

SAFETY DATA SHEET

KIWICARE®

Product Name: **Weed Weapon Invade Gel**

Print/View Date: 29/06/2022

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	Weed Weapon Invade Gel
Recommended uses:	Ready-to-use Gel herbicide
Restrictions on Use/Supply:	The product must not be applied onto or into water.
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
Eye Irrit.2	Not applicable for the UN RTDG Model Regulations		Warning	H319	P103 ^b P264 P280	P305+P351+P338 P337+P313	No storage statements	P501
Skin Sens.1	Not applicable for the UN RTDG Model Regulations		Warning	H317	P103 ^b P261 P272 P280	P302+P352 P333+P313 P321 P363	No storage statements	P501
Aquatic Chronic 3	Not applicable for the UN RTDG Model Regulations	No pictogram	No signal word	H412	P103 ^b , P273	No response statements	No storage statements	P501

Signal word:

WARNING

Dangerous Goods:

Not a Dangerous Goods

Packaging Group:

Not applicable

Hazardous Substance (GHS) Codes:

Eye Irritation Cat. 2

Skin Sensitisation Cat.1

Aquatic Chronic Cat.3

Pictograms:



Hazard Statement:

H319: Causes serious eye irritation.

H317: May cause an allergic skin reaction.

H412: Harmful 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.

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P103: Read label before use.

P261: Avoid breathing vapours/spray.

P264: Wash hands thoroughly after handling.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P321: Specific treatment refer to the label.

P363: Wash contaminated clothing before reuse.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P333+P313: If skin irritation or rash occurs: Get medical advice/ attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P305+351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Red viscous gel

Ingredients

Ingredients	CAS #	Content %
Glyphosate isopropylamine	38641-94-0	> 10 %
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).

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Ingestion:	Seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Eye Contact:	May cause eye irritancy. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical advice, or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Skin Contact:	May cause skin irritation. Rinse skin with copious amounts of water and wash with soap and water. If you feel unwell seek immediate medical advice.
Inhalation:	Unlikely to present an inhalation hazard. If breathing problems develop, seek medical advice, or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Advice for Medical Doctors:	Treat symptomatically

5. FIRE FIGHTING MEASURES

HAZCHEM code:	Not applicable
Specific Hazards:	None. Minimise the use of water to prevent environmental contamination.
Suitable Extinguishing Media:	Use extinguishing media appropriate to the surrounding conditions.
Fire Fighting Advice:	This product is a gel and is not flammable.
Hazardous Products of Combustion:	No data for the mixture. Glyphosate isopropylamine emits toxic fumes of nitrogen and phosphorus oxides.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
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Minor Spills (Up to 20 kg):	Low environmental hazard. Wear protective clothing. Contain spill and collect.
Major Spills (more than 20 kg):	Wear protective clothing. 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 or incinerate at an authorised installation.

7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin and eye. Avoid inhaling gel. 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. Do not allow product to get wet in storage. Minimum shelf life: 2 years.
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 Standards' below (Workplace Exposure Standards and Biological Exposure November 2020, edition 12-1)
Engineering Controls:	No special requirements when used as recommended.

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Hand protection:	If repeated or prolonged contact wear chemical resistant gloves.
Eye protection:	If there is significant potential for contact, wear dust goggles.
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. Wash contaminated clothing before re-use. Store work clothing separately.
Environmental Exposure Controls:	Minimise release to the environment.

Additional NZ EPA controls:

Code	Section of HSNO Act	Control
Water	77A	This product must not be applied onto or into water.
Application Method	77A	This substance may only be applied using ground-based application methods.
Application Rate	77A	No person may apply this substance at a rate greater than 7.56kg glyphosate isopropylamine per hectare.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red viscous gel
Odour:	Neutral
Odour Threshold:	No data
pH Value:	4.5 – 5.5
Melting/freezing point:	No data
Boiling point (range):	>100°C

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Flash Point:	Will not flash
Flammability:	Not applicable
Explosive limits:	No data
Vapour pressure:	No data
Vapour density:	No data
Relative density:	No data
Solubility:	Soluble in water
Partition coefficient:	No data
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data
Viscosity:	20°C, LV #4 Spindle 12RPM; 10K – 15K cps

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
Incompatibility or conditions to be avoided:	Avoid strong oxidising agents. Avoid heat, sparks, and open flame.
Corrosive Properties:	Not corrosive to eyes or skin.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

11. TOXICOLOGICAL INFORMATION

Hazard Class:	Eye Irrit. 2; Skin Sens. 1.
Acute Toxicity:	Acute oral LD ₅₀ >5000mg/kg (calculated). Acute dermal LD ₅₀ >5000 mg/kg (calculated)

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Aspiration hazard	Unlikely to cause irritation on inhalation of mist/vapour
Skin corrosion/irritation:	Unlikely to cause skin corrosion.
Serious eye damage/irritation:	Can cause serious eye irritation
Respiratory or skin sensitisation:	Can cause skin sensitisation and/or contact dermatitis
Germ cell mutagenicity:	No data available
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific organ toxicity – single exposure:	Not applicable
Specific organ toxicity – repeated exposure:	Not applicable
Narcotic effects:	No data available.

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

12. ECOTOXICITY INFORMATION

Ecological information of substance:	Toxic to aquatic life with long term effects. Do not contaminate waterways, sewers, or drains when using product or packaging. Rainbow trout, LC ₅₀ (96 hr) 45 mg/L Water flea, EC ₅₀ (48 hr) 134mg/L
Bioaccumulation:	This product does not have the potential to bioaccumulate
Soil Toxicity:	No soil toxicity.

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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.
Container Disposal:	Empty containers can be recycled or sent to landfill after cleaning if in compliance with local and national regulations. DO NOT reuse containers. DO NOT burn.
Methods of disposal to avoid	Do not empty down stormwater system

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number:	Not applicable
Dangerous Goods Class:	No restriction for transport.
Hazchem Code:	Not applicable
Packaging Group:	Not applicable
Proper Shipping Name:	Not applicable
Segregation:	Not applicable

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR101117
GHS Classifications:	Eye Irrit.2; Skin Sens.2; Aquatic Chronic 3
HSNO Controls:	Refer to HSR101117
Additional Controls:	None

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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 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

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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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