Infosafe No™ LQ29E	Issue Date :April 2013	ISSUED by SINOCHEM

Product Name : **ROUNDUP ULTRA MAX HERBICIDE**

Classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name ROUNDUP ULTRA MAX HERBICIDE

Product Type Group M Herbicide

Company Name SINOCHEM INTERNATIONAL AUSTRALIA PTY LTD (ABN 74 160 164 616)

Address Level 8 / 606 St Kilda Road Melbourne
Vic 3004 Australia

Emergency Tel. Australia: 1800 033 111 or +61 3 9663 2130

Telephone/Fax Number Tel: +61 3 9520 8888

Recommended Use Non selective herbicide for the control of many annual and perenial weeds as per the Directions for Use table on the label.

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
R41 Risk of serious damage to eyes.

Safety Phrase(s) S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 Wear eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Liquid

Ingredients

Name	CAS	Proportion	Hazard Symbol	Risk Phrase
Glyphosate (present as the potassium salt)	1071-83-6	570 g/L		
Other ingredients (considered non-hazardous)		10-30 %		
Water		10-30 %		

4. FIRST AID MEASURES

Inhalation If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.

Ingestion Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.

Skin Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

Eye If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

First Aid Facilities Eyewash 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) or a doctor at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing media that are suitable for the surrounding combustible materials.

Hazards from Combustion Products Keep upwind.
This product, or spray solutions of this product, react with galvanised steel or unlined steel (except stainless steel) containers and tanks, to produce

Specific Hazards	hydrogen gas which may form a highly flammable or explosive gas mixture. If involved in a major fire, could evolve oxides of nitrogen or phosphorus. This product is non-combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn. As a water based product, if spilt on electrical equipment the product will cause short-circuits.
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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure standards have been established for this material by Safe Work, Australia. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels. As with all chemicals, exposure should be kept to the lowest possible levels.
Biological Limit Values	No biological limits allocated.
Engineering Controls	Provide sufficient ventilation to keep airborne levels as low as possible. 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, goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material e.g. PVC. 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.
Personal Protective Equipment	
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

Form	Liquid
Appearance	Viscous liquid
Odour	Slight ammonia odour.
Melting Point	Not available
Boiling Point	>105°C
Solubility in Water	Soluble in water.
Specific Gravity	1.38 (at 20°C)
pH Value	4.5
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Colour	Dark blue
Flash Point	Not available
Flammability	Non combustible material.
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

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	Corrosive to mild steel, galvanised steel and zinc.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.
Hazardous Reactions	Avoid contact of the concentrate with strong alkalis and alkaline materials such as lime.
Hazardous Polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data available for this product.
Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	May be irritating to skin. The symptoms may include redness, itching and swelling.
Eye	Risk of serious damage to eyes. Eye contact will cause stinging, blurring, tearing, severe pain and possible permanent corneal damage.
Chronic Effects	Prolonged or repeated skin contact may cause defatting leading to dermatitis.
Acute Toxicity - Oral	LD50 (rat) >5000 mg/kg for a similar formulation
Acute Toxicity - Dermal	LD50 (rabbit) >5000 mg/kg for similar formulation

12. ECOLOGICAL INFORMATION

Ecotoxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Persistence / Degradability	Average field half life of glyphosate is 47 days.
Mobility	Adsorption studies indicate that glyphosate has very low mobility.
Bioaccumulative Potential	Not available
Environ. Protection	Do not discharge this material into waterways, drains and sewers.
Acute Toxicity - Daphnia	EC50 (48hr) for daphnia magna is 8.0 mg/l.
Acute Toxicity - Algae	NOEL for algae is >1 mg/l for glyphosate
Acute Toxicity - Other Organisms	The following data is for the active ingredient, glyphosate. Birds: Not toxic to birds. LD50 for bobwhite quail is >3850 mg/kg Bees: Not toxic to bees. LD50 >100 µg/bee.

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. Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Poisons Schedule	S5
Hazard Category	Irritant
AICS (Australia)	The listed chemicals are included in Australian Inventory of Chemical Substances (AICS) or otherwise notified under NICNAS.
Other Information	This product is registered with the Australian Pesticides and Veterinary Medicines Authority. APVMA Product Number: 68506

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Reviewed: April 2013 MSDS Supersedes: February 2012
Literature References	Standard for the Uniform Scheduling of Medicines and Poisons. Approved criteria for classifying hazardous substances [NOHSC:1008(2004)]. National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011(2003)]. Australian Code for the Transport of Dangerous Goods by Road & Rail. Model Work Health and Safety Regulations, Schedule 10: Prohibited

carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia.

American Conference of Industrial Hygienists (ACGIH).
...End Of MSDS...