toxicity – Category 2
Specific target organ toxicity (single exposure) – category 3

HAZARD STATEMENT:

H320: Causes eye irritation
H315: Causes skin Irritation
H361: Suspected of damaging fertility or the unborn child
H335: May cause respiratory irritation

PREVENTION

P102: Keep out of reach of children.
P201: Obtain special instructions before use
P202: Do not handle until all safety precautions have been read and understood
P261: Avoid breathing dusts
P264: Wash skin thoroughly after handling.
P271: Use only outdoors or in a well ventilated area
P280: Wear protective gloves, clothing, and eye and face protection

RESPONSE

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
P302+P352: IF ON SKIN: Wash with plenty of soap and water
P332+P313: If skin irritation occurs: Get medical advice/attention
P362+P364: Take off contaminated clothing and wash it before reuse.
P312: Call a POISON CENTRE or doctor if you feel unwell
P304+P340: IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P308+P313 If exposed or concerned: get medical advice/attention.

SAFETY DATA SHEET



a division of Amgrow



STORAGE

P403+P233: Store in a well ventilated place. Keep container tightly closed

P405: Store locked up

DISPOSAL

P501: Dispose of contents and containers as specified on the registered label.

Section 3 - Composition/Information on Ingredients

Ingredient	CAS No	Conc. (%)
Potassium Sulfate (sulphate of potash)	7778-80-5	55-60
Ureas mixed	various	30-35
Limestone (Ca Carbonate + Mg Carbonate)	471-34-1 + 1317-65-3	5-10
Paclobutrazol	76738-62-0	0.5-1.0

Section 4 - First Aid Measures

General Information: You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: Remove source of contamination or move victim to fresh air. Keep comfortable for breathing. Call Poisons centre or doctor if symptoms persist

Skin Contact: Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10-20 minutes or until product is removed.

Eye Contact: Flush contaminated eye(s) with lukewarm, gently flowing water for 15 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.

Ingestion: If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Fire decomposition products When heated to decomposition, this product will emit toxic oxides, sulfides and ammonia.

Extinguishing Media: Water fog or fine spray, foam, dry chemical

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade. Fire fighters to wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA).

Auto ignition temperature: Not relevant

Flammability Class: Not relevant

Section 6 - Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses and keep personnel away. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. 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.

Section 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.

SAFETY DATA SHEET



a division of Amgrow



Storage: 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.

Section 8 - Exposure Controls and Personal Protection

Exposure Limits TWA (mg/m³) STEL (mg/m³) ADI (mg/Kg/day) NOEL (mg/Kg/day)

Calcium Carbonate (Limestone) 10 not set not set not set

Exposure limits have not been set by SWA for any other ingredients in product. The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. There is a blanket limit of 10mg/m³ for dusts or mists when limits have not otherwise been established. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly. ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. Values taken from Australian ADI List, 31st March 2012

Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Ventilation: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used.

Skin Protection: Prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber.

Respirator: A respirator or mask is recommended when using this product.

Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Mixed colour granular solid
Odour:	Slight odour
Boiling Point:	Not relevant
Melting Point:	Not relevant
Flash Point:	Not flammable
Volatiles:	Not relevant
Specific Gravity:	approx 1.002
Water Solubility:	Soluble
pH:	No data
Volatility:	Not relevant
Odour Threshold:	No data.
Evaporation Rate:	Not relevant
Auto ignition temp:	No data

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions.

Conditions to Avoid: Heat, dust accumulation, fire

Incompatibilities: Strong oxidising agents, acids and alkalis.

Fire Decomposition: Toxic oxides, sulfides and ammonia

Section 11 - Toxicological Information

Target Organs: There is no data to hand indicating any particular target organs.

Toxicity: For the active ingredient Paclobutrazol only:

LD50 (Oral, rat) 1300 mg/kg, LD50 (Dermal, rat) > 1000mg/kg

Potential Health Effects

Inhalation: Available data shows that this product is harmful if inhaled.

Skin Contact: Available data shows that this product may cause skin irritation.

Eye Contact: This product may cause irritation to eyes

SAFETY DATA SHEET



Ingestion: Harmful if swallowed

Carcinogen Status:

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.

Section 12 - Ecological Information

Long term degradation products may arise. Products of degradation are not expected to be hazardous

Section 13 - Disposal Considerations

Disposal: Special help is available for the disposal of Agricultural Chemicals. The product label will give general advice regarding disposal of small quantities, and how to cleanse containers. However, for help with the collection of unwanted rural chemicals, contact ChemClear 1800 008 182 <http://www.chemclear.com.au/> and for help with the disposal of empty drums, contact DrumMuster <http://www.drummuster.com.au/> where you will find contact details for your area.

Section 14 - Transport Information

ADG: Considered exempt (AU01) from classification as Dangerous Goods by the criteria of the Australian dangerous goods Code 7 (ADG) for the transport by Road and Rail in packaging including IBCs.

IMDG/ IATA: Not Classified as Dangerous Goods according to the criteria of the International Maritime Dangerous Goods Code (IMDG) by sea and the International Air Transport Association (IATA) Dangerous Goods Regulations for the transport by air.

Section 15 - Regulatory Information

AICIS: All of the significant ingredients in this formulation are compliant with AICIS regulations.

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail	IMSBC	International Maritime Solid Bulk Code
AIIC	Australian Inventory of Industrial Chemicals	NOHSC	National Occupational Health and Safety Commission
ASCC	Australian Safety & Compensation Council	NTP	National Toxicology Program (USA)
CAS number	Chemical Abstracts Service Registry Number	R-Phrase	Risk Phrase
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters	SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
IARC	International Agency for Research on Cancer	SWA	Safe Work Australia (formerly ASCC and NOHSC)
IATA	International Air Transport Authority	UN Number	United Nations Number
IMDG	International Maritime Dangerous Good		

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 MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (July 2020)

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