



## MATERIAL SAFETY DATA SHEET

Page 1 of 4  
Date of Issue 15 April 2004  
MSDS No. 1042

### STATEMENT OF HAZARDOUS NATURE

Classified as hazardous according to the criteria of Worksafe Australia.

### COMPANY DETAILS

Company Scotts Australia Pty. Ltd.  
Address 11 Columbia Way, Baulkham Hills, NSW, 2153  
Telephone Number (02) 8853 7300  
Fax (02) 8853 7310  
Emergency Telephone Number Australia: 1800 033 111  
New Zealand: 0800 734 607

### IDENTIFICATION

Product Name **Concentrate Roundup® PowerMAX Weedkiller**  
Other Names Glyphosate  
Manufacturers Product Code 199380  
UN Number **None allocated**  
Dangerous Goods Class Not a Dangerous Good  
Sub-Risk Class -  
Packaging Group -  
Hazchem Code -  
Poisons Schedule S5  
Uses Non-selective herbicide for the control of many annual and perennial weeds.

### Physical Description /Properties

Appearance & Odour Dark blue viscous liquid with no odour  
Melting point/softening point N/A  
Boiling Point >105°C  
Vapour Pressure N/A  
Flashpoint >90°C TCC  
Flammability Limits N/A  
Solubility in Water Soluble  
PH  
Incompatibility Do not mix, store or apply the product or spray solutions of the product in galvanized steel or unlined steel (except stainless steel) containers or spray tanks.  
Specific Gravity 1.35 @ 20°C  
Bulk density  
Volatile Proportion  
Corrosiveness Hazardous polymerization will not occur.  
Non-corrosive to stainless steel, polyethylene and plastics. Corrosive to mild steel, galvanized steel and zinc.

### Ingredients

Ingredient	Chemical Name	CAS Number	Proportion
Active ingredients	Glyphosate (present as Potassium salt)	1071-83-6	540g/L

## CONCENTRATE ROUNDUP POWERMAX WEEDKILLER

Page 2 of 4  
Date of Issue 15 April 2004  
MSDS No 1042

Inerts	Surfactant Water	Not disclosed 7732-18-5	~10% w/v Balance
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### HEALTH HAZARD INFORMATION

#### Health Effects

##### *Acute*

##### Swallowed

The concentration is mildly harmful by ingestion. Acute oral toxicity is very low. LD50 (rat) for a similar formulation is 5000mg/kg. Quantity swallowed incidental to normal handling and use is not expected to cause injury. Ingestion may produce gastrointestinal discomfort, nausea, vomiting and diarrhoea. Ingestion of large quantities of the undiluted product may result in hypertension and pulmonary oedema.

##### Eye

The concentrate may cause irritation but permanent damage is not anticipated, prolonged contact with the concentrate may cause damage.

##### Skin

Contact with skin may cause irritation.

##### Inhaled

No adverse respiratory effects are anticipated for this product as the vapour pressure of the active ingredient is very low and the solvent is water. When applying the product as a spray avoid breathing in spray mists. Some temporary irritation may be experienced.

##### *Chronic*

Chronic Over Exposure: Insufficient data are available to allow satisfactory documentation of effects.

#### First Aid

##### Swallowed

If poisoning occurs contact a doctor or Poisons Information Centre 13 11 26. Never give fluids or induce vomiting to a person who is unconscious or having convulsions. If swallowed DO NOT induce vomiting. Give a glass of water.

##### Eye

If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

##### Skin

If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water. If irritation persists seek medical advice.

##### Inhaled

Remove affected person to fresh air until recovered. Consult a doctor.

##### First Aid Facilities

If poisoning occurs contact a Doctor or Poisons Information Centre 13 11 26.

##### Advice to Doctor

Treat symptomatically.

## CONCENTRATE ROUNDUP POWERMAX WEEDKILLER

Page 3 of 4  
Date of Issue 15 April 2004  
MSDS No 1042

### PRECAUTIONS FOR USE

Exposure Standards	No exposure standards have been set for this product.
Engineering Controls	When used in the field no special engineering controls are required.
Personal Protection	The concentrate will irritate the skin and may irritate the eyes. Avoid contact with eyes and skin. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, elbow length PVC or nitrile gloves and face shield or goggles. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, face shield or goggles and contaminated clothing. Avoid breathing in spray mist.
Flammability	Not a combustible liquid; product is a water based solution.

### SAFE HANDLING INFORMATION

Storage and Transport	<p>Not classified as a dangerous good for storage and transport. No proper shipping allocated.</p> <p>Store in the closed, original container in a dry well ventilated area out of direct sunlight. Store in a safe place away from foodstuffs, seeds or fertilizers so that cross contamination cannot occur. Store out of reach of children.</p>
Spills and Disposal	<p>Contain spill and absorb with sand or proprietary absorbent (vermiculite).</p> <p>Prevent from entering drains, waterways or sewers.</p> <p>Collect in sealed open-top containers for disposal.</p> <p>Final clean-up with degreasing agent or detergent is advised.</p> <p>Triple rinse empty containers and add rinsate to the spray tank.</p> <p>Puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. On-site disposal of the concentrate is not acceptable.</p>
Fire/Explosion Hazard	<p>The product is not flammable. If involved in a fire, use extinguishing agent suitable for the material on fire.</p> <p>Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide and/or any Class B extinguishing agent. None required but use water spray to cool containers or personnel threatened by fire.</p> <p>Special Fire Fighting Procedures: Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.</p> <p>Keep upwind.</p> <p>Unusual Fire and Explosion Hazard: This product, or spray solutions of this product, may react with galvanized steel or unlined steel (except stainless steel) containers and tanks, to produce hydrogen gas which may form a highly combustible gas mixture.</p>

## CONCENTRATE ROUNDUP POWERMAX WEEDKILLER

Page 4 of 4  
Date of Issue 15 April 2004  
MSDS No 1042

### OTHER INFORMATION

Environmental Protection Moderately toxic to fish and other aquatic species (mainly due to surfactant).  
Not toxic to birds.  
Not toxic to bees.  
Do not re-use container for any purpose.  
Non Returnable containers; See disposal below.  
Glyphosate is strongly absorbed by soil and therefore becomes practically immobile.  
Microbial activity is the major cause of soil degradation with liberation of carbon dioxide. Half-life is typically 47 days.  
Do NOT spray in high winds.  
Spray drift can cause damage.  
Do NOT contaminate dams, waterways or sewers with pesticide or used containers.  
Do NOT use this container for any other purpose.  
Glyphosate is a non-selective contact herbicide

Animal Toxicity Data For similar formulation:  
Acute oral LD50 (rats) >5,000mg/kg  
Acute percutaneous LD50 (rabbits) >5,000mg/kg  
Irritation to skin: moderately irritating  
Irritation to eye: slightly irritating  
Toxicity to fish: moderately toxic  
Acute LC50 (96hr) – bluegill sunfish: 5.8 – 14mg/L  
- rainbow trout: 8.2 – 26mg/L  
- (96hr) TL50 carp: 19.7ppm  
Toxicity to bees: Not toxic  
Oral LD50: >100 microgram/bee  
Toxicity to birds: Not toxic  
For glyphosate:  
Acute LD50 for bobwhite quail: >3850mg/kg  
The Australian Acceptable Daily Intake (ADI) of glyphosate for a human is 0.3mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 30mg/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, 'ADI List', TGA, Sept 2002).

APVMA Registration No. 56862

### CONTACT POINT

Emergency Response for Transport and Exposure Scotts Australia Pty Ltd  
Australia: 1800 033 111 11 Columbia Way  
New Zealand: 0800 734 607 Baulkham Hills NSW 2153  
Phone (02) 8853 7300  
Fax (02) 8853 7310