



Infosafe No™ LQ1ER Issue Date : July 2012 ISSUED by SCOTTS AU

Product Name : **CONCENTRATE ADVANCE ROUNDUP WEEDKILLER**

Classified as hazardous

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** CONCENTRATE ADVANCE ROUNDUP WEEDKILLER  
**Company Name** SCOTTS AUSTRALIA PTY LTD  
**Address** Level 2,  
32 Lexington Drive, Bella Vista  
NSW 2153 Australia  
**Emergency Tel.** 1800 033 111  
**Telephone/Fax Number** Tel: (02) 8602 9000  
Fax: (02) 8602 9001  
**Recommended Use** Water soluble herbicide for non-selective control of many annual and perennial weeds. Use in aquatic environments.

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** Classified as hazardous  
HAZARDOUS SUBSTANCE.  
NON-DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.  
**Risk Phrase(s)** Classified as hazardous  
R36/37/38 Irritating to eyes, respiratory system and skin.  
**Safety Phrase(s)** S27 Take off immediately all contaminated clothing.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Isopropylamine salt of glyphosate	38641-94-0	30-40 %		
	2-Aminopropane	75-31-0	0-2 %	Xi	R36/37/38
	Ingredients determined not to be hazardous.		Balance		

## 4. FIRST AID MEASURES

**Inhalation** If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.  
**Ingestion** Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.  
**Skin** Remove contaminated clothing. Wash affected area thoroughly with soap and water. Wash contaminated clothing before re-use or discard. Seek medical attention.  
**Eye** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.  
**First Aid Facilities** Eye wash fountain, safety shower and normal washroom facilities.  
**Advice to Doctor** Treat symptomatically.  
**Other Information** For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Use carbon dioxide, dry chemical, foam, water mist or water spray.  
**Hazards from Combustion Products** Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide, carbon dioxide, oxides of nitrogen and oxides of phosphorus.  
**Specific Hazards** This product is non combustible. However heating can cause expansion or decomposition leading to violent rupture of containers.



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**Precautions in connection with Fire** Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Wear appropriate personal protective equipment and clothing to minimise exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** 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. Avoid inhalation of vapours and mists, and skin or eye contact. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

**Conditions for Safe Storage** Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations.

**Handling Temperatures Recommended Materials** Maximum storage temperature: 50°C  
Minimum storage temperature: 0°  
Keep in original packaging

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** No exposure value assigned for this material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Substance	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
2-Aminopropane	5	12	10	24	-

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

**Biological Limit Values** No biological limits allocated.

**Engineering Controls** Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

**Respiratory Protection** If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

**Eye Protection** Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection** Wear gloves of impervious material e.g: rubber gloves. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.



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**Body Protection** Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Liquid  
**Odour** Slight  
**Melting Point** Not available  
**Boiling Point** Not available  
**Solubility in Water** Soluble  
**Specific Gravity** 1.17  
**pH Value** 4.6 (approximate) 8% solution  
**Vapour Pressure** Not available  
**Vapour Density (Air=1)** Not available  
**Colour** Green  
**Volatile Component** 50% (approximate) water is volatile material.  
**Flash Point** Does not flash  
**Flammability** Non combustible  
**Auto-Ignition Temperature** Not available  
**Flammable Limits - Lower** Not available  
**Flammable Limits - Upper** Not available  
**Other Information** Log Pow: -3.2 at 25°C (Glyphosate)

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions of storage and handling.  
**Conditions to Avoid** Extremes of temperature and direct sunlight.  
**Incompatible Materials** Galvanised steel and unlined mild steel  
**Hazardous Decomposition Products** Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon monoxide, carbon dioxide, oxides of nitrogen and oxides of phosphorus.  
**Hazardous Reactions** Reacts with incompatible material to produce hydrogen gas, an extremely flammable gas that poses and explosion hazard.

## 11. TOXICOLOGICAL INFORMATION

**Toxicology Information** No toxicity data available for this material. The available acute toxicity data for similar formulations are listed below.  
**Inhalation** Irritating to respiratory system. Inhalation of product vapours will cause irritation of the nose, throat and respiratory system.  
**Ingestion** Ingestion of this product may irritate the gastric tract causing nausea and vomiting.  
**Skin** Irritating to skin. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.  
**Eye** Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.  
**Chronic Effects** Prolonged or repeated skin contact may cause defatting leading to dermatitis.  
**Acute Toxicity - Oral** Similar formulations (Isopropyl amine salt of Glyphosate):  
LD50 (Rat): >5000 mg/kg



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Acute Toxicity - Dermal Similar formulations (Isopropyl amine salt of Glyphosate): LD50 (Rat): >5000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity Ecological data is given below.
Persistence / Degradability Not available
Mobility N-(phosphonomethyl)glycine in product absorbs strongly to soil.
Bioaccumulative Potential No significant bioaccumulation is expected for N-(phosphonomethyl)glycine in product.
Environ. Protection Prevent this material entering waterways, drains and sewers.
Acute Toxicity - Fish LC50 (Rainbow trout): 1080 mg/L/96h
Acute Toxicity - Daphnia EC50 (Daphnia magna): 488 mg/L/48h

13. DISPOSAL CONSIDERATIONS

Disposal Considerations The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations

14. TRANSPORT INFORMATION

Transport Information Road and Rail Transport (ADG Code): Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).
Marine Transport (IMO/IMDG): Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
Air Transport (ICAO/IATA): Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
IMDG Marine Pollutant (MP) No

15. REGULATORY INFORMATION

Regulatory Information Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
Poisons Schedule S5
Hazard Category Irritant

16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS created: July 2012
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