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TRICLON 600 HERBICIDE

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Identifier	TRICLON 600 Herbicide
Active Constituent	600 g / L TRICLOPYR present as butoxyethyl ester
Other means of Identification	Agricultural herbicide. GROUP I HERBICIDE Grow Choice product code number: 600 AVPMA registered number: 53792
Recommended use of the chemical and restrictions on due	For the control of various woody and broadleaf weeds as specified in the Directions for Use table on the label.
Suppliers name, address and phone number:	Grow Choice Pty Ltd 113 Fitzroy Street TAMWORTH NSW 2340 Phone: 02 6766 3979 1800 817 676 Fax: 02 6766 2922 Email: admin@growchoice.com.au
Emergency phone number:	In Case Of Emergency Dial 000
Poisons Information Centre	Phone: 13 11 26 and speak to a Poisons Information Specialist. Fax: +61 2 9845 3597 http://www.chw.edu.au/poisons/contact.htm

SECTION 2: HAZARDS IDENTIFICATION (continued on page 2)

- Classified as **HAZARDOUS** in accordance with the *Approved Criteria for Classifying Hazardous Substances* [NOHSC: 1008(2004) 3rd Edition] and the Globally Harmonized System of Classification and Labelling of Chemicals (the GHS).
- Considered non-dangerous for road and rail transport by the Australian Code for the Transport of Dangerous Goods Road and Rail (August 2014 edition)
- Considered **DANGEROUS** for transport by sea and air in accordance with the IMDG Code 37-14 (refer Section 14)

Summary of Hazardous Identifications	IMDG UN number: 3077 Poisons Schedule number: S6
Classification of the hazardous chemical	Acute Toxicity - Oral: Category 4 Sensitization - Skin: Category 1 Eye Damage/Irritation: Category 2A Flammable Liquids: Category 4

GHS symbol



Signal word

WARNING

General Precautionary Statements.

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

Hazard Statements

H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H227 Combustible liquid

Prevention Statements	<p>P264 Wash hands and exposed skin thoroughly after handling.</p> <p>P273 Avoid release to the environment.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P280 Wear protective eye and face protection.</p> <p>P261 Avoid breathing spray.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p>
Response Statements	<p>P330 Rinse mouth.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/attention.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P391 Collect spillage.</p>
Storage Statements	Refer Section 7
Disposal Statements	P501: Dispose of contents and container in accordance with local, regional and national regulations.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical ingredients:	Component	CAS No	Proportion
CAS number and other unique identifiers:	Triclopyr (present as the butoxyethyl ester)	64700-56-7	600 g/L
Concentration of ingredients:	Balance non-hazardous ingredients		

SECTION 4: FIRST AID MEASURES

Inhalation	Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.
Ingestion	If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
Skin	Remove contaminated clothing and launder before re-use. Wash affected areas thoroughly with soap and water.
Eye	Seek medical advice, but only after the exposed skin has been thoroughly washed. If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice.
First Aid Facilities	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.
Advice to Doctor	Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES (continued on page 3)

This product is classified as a C1 combustible product. There is a slight risk of an explosion from this product if it is involved in a fire.

Suitable extinguishing media	Water fog, foam, carbon dioxide or dry chemical.
Specific hazards arising from the chemical	If involved in a fire, it will emit oxides of carbon, oxides of nitrogen, hydrogen chloride and possibly phosgene. Fire decomposition products from this product may form toxic and corrosive mixtures in confined spaces. Vapours from this product are heavier than air and may

accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids.

Materials to avoid

Strong oxidising agents

Special protective equipment and precautions for fire fighters

If a significant quantity of this product is involved in a fire, call the fire brigade. Immediately evacuate the area of unnecessary personnel. When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and respirator. All skin areas should be covered.

Emergency action in case of fire

If exposed to fire, keep container cool by spraying with water.

Other Information

STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Environmental precautions

In case of spillage it is important to take all steps necessary to:
Instruct and ensure all bystanders to keep away from and upwind of spill/leak.
Avoid eye and skin contact;
Do not breath dust;
Ensure adequate ventilation;
Avoid contamination of waterways.
Refer to Section 8 for Personal Protection Equipment (PPE).

Methods and materials for containment and cleaning up

Reposition any leaking containers so as to minimise leakage.
Dam and absorb spill with an absorbent material (e.g. sand or soil) or proprietary absorbent such as vermiculite.
Shovel the absorbed spill into drums.
Collect in a suitable, closed container to dispose and clean the spilled area with water.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Safe work practices are recommended.
Avoid contact with eyes and skin.
When opening the container and preparing spray wear appropriate PPE (refer Section 8).
Do not spray under high wind conditions.

Hygiene measures:

When using products, do not eat, drink or smoke.
Contaminated work clothing should not be allowed out of the workplace.
Wash hands thoroughly with soap and water after use and before eating, drinking, smoking/using tobacco, chewing gum, using the toilet or applying cosmetics.
After each day's use, wash gloves, face shield or goggles and contaminated clothing.
Avoid contact with eyes and skin.

Conditions for safe storage, including any incompatibilities:

Keep out of reach of children, unauthorised persons and animals.
Store in tightly sealed original containers in a dry secure place away from fertilizers, feed and food.
Store out of direct sunlight and extreme temperature.
Always read the label and any attached leaflet before use.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION (continued on page 4)

Exposure Information

EU. exposure standards for triclopyr are TWA 67.5mg/m³, STEL 101.2 mg/m³.

Engineering Controls

Handle in well ventilated areas, generally natural ventilation is adequate. Control process conditions to avoid contact. Use in a well-ventilated area only. Use local exhaust ventilation to

keep exposure levels below the exposure limits above. Keep stored in original container in a cool, well ventilated area, keeping the lid closed at all-times whilst in storage.

**Hygiene Measures
And Personal Protective
Equipment**

When opening the container, preparing the spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow length PVC chemical resistant and face shield or goggles.

When using the prepared spray cotton overalls buttoned to the neck and wrist and a washable hat and optional once chemical is prepared for use, elbow length PVC chemical resistant and face shield or goggles if protected from spray drift/contamination.

Face and Eye Protection: Face shield or goggles.

Clothing: Cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat.

Gloves: Elbow-length chemical resistant PVC gloves.

Respiratory: If airborne concentrations are likely to exceed the exposure standards above or if exposed to dust, an AS/NZS 1715/1716 approved respirator should be worn.

Recommended to use Australian and New Zealand Standard PPE:

Overalls AS 3765, Clothing for protection against Hazardous chemicals

Gloves: AS/NZS 2161, Industrial safety gloves and mittens (not electrical and medical gloves)

Goggles and face shield AS/NZS 1337, Eye protectors for industrial applications.

Footwear AS/NZS 2210, Occupational protective footwear

Respirators AS NZS 1715 Selection,

Use and Maintenance of Respiratory Protective Devices: AS/NZS 1716, Respiratory Protective Devices

**Requirements
Concerning Special
Training**

Check State and/or Territory regulations that require people who use pesticides in their job or business to have adequate training in the application of the materials.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Appearance	Amber liquid
Solubility in Water	Disperses in water.
Specific Gravity	1.21
pH Value	4-6 (1% in water)
Vapour Pressure	0.48 mPa (triclopyr butoxyethyl ester)
Flash Point	95°C
Flammability	Combustible C1.

SECTION 10: STABILITY AND REACTIVITY (continued on page 5)

Chemical stability	Product is considered stable under normal conditions and storage.
Conditions to avoid	Keep away from strong oxidising agents as product may react violently.
Incompatible materials and possible hazardous reactions	Strong acids and bases
Hazardous decomposition products	Hazardous polymerization is not possible.

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation	High vapour concentrations of the solvent while handling the concentrate are irritating to the eyes and the respiratory tract.
Ingestion	Ingestion of the concentrate in relatively large amounts can result in headache, nausea, lethargy, motor weakness and incoordination.
Skin	May irritate the skin. May cause sensitisation by prolonged skin contact.
Eye	Will irritate the eyes.
Chronic Effects	Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects
Mutagenicity	Data indicates no mutagenic effects.
Carcinogenicity	Triclopyr has been assessed in animals and some data exists that triclopyr is a substance which causes some concern for humans owing to possible carcinogenic effects from long term exposure, but in respect of which the available information is not adequate for making a satisfactory assessment.
Acute Toxicity – Oral	LD50 (rat) 803 mg/kg for triclopyr butoxyethyl ester
Acute Toxicity - Dermal	LD50 (rabbit) >2000 mg/kg for triclopyr butoxyethyl ester
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >4.8 mg/l for triclopyr butoxyethyl ester
Eye Irritation	Moderate eye irritant
Skin Irritation	Mild to moderate skin irritant
Skin Sensitisation	Prolonged and repeated skin contact may result in skin sensitisation
Other Information	The Australian Acceptable Daily Intake (ADI) for triclopyr for a human is 0.005 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.5 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 and Environmental Health, 'ADI List', June 2014).

SECTION 12: ECOLOGICAL INFORMATION

Known Harmful Effects on the Environment -	The following is data for the active ingredient, triclopyr as the butoxyethyl ester.
Acute Toxicity - Fish	LC50 (96hr) for the most sensitive species tested is 0.31 mg/l.
Acute Toxicity - Daphnia	LC50 (48hr) for daphnia is 0.66 mg/l for triclopyr butoxyethyl ester.
Acute Toxicity - Algae	EC50 (48hr) for algae is 0.193 mg/l.
Acute Toxicity - Other Organisms	Bees: Not toxic to bees. LD50 >100 µg/bee. LD50 for bobwhite quail is 735 mg/kg for triclopyr butoxyethyl ester
Persistence Degradability	Triclopyr butoxyethyl ester is rapidly hydrolysed to triclopyr acid in soil and water. Triclopyr acid is degraded by microbial action and photodecomposition. Triclopyr acid, in soil, has a half-life of approximately forty days, depending on soil and climatic conditions. In water, triclopyr acid will decompose rapidly with a half-life of one to two days. Minimal leaching of triclopyr acid may occur in light soils under high rainfall conditions. Contamination of ground water by triclopyr is highly unlikely. If used according to the label, Triclon 600 will not be harmful to the environment.
Environment Protection	Spray drift can cause damage, read the label for more information. Marine pollutant.
Other Precautions	Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of product	On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).
Disposal of Container	Do not use this container for any other purpose. Triple rinse containers; add rinsate to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. drumMUSTER is the national program for the collection and recycling of empty, cleaned, non-returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMUSTER symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, puncture or shred and bury containers in 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.

SECTION 14: TRANSPORT INFORMATION

Transport Information	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
Land	Considered non dangerous for road and rail transport (in packaging, including IBCs not greater than 3000 Lt each) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01. For bulk shipments as Class 9, use UN 3082, Hazchem code 2Z.
Sea	Considered DANGEROUS for transport by sea and air in accordance with the IMDG Code 37- UN Number 3077 Class 9 (Miscellaneous Dangerous Goods) IMO Maine Pollutant: Marine Pollutant Packing Group III Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Triclopyr) Hazchem Code: 2Z HIN 90

SECTION 15: REGULATORY INFORMATION

Poisons Schedule	S6
Packaging & Labelling	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Other Information	This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA approval number: 53792

SECTION 16: ANY OTHER RELEVANT INFORMATION

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.

Date of Review This Safety Data Sheet (SDS) was completed 21 January 2017 and replaces MSDS dated 02/08/2010

end of SDS

DISCLAIMER:

This SAFETY DATA SHEET has been developed according to the Work Health and Safety Regulations (WHS Regulations) Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals December 2011. The data, information and recommendations herein ("information") are represented in good faith and believed to be correct as of the date hereof. The purpose of this SAFETY DATA SHEET is to describe product in terms of their safety requirements. Grow Choice Pty Ltd makes no representation of merchantability, fitness for a particular purpose of application, or of any other nature with respect to the information or the product to which the information refers ("the product"). The information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purpose prior to the use of the product. The physical data shown herein are typical values based on the material tested. These values should not be construed as a guaranteed analysis of any specific lot or as guaranteed specification for the product or specific lots thereof. Due care should be taken to make sure that the use or disposal of this product and/or its packaging is in compliance with relevant Federal, State and Local Government regulations.