



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Pantera Selective Herbicide
Other Names: Quizalofop-P-tefuryl
Product Codes: None allocated
Recommended Use: For the control of various grasses in broadleaf crops
Chemical Family: Phenoxy acids-propionics
Supplier: Chemtura Australia Pty Ltd
ABN: 005 225 507
Street Address: Level 7, 435 King William Street
Adelaide South Australia 5000
Telephone Number: 61 8 8112 0900
Facsimile Number: 61 8 8112 0999
Emergency Telephone: **1800 033 111 (24-hour service)**

2. HAZARDS IDENTIFICATION

Hazard Classification: **HAZARDOUS SUBSTANCE, NON-DANGEROUS GOOD**
Classified according to the criteria of the National Occupational Health and Safety Commission (NOHSC).

Risk Phrases: **Harmful (Xn)**
R 22 Harmful if swallowed

Safety Phrases: None allocated

Poisons Schedule: S6

Dangerous Goods Class: Not a dangerous good.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Identity	Common Name(s) and Synonym(s)	CAS Number	Proportion by Weight
Quizalofop-p-tefuryl	Quizalofop-p-tefuryl	119738-06-6	10-<30% (120 g/L)

Note: Australian and US Patents apply.

4. FIRST AID MEASURES

Ingestion: Seek immediate medical advice. Contact Poison Information Centre

Inhalation: Remove patient to fresh air. - Avoid becoming a casualty. If effects persist, seek medical advice.

Eye Contact: Hold eye(s) open and flush with water for at least 15 minutes. Seek medical advice.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing and laundry before re-use. If irritation occurs, seek medical advice.

First Aid Facilities: Eye wash station.

Additional Information: If poisoning occurs contact a doctor or Poison Information Centre. Phone Australia 131 126; New Zealand 03 4747 000.

Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing: Water spray & dry chemical. Contain runoff.

HPAN034AU – Pantera Selective Herbicide

Media:	
Hazards from Combustion Products:	Combustible: In case of fire protect against inhalation of combustions products. On combustion, there is production of oxides of nitrogen and hydrochloric acid gas. Keep away from sources of ignition of heat.
Precautions for Fire fighters and Special Protective Equipment:	In case of fire, wear full protective clothing and self-containing apparatus.
HazChem Code:	None allocated
Additional Information:	None allocated

6. ACCIDENTAL RELEASE MEASURES

Methods and Materials for Containment and Clean-Up Procedures:	SPILLS : Wear protective equipment as outlined above. Absorb onto inert material. Transfer into secure containers for proper disposal. Prevent entry into waterways, drains or confined areas. Do not reuse container for any purpose. If there is contamination of crops or waterways, advise emergency services or State Department of Agriculture.
	DISPOSAL: For disposal after intended use: Triple or preferably, pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals 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 500 mm 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. For disposal after spill or accident: Dispose of sealed containers at an approved local waste disposal site.

7. HANDLING AND STORAGE

Precautions for Safe Handling:	Refer to part 8.
Conditions for Safe Storage:	Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT store tank-mixes of Pantera with other materials. When storing, keep from contact with fertilisers, fungicides and seeds.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standards:	None allocated for this material by the National Occupational Health and Safety Commission. However, the manufacturers of the solvent have recommended a TLV of 100 ppm (TWA) as total hydrocarbon.
Biological Limit Values:	Not applicable
Engineering Controls:	Ensure ventilation is adequate. Keep containers closed when not in use.
Personal Protective Equipment (PPE):	Avoid personal contact. When using, do not eat, drink or smoke. Wear cotton overall buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves, face shield and disposable face mask. In the absence of adequate ventilation, use a respiratory fitted with an agricultural chemical cartridge(s). After use and before eating, drinking, smoking or using the toilet, wash hands, arms and face thoroughly with soap and water. Launder clothing and other protective equipment before storing or re-using.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark brown liquid
Odour:	Aromatic hydrocarbon odour
pH:	Not available
Boiling Point:	<0°C
Melting Point:	179-209°C
Vapour Pressure (@ 25°C):	6 x 10 ⁻⁸ mmHg for active ingredient
Vapour Density:	>1
Specific Gravity (Water = 1):	0.954
Decomposition Temp:	Not available
Flashpoint:	>65°C

10. STABILITY AND REACTIVITY

Conditions to Avoid:	Keep away from sources of ignition of heat.
Hazardous Decomposition Products:	On combustion, there is production of oxides of nitrogen and hydrochloric acid gas.
Polymerisation:	Not available

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Swallowed: May be harmful Acute oral LD50 (rat) - > 1012 mg/kg (Quizalofop-p-tefuryl)
Acute Health Effects:	Eye: Mild irritant Skin: Prolonged contact of the concentrate with skin can result in defatting of the skin which could lead to secondary dermatitis. Inhaled: May cause respiratory irritation if inhaled. Care should be taken to avoid inhalation of spray mists. Acute inhalation LC50 - > 4.8 mg/L (rat) (4 hour)
Chronic Health Effects:	Long term feeding studied with large daily doses have indicated that effects on the liver can occur

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Do not spray in high winds. Do not contaminate dams, waterways or sewers with pesticide or sued containers.
Additional information:	Do not use this container for any other purpose. Wash out the container and dispose of it in an approved manner.

13. DISPOSAL CONSIDERATIONS

Disposal Method(s):	For disposal after intended use: Triple or preferably, pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals 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 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. For disposal after spill or accident: Dispose of sealed containers at an approved local waste disposal site.
Precautions for Landfill or Incineration:	Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

UN Number:	None allocated.
UN Proper Shipping Name:	None allocated
DG Class & Subsidiary Risk:	Not a dangerous good
Packing Group:	None allocated.
EPG/GTEPG:	Not applicable.
Special Precautions for User:	None allocated
HazChem Code:	None allocated.

15. REGULATORY INFORMATION

Poisons Schedule:	S6
Additional Information:	APVMA Product No. 55028

16. OTHER INFORMATION

Date of Preparation:	April, 2006
Revision Date:	August, 2008
Revision Number:	1

Revision Summary:

Rev 1 - Update of Chemtura contact details

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~END OF SAFETY DATA SHEET~