



Product Name: Sharp Shooter Weed Killer 360 Glyphosate Concentrate

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This revision issued: July 2014

SECTION 1 - IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

Ausgro Technologies Pty Ltd

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Trade Name: Sharp Shooter Weed Killer 360 Glyphosate Concentrate
Product Use: A Home garden herbicide for the control of weeds and grasses.
Creation Date: July, 2014
Revision Date: July, 2015

Section 2 - Hazards Identification

Based on available information, not classified as hazardous according to criteria of Safe Work Australia; NON-HAZARDOUS SUBSTANCE.

Not subject to the provisions of the Australian Dangerous Goods Code when transported by road and rail since receptacles of 500L or less for UN No.3082 are exempt from the conditions of the code.

Poisons Schedule: S5 Caution.

Section 3 - Composition/Information on Ingredients

Components / CAS Number	Concentration (g/L)	Risk Phrases
Glyphosate 1:1 isopropylamine salt 38641-94-0	360 g/L	R 51/53
Water	to 100%	

Section 4 - First Aid Measures

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764766) or a doctor.

Inhalation: Remove victim from area of exposure - avoid becoming a casualty. Seek medical advice if effects persist.

Skin Contact: If skin contact occurs, remove contaminated clothing and wash skin with soap and water. If irritation occurs, seek medical advice.

Eye Contact: If in eyes, wash out immediately with water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice and show this MSDS.

Ingestion: Rinse mouth with water. If swallowed, give a glass of water to drink. Seek medical advice.

Medical attention and special treatment: Treat symptomatically.

Section 5 - Fire Fighting Measures

Hazards from combustion products: Non-combustible material.

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Precautions for fire fighters and special protective equipment: Not combustible, however following evaporation of the water component of the material, the residual material can burn if ignited. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable Extinguishing Media: Not combustible, however, if material is involved in a fire use: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

Section 6 - Accidental Release Measures

Methods and materials for containment and clean up: Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers. If contamination of sewers or waterways has occurred advise local emergency services.

Section 7 - Handling and Storage

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

Conditions for safe storage: Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Store away from foodstuffs. Keep containers closed when not in use - check regularly for leaks.

Precautions for safe handling: Keep out of reach of children. Avoid skin and eye contact and breathing in vapour, mists and aerosols .

Section 8 - Exposure Controls and Personal Protection

Occupational Exposure Limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission.

Engineering controls: Natural ventilation should be adequate under normal use conditions.

Personal Protective Equipment: 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.

Section 9 - Physical and Chemical Properties:

Physical state: Liquid

Colour: Blue/Green

Odour: Minimal

Solubility: Miscible with water.

Specific Gravity: 1.17

Relative Vapour Density (air=1): N Av

Vapour Pressure (20 °C): N Av

Flash Point (°C): N App

Boiling Point/Range (°C): N Av

pH: N App

Evaporation Rate: N Av

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Section 10 - Stability and Reactivity

Chemical stability: Stable under normal conditions of use.

Conditions to avoid: Avoid contact with foodstuffs.

Incompatible materials: Incompatible with oxidising agents.

Hazardous decomposition products: Oxides of carbon. Oxides of nitrogen.

Hazardous reactions: Hazardous polymerisation will not occur.

Section 11 - Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: Swallowing can result in nausea, vomiting, diarrhoea, and abdominal pain.

Eye contact: May be an eye irritant.

Skin contact: Contact with skin may result in irritation. May cause skin sensitisation in sensitive individuals. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Inhalation: Breathing in mists or aerosols may produce respiratory irritation.

Long Term Effects: No information available for the product.

Toxicological Data: No LD50 data available for the product. However, for constituent(s)

GLYPHOSATE - ISOPROPYLAMINE (1):

Oral LD50 (rat): >5000 mg/kg.

Dermal LD50 (rabbit): >5000 mg/kg.

SKIN: Non-irritant (rabbit).

EYES: Mild irritant (rabbit).

Section 12 - Ecological Information

Ecotoxicity: Toxic to aquatic organisms. Risk of bioaccumulation in an aquatic species is low.

Log Octanol/Water Partition

Coefficient:

-5.4

48hr LC50 (Daphnia magna): 24-37 mg/L.

96hr LC50 (rainbow trout): >8.2-26 mg/L.

96hr LC50 (bluegill sunfish): >5.8-14 mg/L.

96hr LC50 (catfish): 16 mg/L

96hr LC50 (fathead minnow): 97 mg/L

Terrestrial toxicity: Harmless to terrestrial species.

Section 13 - Disposal Considerations

Disposal: Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed.

Section 14 - Transport Information

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Road and Rail Transport: Not subject to the provisions of the Australian Dangerous Goods Code when transported by road and rail since receptacles of 500L or less for UN No.3082 are exempt from the conditions of the code.

Marine Transport: Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.



UN No: 3082

Class-primary: 9 Miscellaneous Dangerous Goods

Packing Group: III

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (GLYPHOSATE 36%)

Air Transport: Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods

Regulations for transport by air; DANGEROUS GOODS.

UN No: 3082

Class-primary: 9 Miscellaneous Dangerous Goods

Packing Group: III

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (GLYPHOSATE 36%)

Section 15 - Regulatory Information

Classification: Based on available information, not classified as hazardous according to criteria of Safe Work Australia; NON-HAZARDOUS SUBSTANCE.

Poisons Schedule: S5 Caution.

This product is registered in Australia by the Australian Pesticides & Veterinary Medicines Authority (APVMA).

Section 16 - Other Information

(1) In: 'The Pesticide Manual'. 13th Edition. Ed. CDS Tomlin. British Crop Protection Society, 2003.

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS	Australian Inventory of Chemical Substances
CAS number	Chemical Abstracts Service Registry Number
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOHSC	National Occupational Health and Safety Commission
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
UN Number	United Nations Number

THIS MSDS 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 MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

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IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]