

Infosafe No™ 3NUAK	Issue Date : August 2017	ISSUED by NUFARMNZ
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 Product Name **PAYBACK**

1. Identification

GHS Product Identifier	PAYBACK
Product Code	04283
Product Type	Plant Growth Regulator
Company Name	Nufarm NZ
Address	6 Manu Street, Otahuhu Auckland 2024 New Zealand
Telephone/Fax Number	Tel: 0-9-270 4150 Fax: 0-9-270 4159
Emergency phone number	0800 651 911
Email	info@nz.nufarm.com
Recommended use of the chemical and restrictions on use	A growth regulator for cherries, apricots, peaches, nectarines, avocados (Hass) and turf.
Other Information	This SDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

2. Hazard Identification

Other Information	6.1D acute toxicant, 6.3B skin irritant, 6.4A eye irritant, 6.8B reproductive or developmental toxicant, 6.9B target organ toxicant, 9.1C aquatic toxicant, 9.3C terrestrial vertebrate toxicant, TOXICITY Harmful - may be harmful if swallowed, inhaled or absorbed through the skin. May cause eye irritation or mild skin irritation. May cause reproductive/development damage or liver damage from repeated oral exposure. ECOTOXIC Harmful to aquatic life with long-lasting effects.
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3. Composition/information on ingredients

Chemical Characterization	Liquid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Paclobotrazol	76738-62-0	250 g/L
	Ingredients determined to be non-hazardous	-	10-30 %
	Water	7732-18-5	>60%

4. First-aid measures

First Aid Measures	For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Begin artificial respiration if the victim is not breathing. Use mouth-to-nose rather than mouth-to-mouth. Obtain medical attention.
Inhalation	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Ingestion	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.
Skin	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.
Eye contact	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance. Remove contact lenses, if present and easy to do.
First Aid Facilities	Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

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Advice to Doctor Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.
Water fog, foam, carbon dioxide or dry chemical.

Hazards from Combustion Products On burning will emit toxic fumes.

Special Protective Equipment for fire fighters Full protective clothing and self-contained breathing apparatus.

Specific Methods Keep up wind. Do not allow washings to reach sewage or effluent systems.

Specific hazards arising from the chemical Considered low risk due to water content, however upon evaporation of water the product is combustible.

Other Information Location Certificate: Not applicable
Hazardous Atmosphere Zone: Not applicable
Number of Fire Extinguishers: Not applicable

6. Accidental release measures

Spills & Disposal Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with sand, soil or absorbent granules. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill.

Personal Protection For appropriate personal protective equipment (PPE), refer Section 8.

Environmental Precautions Prevent from entering drains, waterways or sewers.

7. Handling and storage

Precautions for Safe Handling Avoid skin and eye contact and inhalation of spray mist.
APPROVED HANDLER: Not applicable
TRACKING: Is not required
RECORD KEEPING: Not applicable
This product must not be applied onto or into water.

Conditions for safe storage, including any incompatibilities Keep out of reach of children.
Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs. Storage must be in accordance with NZS 8409 Management of Agrichemicals.
Stores containing 1,000L of PAYBACK require secondary containment and are subject to signage, and more than 1,000L require emergency response plans.

Other Information Always read the label and any attached leaflet before use.
Aggregate Storage Volume Thresholds:
When stored with substances of the same hazard classification the aggregate quantity must be considered. For full details refer to the current NZS8409 Management of Agrichemicals and the HSNO Regulations.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.

Appropriate engineering controls Handle in well ventilated areas, generally natural ventilation is adequate.

Personal Protective Equipment When opening the container, preparing spray and using the prepared spray wear safety goggles, waterproof gloves, cotton overalls buttoned to the neck and wrist, and boots.

Hygiene Measures Do not eat, drink or smoke while using.
Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work. Wash splashes of concentrate from skin immediately.

9. Physical and chemical properties

Form Liquid

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Appearance	Beige liquid
Odour	Odourless
Solubility in Water	Disperses in water.
Specific Gravity	1.08
Flash Point	Not flammable
Other Information	(SC) Suspension Concentrate

10. Stability and reactivity

Chemical Stability	Stable under normal conditions of handling and storage.
Other Information	Non corrosive

11. Toxicological Information

Toxicology Information	No specific toxicological data is available for this product. Data below is for constituents.
Acute Toxicity - Oral	LD50 (male mice) 490 mg/kg for paclobutrazol
Acute Toxicity - Inhalation	LC50 (4h) (female rat) 3.13 mg/l for paclobutrazol
Reproductive Toxicity	Reproductive studies indicate that paclobutrazol produces embryo/foetotoxic effects at maternally toxic doses, only.
Chronic Effects	Chronic studies using paclobutrazol in rats and dogs have shown liver effects (increased liver weights) in animals fed 12.5 and 75mg/kg/day, respectively. Irritating.
Serious eye damage/irritation	
Skin corrosion/irritation	Mild skin irritant.
Subchronic/Chronic Toxicity	Teratology - Rat: Maternal NOEL = 100mg/kg/day for paclobutrazol Target organ: Hepatotoxicity/alimentary system (liver) LOAEL (rat) 12.5 mg/kg bw/day for paclobutrazol
Other Information	The Australian Acceptable Daily Intake (ADI) for paclobutrazol for a human is 0.01 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 1.4 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: Comm. Dept. of Health and Ageing, Office of Chemical Safety, 'ADI List', December 2014).

12. Ecological information

Persistence and degradability	Yes
Basis for Assessment	Ecotoxicological data have not been determined specifically for this product. Data below is for the active ingredient unless otherwise stated.
Acute Toxicity - Fish	LC50 (96hr) for bluegill sunfish is 23.6 mg/l for paclobutrazol
Acute Toxicity - Daphnia	EC50 (48hr) for daphnia magna is >29.0 mg/l for paclobutrazol.
Acute Toxicity - Algae	EC50 (96h) for selenastrum capricornutum 41.5 mg/l for paclobutrazol.

13. Disposal considerations

Product Disposal	Dispose of product only by using according to the label, or at an approved landfill.
Container Disposal	Triple rinse empty container and add rinsate to spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.

14. Transport information

Transport Information	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
Storage and Transport	Not classified as Dangerous Goods for transport in New Zealand.
Other Information	Do not carry more than 1L of PAYBACK on a passenger service vehicle.

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Segregation: Check the latest Land Transport Rule Dangerous Goods Rule 45001 for additional information. Sea transport may require additional segregation. Refer NZS5433 sea segregation for details.

15. Regulatory information

National and or International Regulatory Information	Registered pursuant to the ACVM Act 1997, No. P3270 See www.foodsafety.govt.nz for registration conditions Approved pursuant to the HSNO Act 1996, Approval Code HSR000779 See www.epa.govt.nz for approval controls.
Packaging & Labelling	HARMFUL - keep out of reach of children
Hazard Rating	NFPA/HMIS: 2-1-1
Hazard Category	HARMFUL * ECOTOXIC - Keep out of reach of children

16. Other Information

Date of preparation or last revision of SDS	August 2012
Contact Person/Point	IN AN EMERGENCY, DIAL 111 - FIRE OR POLICE 24Hr Tollfree Emergency No: 0800 651 911 24Hr Emergency No: National Poisons Centre Phone: 0800 764 766
Revisions Highlighted	5 yearly review carried out. Various changes and updates made to document. ...End Of MSDS...

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