



SAFETY DATA SHEET

Kiwicare Corporation Limited

225 Maces Road
P.O Box 15050
Bromley
Christchurch
New Zealand
Phone: +64 3 389 0778
Fax: +64 3 389 0669
Email: sales@kiwicare.co.nz
Web: www.kiwicare.co.nz

1. IDENTIFICATION

PRODUCT NAME: INVADE GEL GLYPHOSATE

2. HAZARDOUS IDENTIFICATION

DANGEROUS GOODS CLASS: None
HSNO HAZARD CLASSIFICATION: 6.3A, 6.4B, 9.1B
HAZCHEM CODE: 2X

3. COMPOSITION

CHEMICAL DESCRIPTION:	C.A.S. NUMBER:	PROPORTION:
Glyphosate isopropylamine	38641-94-0	<12 %
Proprietary or non hazardous	-	to 100 %

4. FIRST AID MEASURES

INHALATION

Unlikely to be inhaled but if so can cause irritation of upper respiratory tract. May cause headaches, dizziness and other central nervous system effects. Remove patient to fresh air. If ill effects persist call a doctor.

INGESTION

If poisoning occurs, **do not** induce vomiting. To dilute the ingested product, give affected person one or two glasses of water or milk. Never give an unconscious person anything by mouth. Place in Recovery position. **Obtain medical advice immediately.** Do not leave victim unattended

SKIN CONTACT

Can be absorbed through the skin. Can cause irritation. May result in initial stinging, burning tingling or a rash. Wash affected area with soap and water. Remove and wash any contaminated clothing and wash skin. Prolonged or repeated contact may result in degreasing of the skin and dermatitis. May induce an allergic response in susceptible individuals.



SAFETY DATA SHEET

4. FIRST AID MEASURES - continued

EYE CONTACT

May be severely irritating, characterised by redness, watering and itching. Check for and remove any contact lenses if easy to do so. Do not use an eye ointment. Flush eyes with running water for 15 minutes holding eyelids open if necessary. Seek medical advice.

5. FIRE/EXPLOSION MEASURES

Clear fire area of all non-emergency personnel

Extinguishing media Water spray foam, dry chemical or Carbon Dioxide. Fire fighters should wear a full set of protective clothing, including self-contained breathing apparatus.

Toxic fumes may be emitted including but not limited to, Hydrogen, Hydrogen Chloride, Oxides of Carbon, Phosphorous, and Nitrogen. Under certain conditions other toxic substances such as Cyanic acid and Phosgene may be created. Contain runoff.

6. ACCIDENTAL RELEASE MEASURES

Keep area well ventilated. Floor may be slippery if wet. Eliminate all ignition sources and naked lights. Use non-sparking equipment. Wear protective clothing. Clear area of unprotected personnel.

Contain spill and absorb with Sand, Soil or absorbent granules. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority. Contaminated absorbent and wash water should be disposed of according to local and national regulations.

Collect in an appropriate sealable container for disposal in an approved landfill or incinerated at an authorised installation.

7. HANDLING AND STORAGE

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. Keep container sealed when not in use. Rinse out empty containers and do not use for any other purpose. Do not store in steel or aluminium containers.

All aspects of storage, handling, use and record keeping must be in accordance with NZS 8409-2004 "Management of Agrichemicals" and local and regional council.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Avoid all personal contact. Wear approved mask, overalls, boots, gloves, safety goggles and safety glasses when using. Wash protective clothing before storage or reuse. Wash hands after use and before, using tobacco products, or toilet facilities. Always use with adequate ventilation.



SAFETY DATA SHEET

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical form	Red, viscous clear gel
Odour	slight characteristic amine
Flash point	will not flash
pH	4.0-5.0
Water Solubility	soluble
Boiling point	>100°C

10. STABILITY AND REACTIVITY

Stable under normal conditions of use.	Not an oxidiser
Incompatibility	avoid mixing with strong acids, alkalis and oxidising agents
Corrosive properties	not corrosive. Avoid contact with aluminium or steel
Thermal decomposition	Hazardous gases may be emitted including but not limited to, Hydrogen Chloride, Oxides of Carbon, Phosgene and Nitrogen.

11. TOXICOLOGICAL INFORMATION

Acute LD50 oral rat	>5000 mg/kg
Acute LD50 dermal rabbit	>5000 mg/kg
Acute LC50 inhalation rat, (4 hours)	> 4.0 mg/l
Eye Contact	Will irritate the eyes.
Ingestion	May be harmful if swallowed,

12. ECOLOGICAL INFORMATION

Do not contaminate streams, rivers, or waterways with the product or used containers

LC50 Rainbow trout (96 hours)	>1000 mg/l
LC50 Algae (96 hours)	262.4 mg/l

Very toxic to plant species; herbicide. Non toxic to Bees. Contaminated absorbent and wash water should be disposed of according to local and national regulations.

13. DISPOSAL CONSIDERATIONS

Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with Sand, Soil or absorbent granules. 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 incinerated at an authorised installation. Rinse out empty containers prior disposal. Do not re-use empty container for any other purpose

All aspects of disposal, handling, use and record keeping must be in accordance with NZS 8409-2004 "Management of Agrichemicals" and local and regional council



SAFETY DATA SHEET

14. TRANSPORT INFORMATION

UN NUMBER: 3082

15. REGULATORY INFORMATION

HSNO APPROVAL CODE: HSR000769

The regulatory information is not intended to be comprehensive. Other regulations may apply to this product

16. OTHER INFORMATION

Avoid release into the environment. Refer to special instructions on Safety Data Sheet and Label

Emergency Contact

Work Hours

Kiwicare Corporation
225 Maces Road
PO Box 15050
Christchurch

☎ (03) 389 0778

Fax: (03) 389 0669

24 Hours

National Poisons Centre
PO Box 913
Dunedin

☎ **0800 764 766 (POISON)**

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

For further information visit the Kiwicare web site, www.kiwicare.co.nz, or contact the supplier. The information in this document should be made available to all who may handle the product

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.
