

## MATERIAL SAFETY DATA SHEET

**STATEMENT OF HAZARDOUS NATURE:**  
Hazardous according to the criteria of NOHSC

**COMPANY DETAILS:**

Syngenta Crop Protection Pty Limited  
ABN 33 002 933 717  
140-150 Bungaree Rd.,  
PENDLE HILL, NSW, 2145

Telephone No.: (02) 9688 0444  
24 Hours Emergency No.: 1 800 033 111

### IDENTIFICATION

**PRODUCT NAME:** Flowable GESAGARD<sup>®</sup> 500 SC Liquid Herbicide

<b>Formulation type:</b>	suspension concentrate (ie flowable aqueous suspension)	<b>Dangerous Goods Class/ and Subsidiary Risk (ADG):</b>	none allocated
<b>Active Ingredient:</b>	Prometryn	<b>Hazchem Code:</b>	none allocated
<b>Product Code No.:</b>	R-450/150/6	<b>Packing Group:</b>	none allocated
<b>Chemical type:</b>	Triazine	<b>Poisons Schedule:</b>	5
<b>UN Number:</b>	none allocated		

**USE:** Controls early competing weeds in carrots, chickpeas, potatoes and other crops as specified in the Directions for Use Table.

**PHYSICAL DESCRIPTION/PROPERTIES**

<b>Appearance:</b>	Light grey liquid	<b>Flash point:</b>	>100°C
<b>Odour:</b>	Non-specific	<b>Flammability:</b>	Non-flammable
<b>Vapour pressure:</b>	< 0.6 mPa	<b>Behaviour in water:</b>	Suspensible
<b>Specific gravity:</b>	1.12 (20°C)	<b>Viscosity:</b>	400-800 cps

**OTHER PROPERTIES**

<b>Explosive properties:</b>	Non explosive	<b>Oxidising properties:</b>	Non-oxidising
<b>Thermal sensitivity:</b>	Not sensitive	<b>Combustibility:</b>	Non-combustible
<b>Self-heating properties:</b>	Not self-heating	<b>Volatility:</b>	Non-volatile

**INGREDIENTS**

	CAS No.	Content (%w/v)
<b>Prometryn (technical grade)</b>		>50
to give prometryn	7287-19-6	50
Propylene glycol	57-55-6	<10
Polyaryl phenol ethoxylated glycol phosphoric acid triethanolamine salt	18254-13-2 107-21-1	<10
Alkyl phenol alkylene oxide condensate		<10
Other ingredients determined not to be hazardous		30-<60

### HEALTH HAZARD INFORMATION

**HEALTH EFFECTS**

**ACUTE**

**Toxicity** - This product is moderately hazardous (WHO Class II)

Swallowed: **LOW TOXICITY**  
Tests on rats indicate a low toxicity following a single dose of a similar undiluted product.  
(LD<sub>50</sub> > 2,360 mg/kg)

Dermal absorption: **MODERATE TOXICITY**  
Tests on rats indicate a moderate toxicity due to skin contact with a similar undiluted product.  
(LD<sub>50</sub> > 2,150 mg/kg)

Inhaled: **LOW TOXICITY**  
Tests on rats indicate a low toxicity due to inhalation of a similar undiluted product.  
(LC<sub>50</sub> (4 h) > 215 mg/m<sup>3</sup>, no toxic concentration attainable)

**Irritation** (Based on studies with rabbits)  
Eye: **SLIGHT IRRITANT**  
Skin: **SLIGHT IRRITANT**

**Skin Sensitisation** (Based on studies with guinea pigs using the active ingredient)  
**NOT A SENSITISER**

**CHRONIC** (Active Ingredient)

**Prometryn technical** has been extensively tested on laboratory mammals and in test-tube systems. No evidence of mutagenic, teratogenic or reproductive effects was obtained.

## FIRST AID

In case of poisoning by any exposure route contact a doctor or Poisons Information Centre. Phone 131 126.

Swallowed: If more than 15 minutes from a hospital, induce vomiting preferably using Ipecac Syrup (APF).  
Eye: If product gets in eyes, wash it out immediately with water.  
Skin: Remove contaminated clothing and wash affected areas thoroughly with soap and water.  
Inhaled: Move affected person to fresh air and keep at rest until recovered.

## ADVICE TO DOCTOR

No specific antidote exists. Treat symptomatically.

# PRECAUTIONS FOR USE

**ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS**

## EXPOSURE STANDARDS

No exposure standards have been set for the components of this product.

**Exposure Potential** - Swallowing is unlikely under normal conditions of usage. Significant skin uptake does not occur. Inhalation is a possible route of exposure. This product is diluted with water prior to use as a spray. This diluted form is less toxic by all routes of exposure.

**Re-entry Period** - Do not enter treated areas without protective clothing until the spray has dried.

## ENGINEERING CONTROLS

No special requirements. Product is used outdoors.

## PERSONAL PROTECTION

Avoid contact with eyes and skin. Do not inhale spray mist. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

## FLAMMABILITY

This product is NON-FLAMMABLE and non-combustible.

# SAFE HANDLING INFORMATION

## STORAGE AND TRANSPORT

Store in tightly sealed original containers in a dry secure place away from fertilisers, feed and food. Store out of direct sunlight. Keep out of reach of children, unauthorised persons and animals.

## SPILLS AND DISPOSAL

In case of spillage it is important to take all steps necessary to:

- Avoid eye and skin contact.
- Avoid contamination of waterways.

**Procedure for spill:**

- (1) Keep all bystanders away.
- (2) Wear full length clothing and PVC gloves.
- (3) Reposition any leaking containers so as to minimise further leakage.
- (4) Dam and absorb spill with an absorbent material (e.g. sand or soil).
- (5) Shovel the absorbed material into drums.
- (6) Disposal of the absorbed material will depend upon the extent of the spill.
  - For quantities up to 50L of product bury in a secure landfill site.
  - For quantities greater than 50L seek advice from the manufacturer (use emergency contact number below) before attempting disposal. Contain in a secure location until disposal method is established.
- (7) Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.

**Dispose of empty, used containers by:**

- (a) Triple rinsing or preferably pressure rinsing with water. Add the rinsings to the spray tank. Do not dispose of undiluted chemicals on site.
- (b) If recycling, replace cap and return clean containers to recycler or designated collection point.
- (c) 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.

**FIRE/EXPLOSION HAZARD**

This product is non-flammable, non-explosive and non-combustible. Extinguish warehouse or factory fires using fine water spray or foam. Do not allow fire-water to enter drains.

**OTHER INFORMATION**

**Prometryn technical** has low toxicity to birds, ( $LC_{50} > 500$ ppm for mallard ducks) and is toxic to fish [ $LC_{50}$  (96h) rainbow trout = 2.5 mg/L]. Prometryn is non-toxic bees.

**Note:** This product is a registered agricultural chemical and must therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Federal health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

<b>CONTACT POINT:</b> Regulatory Affairs Manager - Crop Protection - (02) 9688 0444 <b>24 HOURS EMERGENCY CONTACT: 1 800 033 111</b>
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This Material 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 MSDS 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.

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