

SAFETY DATA SHEET

KIWICARE®

Product Name: **Weed Weapon Glyphosate 360**

Print/View Date: 29/06/2022

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	Weed Weapon Glyphosate 360
Recommended uses:	Herbicide: spray concentrate mix with water prior to use.
Restrictions on Use/Supply:	This substance must not be applied at rates exceeding 20ml per 10m ² (nominally 20ml/L). Prevent spray drift as it may cause severe damage to non-target plants.
Molecular Formula:	Mixture
Supplier:	KiwiCare Corporation Limited
Street Address:	225 Maces Road, Bromley, Christchurch, 8062 New Zealand
Postal Address:	P.O Box 15050, Aranui, Christchurch, 8643 New Zealand
Telephone	+64 3 389 0778
Email:	info@kiwicare.co.nz
Website:	www.kiwicare.co.nz
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

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2. HAZARDS IDENTIFICATION

GHS Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
Aquatic Chronic 2			Warning	H411	P103 P273	P391	No storage statements	P501

Signal word:

WARNING

Dangerous Goods:

Dangerous Goods (Class 9)

Packaging Group:

III

Hazardous Substance (GHS) Codes: Aquatic Chronic Cat. 2

Pictograms:



Hazard Statement:

H411: Toxic to aquatic life with long-lasting effects

Precautionary Statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P273: Avoid release to the aquatic environment.

P391: Collect spillage

P501: Rinse container and dispose to landfill or recycling where allowed. Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017. Do NOT burn.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Clear amber liquid

Ingredients

Ingredients	CAS #	Content %
Glyphosate as the isopropyl amine salt	38641-94-0	35 – 37%
Non specified non-hazardous ingredients	NA (Mixture)	to 100 %

4. FIRST AID MEASURES

General information: In case of accident, or if you feel unwell, seek medical advice (show the label where possible).

Ingestion: Rinse mouth. If feeling unwell seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

Eye Contact: Not expected cause eye irritancy. If in eye, rinse opened eye for several minutes under running water. If irritation develops seek medical advice.

Skin Contact: Not expected to cause skin irritation. If on skin, wash with soap and water. If you feel unwell seek immediate medical advice.

Inhalation: Unlikely to present an inhalation hazard avoid breathing mist or spray. If breathing problems develop, seek medical advice.

Advice for Medical Doctors: Treat symptomatically.

5. FIRE FIGHTING MEASURES

HAZCHEM code: 2⁺2⁻

Specific Hazards: Non-flammable. Minimise the use of water to prevent environmental contamination.

Suitable Extinguishing Media: Appropriate fire extinguishers are Water, CO₂, Powder or Alcohol resistant foam. Use extinguishing media

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appropriate to the surrounding conditions. Avoid water jet.

Fire Fighting Advice:

Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Bund area with sand or earth to prevent contamination of drains or waterways.

Hazardous Products of Combustion:

Toxic fumes including carbon monoxide (CO) and phosphorous oxides (P_xO_y).

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:

Prevent leakage or spillage if safe to do so.

Minor Spills (Up to 20 kg):

Toxic to the aquatic environment. Contain spill and collect.

Major Spills (more than 20 kg):

Minimise spread. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority.

Collect in an appropriate sealable container for disposal in an approved landfill.

7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid prolonged or repeated contact with skin and eye. Avoid inhaling mist or spray. When handling product in bulk, safety footwear should be worn, and proper handling equipment should be used. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking, or smoking. Clean equipment after use.

Do not contaminate drains, sewers, or waterways.

Conditions for safe Storage including incompatibilities:

Keep out of the reach of children. Store in original container in a cool, dry, ventilated place, away from direct heat of sunlight. Store away from foodstuffs, children, and animals.

Incompatible materials for storage: galvanised steel, unlined mild steel, see section 10.

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Protection against fire and explosion: Keep away from heat sources although the product has no flammability. The product is not explosive.
Keep away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices, November 2020, edition 12-1)

Engineering Controls: This product should only be mixed, contained in, or sprayed by equipment made from stainless steel, fibreglass, plastic, aluminium, brass or copper.

Hand protection: If repeated or prolonged contact wear chemical resistant gloves.

Eye protection: If there is significant potential for contact, wear goggles or face shield.

Body protection: Skin protection not ordinarily required beyond standard issue work clothes.

Respiratory Protection: No special requirement when used as recommended.

General safety and hygiene measures: Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Minimise contact with the skin, eyes, and clothing. Store work clothing separately.

Environmental Exposure Controls: Minimise release to the environment.

Exposure Standards:

Substance	Cas #	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Glyphosate IPA	38641-94-0	Not established	Not established	Not established	Not established

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear amber liquid
Odour:	Faint amine or odourless
Odour Threshold:	No data
pH Value:	4.5-6.8
Melting/freezing point:	No data
Boiling point (range):	>100 °C (glyphosate decomposes before boiling)
Flash Point:	Will not flash
Flammability:	Not applicable
Explosive limits:	Not applicable
Vapour pressure:	0.007 (glyphosate IPA)
Vapour density:	No data
Relative density:	1,170 g/l
Solubility:	Soluble
Partition coefficient:	LogP = -3.2 (low)
Auto-ignition temperature:	Not applicable
Decomposition temperature:	282 °C
Viscosity:	No data

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
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Incompatibility or conditions to be avoid:	Reacts with galvanized steel or unlined mild steel to produce hydrogen, a highly explosive gas that could explode.
Corrosive Properties:	Avoid excessive heating
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

11. TOXICOLOGICAL INFORMATION

Hazard Class:	Aquatic Chronic 2
Acute Toxicity:	Acute oral LD ₅₀ = >5000 mg/kg (rat). Acute dermal LD ₅₀ >2000 mg/kg (rabbit)
Aspiration hazard	Not considered an aspiration hazard
Skin corrosion/irritation:	Not a skin corrosive, unlikely to cause irritation.
Serious eye damage/irritation:	May cause eye irritation
Respiratory or skin sensitisation:	May cause irritation on inhalation of mist, or vapour Not expected to cause skin sensitisation and/or contact dermatitis
Germ cell mutagenicity:	No data available
Carcinogenicity:	In March 2015, IARC classified glyphosate as "probably carcinogenic to humans" (Group 2A).
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific organ toxicity – single exposure:	Not classified
Specific organ toxicity – repeated exposure:	Not classified
Narcotic effects:	No data available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

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12. ECOTOXICITY INFORMATION

Ecological information of substance:	Toxic to aquatic life with long-lasting effects. Do not contaminate waterways, sewers, or drains when using product or packaging. Bluegill sunfish, LC ₅₀ (96 hr) 45 mg/L (A.I.) Water Flea, EC ₅₀ (48 hr) 134 mg/L (A.I.) Not toxic to birds Non-toxic to bees
Bioaccumulation:	The product does not have the potential to bioaccumulate.
Soil Toxicity:	No soil toxicity.

13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation:	Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017. Excess product should be added to a spray container and applied to waste land.
Container Disposal:	Empty containers can be recycled or sent to landfill after triple rinsing (adding rinsing to spray container). DO NOT reuse or burn containers.
Methods of disposal to avoid	Do not empty into streams, surface water or down stormwater system

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number:	3082
Dangerous Goods Class:	Class 9
Hazchem Code:	27

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Packaging Group:	III
Proper Shipping Name:	Environmentally Hazardous Substance, Liquid N.O.S. (Glyphosate 360g/l SL) Marine Pollutant
Segregation:	Not applicable

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR101102
GHS Classifications:	Aquatic chronic 2
HSNO Controls:	Refer to HSR101102
Additional Controls:	Not a tracked substance. Does not require a certified handler certificate. Maximum quantity in a passenger service vehicle - 10-litres. Secondary containment and an emergency response plan required when storing >1,000-litres

16. OTHER INFORMATION

SDS date of preparation: 27 / 04 / 2022

SDS date of revision: 27 / 04 / 2027

All Safety Data Sheets are subject to review and should not be left longer than five years before and update is obtained.

For further information visit the Kiwicare web site, www.kiwicare.co.nz, or contact the supplier of the starting material.

The information in this document should be made available to all who may handle the product. For proper and safe use of this product, please refer to the product label.

This information is based on data believed by Kiwicare Corporation Limited to be accurate at the time of writing. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the materials referred herein

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does so at their own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

Attention is drawn to the application and safety instructions set out on the label. This sheet is not a substitute for safety, hazard or application instructions set out on the label. As Kiwicare Corporation Limited and their distributors have no control over storage or use of this product no liability for accident or damage will be accepted.

Abbreviations:

ADR:	European agreement concerning the international carriage of Dangerous goods by Road
CLP:	Classification Labelling and Packaging
EC:	European Commission
EU:	European Union
GHS:	Global Harmonized System
H Phrase:	Hazard Phrase
HSNO:	Hazardous Substances and New Organisms (1996) Act
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organisation
IMDG:	International Maritime Dangerous Goods
P Phrase:	Precautionary Phrase
RID:	Regulations concerning the International carriage of Dangerous good by rail
STEL:	Short-Term Exposure Limit
TLV:	Threshold Limit Value
TWA:	Time Weighted Average

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