

SAFETY DATA SHEET

Section 1: Identification

Product Identifier:	PRIMO HG Turf Growth Regulator
Other Means of Identification:	Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. <i>Applicable only for marine and air transport</i> Product code: A25249A
Recommended Use:	Turf growth regulator
Details of manufacturer or importer	Syngenta Australia Pty Ltd ABN 33 002 933 717
Address:	Level 1, 2 Lyonpark Road MACQUARIE PARK NSW 2113 AUSTRALIA
Website:	syngenta.com.au
Phone Number:	(02) 8014 5200
Emergency Phone Number:	24 hours - 1800 033 111

Section 2: Hazards identification

Classification of the Hazardous Chemical:	Skin sensitisation: Category 1 Specific target organ toxicity (repeated exposure): Category 2
Signal Word:	Warning
Hazard Statement(s):	H317 May cause an allergic skin reaction. H373 May cause damage to the gastrointestinal tract through prolonged or repeated exposure.
Precautionary statements	Prevention: P260 Do not breathe mist, vapours or spray. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves. Response: P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P314 Get medical attention if you feel unwell. P333+P313 If skin irritation or rash occurs: Get medical attention. P362+P364 Take off contaminated clothing and wash before reuse. Disposal: P501 Dispose of contents/container to an approved waste disposal plant.
Hazard Symbols:	

Section 3: Composition and information on ingredients

MIXTURE		
Chemical Identity of Ingredients:	CAS No	Proportion (%w/w)
Trinexapac-ethyl	95266-40-3	>= 10 -< 20
other ingredients determined not to be hazardous	secret	to 100

Section 4: First aid measures

Description of Necessary First Aid Measures:		In case of poisoning by any exposure route get to a doctor or hospital quickly. Phone Poisons Information Centre on 131 126. Have the product label or SDS with you when calling or going for treatment.
	Ingestion:	If swallowed, seek medical advice immediately and show this container or label. DO NOT induce vomiting.
	Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.
	Skin contact:	Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.
	Inhalation:	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or Poison Information Centre immediately.
Symptoms Caused by Exposure: Poisoning symptoms in laboratory animals were non-specific.		
Medical Attention and Special Treatment: Treat symptomatically.		

Section 5: Fire fighting measures

Suitable Extinguishing Equipment:	Small fires: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. DO NOT use a solid water stream as it may scatter and spread fire. Large fires: Use alcohol resistant foam or water spray. DO NOT use a solid water stream as it may scatter and spread fire
Specific Hazards Arising from the Chemical:	As this product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion. Combustion or thermal decomposition will evolve toxic and irritant vapours. Exposure to decomposition products may be a hazard to health.
Special Protective Equipment and Precautions for Fire Fighters:	When fighting a major fire wear full protective clothing and self contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.
Hazchem:	•3Z

Section 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures:	In case of spillage it is important to take all steps necessary to • Avoid eye and skin contact • Avoid contamination of waterways
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and Materials for Containment and Clean Up:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents. Retain and dispose of contaminated wash water.

Section 7: Handling and storage

Precautions for Safe Handling:	Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well-ventilated area. Keep containers sealed when not in use. Prevent the build-up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene i.e., washing hands prior to eating, drinking, smoking or using toilet facilities. Avoid exposure. Do not handle until all safety precautions have been read and understood.
Conditions for Safe Storage, Including any Incompatibilities:	Store in a cool, dry, well-ventilated area, out of direct sunlight. Protect from freezing. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

Section 8: Exposure controls and personal protection

ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

Exposure Limits:	Exposure limits have not been established by SafeWork Australia for any of the significant ingredients in this product.			
Component	CAS No.	Exposure limit	Value type	Basis
trinexapac-ethyl	95266-40-3	5 mg/m ³	TWA	Syngenta
Biological Limit Values:	No biological limit allocated			
Engineering Controls:	THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THE PRODUCT. FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL. Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. Maintain air concentrations below occupational exposure standards. Where necessary, seek additional occupational hygiene advice.			

Personal Protective Equipment:	The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should comply with relevant national standards
Respiratory protection	Respiratory protective equipment is not normally required when using the prepared product.
Hand protection	Wear protective gloves if prolonged skin contact is likely as skin irritation may occur. Material: Nitrile rubber, butyl rubber or neoprene Break through time: > 480 min Glove thickness: 0.5 mm Remarks: The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Eye protection	Eye protection such as protective glasses or goggles is recommended during use when the potential for inadvertent eye contact with the product may occur.
Skin and body protection	Protective clothing is not normally required when using this product unless prolonged exposure is likely to occur. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Remove and wash contaminated clothing before re-use.

Section 9: Physical and chemical properties

Appearance:	Clear yellow liquid	Boiling Point:	Not available
Odour:	No odour	Freezing/Melting Point:	Not available
pH:	3.00-3.44 at 25°C	Solubility in water:	Disperses in water
Vapour Pressure:	Not available	Specific gravity:	0.99 at 25°C
Vapour Density:	Not available	Density:	0.99 g/cm ³
Flash Point:	94.4°C	Explosive Properties:	Not explosive
Upper and Lower Flammable (Explosive) Limits in Air:	Not available	Oxidising Properties:	Not oxidising
Auto Ignition Temperature:	Not available	Combustibility:	Combustible liquid C1
Min. Ignition energy	Not available	Corrosiveness:	Not available

Section 10: Stability and reactivity

Reactivity:	No hazardous reactions by normal handling and storage.
Chemical Stability:	Stable at normal ambient temperature and pressure.
Possibility of Hazardous Reactions:	No hazardous reactions by normal handling and storage. Hazardous polymerisation will not occur.
Conditions to Avoid:	No decomposition if used as directed.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	Combustion may result in the release of carbon monoxide and carbon dioxide.

Section 11: Toxicological information

Health Effects from Likely Routes of Exposure:

Acute toxicity

Oral toxicity:	<i>Product:</i> Acute oral LD₅₀ (rat): >3,129 mg/kg <i>Trinexapac-ethyl:</i> Acute oral LD₅₀ (rat): 4,460 mg/kg
Dermal toxicity:	<i>Product:</i> Acute dermal LD₅₀ (rat): >5,000 mg/kg <i>Trinexapac-ethyl:</i> Acute dermal LD₅₀ (rat): >4,000 mg/kg
Inhalation:	<i>Product:</i> Acute inhalation LC₅₀ (rat), 4h: >2.12 mg/L <i>Trinexapac-ethyl:</i> Acute inhalation LC₅₀ (rat), 4h: >5.69 mg/L
Skin irritation:	Not a skin irritant.
Eye irritation:	Minimally irritating.
Sensitisation:	Product not considered a skin sensitiser. <i>Trinexapac-ethyl:</i> Did not cause skin sensitisation (mouse, local lymph node assay).

Chronic toxicity

Mutagenicity:	Trinexapac-ethyl did not show mutagenic or genotoxic effects in animal experiments.
Carcinogenicity:	Trinexapac-ethyl did not show carcinogenic effects in animal experiments that were relevant to human exposure.
Reproductive and Developmental toxicity:	Trinexapac-ethyl did not show reproductive or developmental toxicity effects in animal experiments that were relevant to human exposure..

Specific Target Organ Toxicity (STOT) - single exposure:	The substance or mixture is not classified as specific target organ toxicant, single exposure.
Specific Target Organ Toxicity (STOT) - repeated exposure:	The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2. May cause damage to the gastrointestinal tract through prolonged or repeated exposure.
Aspiration hazard:	Not an aspiration hazard.

Section 12: Ecological information

Ecotoxicity	<i>Toxicity to fish:</i> <i>Trinexapac-ethyl:</i> <i>Oncorhynchus mykiss</i> (rainbow trout): LC₅₀: 68 mg/L, 96 h <i>Toxicity to daphnia and other aquatic invertebrates:</i> <i>Trinexapac-ethyl:</i> <i>Americamysis:</i> LC₅₀: 6.5 mg/L, 96 h <i>Toxicity to algae:</i> <i>Trinexapac-ethyl:</i> <i>Raphidocelis subcapitata</i> (freshwater green alga): ErC₅₀: 24.5 mg/L, 96 h <i>Myriophyllum spicatum</i> (Eurasian watermilfoil): ErC₅₀: 1.2 mg/L, 14 d
Persistence and Degradability:	<i>Trinexapac-ethyl:</i> <i>Water:</i> Degradation half life: 3.9 - 5.5 d Remarks: Product is not persistent. <i>Soil:</i> Dissipation time: < 0.2 d Percentage dissipation: 50 % (DT₅₀) Remarks: Product is not persistent.
Mobility in soil:	<i>Trinexapac-ethyl:</i> Moderately mobile in soils.
Bioaccumulative Potential:	<i>Trinexapac-ethyl:</i> Does not bioaccumulate. Partition coefficient (n-octanol/water): log Pow: -2.1 (25°C)
Other adverse effects:	
Results of PBT and vPvB assessment (product):	This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Section 13: Disposal considerations

Disposal Methods:	
Waste from residues:	Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.
Contaminated packaging:	Dispose of empty container by wrapping in paper, placing in a plastic bag and putting in garbage.

Section 14: Transport information

LAND TRANSPORT ADG	Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to the Australian Code for the Transport of Dangerous Goods (ADG). This applies when transported by road or rail in packagings that do not incorporate a receptacle exceeding 500 kg(L) or IBCs per ADG Special Provision AU01.		
UN Number:	3082	Packing Group:	III
UN Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, N.O.S.	Special Precautions for User:	None allocated
Transport Hazard Class:	9	Hazchem or Emergency Action Code:	•3Z
Subsidiary Risk:	None allocated		

SEA TRANSPORT IMDG			
UN Number:	3082	Packing Group:	III
UN Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, N.O.S.	EmS Code:	F-A S-F
Transport Hazard Class:	9	Environmental hazards for Transport Purposes:	Marine pollutant
Subsidiary Risk:	None allocated		

AIR TRANSPORT IATA - DGR			
UN Number:	3082	Packing Group:	III
UN Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, N.O.S.	Packing instruction (cargo aircraft):	964
Transport Hazard Class:	9	Packing instruction (passenger aircraft):	Y964
Subsidiary Risk:	None allocated	Environmentally hazardous:	Yes

Section 15: Regulatory information

APVMA Product Number:	94862
Poisons Schedule (SUSMP):	5

Section 16: Any other relevant information

Date of preparation or last revision:	1 September 2025
Source of Data: The information provided in this SDS is sourced from Syngenta internal studies which have been conducted according to Regulatory requirements including OECD and CIPAC Guidelines and EC Directives. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.	
Note: Use this product in accordance with the container label directions	
CONTACT POINT: Regulatory & Stewardship Manager, Syngenta Australia Pty Ltd (02) 8014 5200	

24 HOURS EMERGENCY CONTACT: 1800 033 111

This Safety Data Sheet 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 how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

DISCLAIMER

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.

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