

SAFETY DATA SHEET

Product Name: Weed Weapon Direct Hit Aerosol

Issue Date: 20/06/2017

Page 1 of 12

1. PRODUCT AND COMPANY INFORMATION

Product Name:	Weed Weapon Direct Hit Aerosol
Relevant identified uses:	Herbicide
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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SAFETY DATA SHEET

Product Name: Weed Weapon Direct Hit Aerosol

Issue Date: 20/06/2017

Page 2 of 12

2. HAZARDS IDENTIFICATION

HSNO Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
2.1.2A ¹			Warning	H223	P103 ^b P210 P211 P251	No response statements	P410 + P412	No disposal statements
6.3A	Not applicable for the UN RTDG Model Regulations		Warning	H315	P103 ^b P264 P280	P302 + P352 P321 P332 + P313 P362	No storage statements	P501
8.3A	Not applicable for the UN RTDG Model Regulations		Danger	H318	P102 ^b P103 ^b P280	P101 ^b P305 + P351 + P338 P310	No storage statements	P501
6.5B	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
9.1C	Not applicable for the UN RTDG Model Regulations	No Pictogram	No Signal Word	H412	P103 ^b P273	No response statements	No storage statements	P501

Dangerous Goods:

Class 2 DG under the UN RTDG regulations;
Signal word = Danger.

Packaging Group:

III

Hazardous Substance (HSNO) Codes:

2.1.2A (Flammable aerosol)
6.3A (Skin irritancy)
8.3A (Eye corrosive)
6.5B (Dermal sensitizer)
9.1C (Harmful in the aquatic environment)

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SAFETY DATA SHEET

Product Name: Weed Weapon Direct Hit Aerosol

Issue Date: 20/06/2017

Page 3 of 12

Hazard Statement:	H223: Flammable aerosol H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. 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. P103: Read label before use. P210: Keep away from heat/sparks/open flames/hot surfaces. P211: Do not spray on an open flame or other ignition source. P251: Pressurized container: Do not pierce or burn, even after use. P261: Avoid breathing spray. P264: Wash 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. P310: Immediately call a POISON CENTER or doctor/physician. P321: Specific treatment (please see the product label). P362: Take off contaminated clothing and wash before re-use P363: Wash contaminated clothing before reuse. P302+P352: IF ON SKIN: Wash with plenty of soap and water. P332+P313: If skin irritation occurs: Get medical advice/ attention. P333+P313: If skin irritation or rash occurs: Get medical advice/ attention. P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

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SAFETY DATA SHEET

Product Name: Weed Weapon Direct Hit Aerosol

Issue Date: 20/06/2017

Page 4 of 12

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: In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Herbicide

Appearance: Aerosol that produces white foam which dissipates as clear liquid.

Ingredients

Ingredients	CAS #	Content %
Glyphosate	1071-83-6	0.7 %
Saflufenacil	372137-35-4	< 0.1 %
LPG (propane + butane)	74-98-6 & 106-97-8	~ 10%
Other non-active ingredients	Mixture: NA	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. Do NOT induce vomiting. Seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

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SAFETY DATA SHEET

Product Name: Weed Weapon Direct Hit Aerosol

Issue Date: 20/06/2017

Page 5 of 12

4. FIRST AID MEASURES

Eye Contact:	Potentially cause eye corrosion. Rinse opened eye for several minutes under running water. 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 and skin sensitization. Rinse skin with copious amounts of water and wash with soap and water. If the irritation persists, seek immediate medical advice.
Inhalation:	If symptoms develop move the exposed person to fresh air. Immediately obtain medical advice. 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. Call a doctor or poison control centre for guidance, or call NZ Poisons Centre on 0800 764 766.

5. FIRE FIGHTING MEASURES

Specific Hazards:	Flammable aerosol. Read label before use.
Suitable Extinguishing Media:	Keep fire exposed containers cool by spraying with water. Appropriate fire extinguishers are CO ₂ , Powder or Alcohol resistant foam. Use extinguishing media appropriate to the surrounding conditions.
Fire Fighting Advice:	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away and move all other personnel to windward side of fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later.

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SAFETY DATA SHEET

Product Name: Weed Weapon Direct Hit Aerosol

Issue Date: 20/06/2017

Page 6 of 12

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 kg):	Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer.
Major Spills (more than 20 kg):	Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. 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 incinerate at an authorised installation.

7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Keep away from sources of ignition – No smoking, eating or drinking while handling this product. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking or smoking. Read the label before use.
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.
Protection against fire and explosion:	Keep away from heat sources as the product is flammable. Keep away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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SAFETY DATA SHEET

Product Name: Weed Weapon Direct Hit Aerosol

Issue Date: 20/06/2017

Page 7 of 12

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices 8 th edition)
Engineering Controls:	General local ventilation. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.
Hand protection:	Suitable chemical resistant gloves are recommended for applicants.
Eye protection:	Wear safety glasses or full face shield if splashes are likely to occur.
Body protection:	Body protection must be chosen depending on activity and possible exposure, for example apron, protecting boots. Skin protection not ordinarily required beyond standard issue work clothes. It is good practice to wear chemical resistant gloves.
General safety and hygiene measures:	Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing. Store work clothing separately.
Environmental Exposure Controls:	Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

L Substance	CAS #	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
LPG (Liquefied petroleum gas)	[68476-85-7]	1,000	1,800		

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Aerosol that produces white foam which dissipates as clear liquid.
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SAFETY DATA SHEET

Product Name: Weed Weapon Direct Hit Aerosol

Issue Date: 20/06/2017

Page 8 of 12

9. PHYSICAL AND CHEMICAL PROPERTIES

Solubility:	Soluble
Specific Gravity:	0.91 - 0.93 Kg/L
Boiling Point:	-40 °C
Flash Point:	-104 °C
pH Value:	8.2 - 9.2
Viscosity:	Not allocated
Chemical Family:	Herbicidal substance; Glyphosate and Saflufenacil as the A.I.
Exposure Standards (TLV-TW):	Refer to section 8
Engineering Controls:	Refer to section 8

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use.
Incompatibility or conditions to be avoided:	Avoid strong oxidising and reducing agents. Avoid heat, sparks and open flame.
Corrosive Properties:	Potentially corrosive to eyes.
Thermal Decomposition:	The formation of toxic/irritant gases/vapours may occur if over-heated. Avoid heat, sparks and open flame.

11. TOXICOLOGICAL INFORMATION

The relevant hazard classes on ingredients:

Glyphosate (1071-83-6): HSNO 6.1E, 6.4A, 9.1B (0.7% present)

For the substance (final product):

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SAFETY DATA SHEET

Product Name: Weed Weapon Direct Hit Aerosol

Issue Date: 20/06/2017

Page 9 of 12

11. TOXICOLOGICAL INFORMATION

Skin corrosion/irritation:	HSNO classification 6.3A or GHS H315, Causes skin irritancy.
Serious eye damage/eye irritation:	HSNO 8.3A or GHS H318; causes eye damage.
Respiratory or skin sensitization:	6.5B or H317: skin sensitizer.
Germ cell mutagenicity:	Not mutagenic.
Carcinogenicity:	Not carcinogenic.
Reproductivity:	Not reproductive.
Acute Toxicity:	Acute oral & dermal LD ₅₀ > 5000 mg/kg (calculated)
Chronic Toxicity:	No chronic toxicity.

12. ECOTOXICITY INFORMATION

Ecological information on substance:	HSNO 9.1C or GHS 412; Harmful in the aquatic environment. $10 < LC_{50} \leq 100$ mg/l
Bioaccumulative / rapid degradation:	Not Bioaccumulative
Soil toxicity:	No soil toxicity

The substance triggers HSNO class 9.1C classification. In addition, as the product label indicated that this product is not allowed or washings to enter the waterways or sewer and other appropriate controls. Therefore it is highly unlikely to be hazardous to the environment.

13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation:	In the case of a substance that is in compliance with a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001.
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We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

Product Name: Weed Weapon Direct Hit Aerosol

Issue Date: 20/06/2017

Page 10 of 12

13. DISPOSAL CONSIDERATIONS

Container Disposal: Empty containers can be sent to landfill after cleaning if in compliance with local and national regulations.

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air

UN Number: UN 1950

Dangerous Goods Class: Aerosols, flammable (each not exceeding 1 L capacity) (UN RTDG; ADR/RID; IMDG; IATA/ICAO).

Hazchem Code: 2YE

Packaging Group: III

Proper Shipping Name: Class 2 flammable Aerosols, n.o.s.

Segregation: Lock in the flammable storage.

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR100891

HSNO Classifications: 2.1.2A, 6.3A, 8.3A, 6.5B, 9.1C.

HSNO Controls: Refer to HSR100891

HSNO Approved codes of Practice: Refer to HSR100891

To avoid risks to man and the environment, comply with the instructions for use.

This information should be considered when making any hazard assessment.

Classification and labelling according to Regulation:

(EC) No 1272/2008 [EU-GHS/CLP]

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SAFETY DATA SHEET

Product Name: Weed Weapon Direct Hit Aerosol

Issue Date: 20/06/2017

Page 11 of 12

16. OTHER INFORMATION

SDS date of preparation:	13 / 06 / 2017
SDS date of revision:	13 / 06 / 2022
Emergency Contact	24 Hours
Work Hours	National Poisons Centre
Kiwicare Corporation	PO Box 913
225 Maces Road	Dunedin
PO Box 15050	Tel: 0800 764 766 (POISON)
Christchurch	
Tel: (03) 389 0778	
Fax: (03) 389 0669	

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

Product Name: Weed Weapon Direct Hit Aerosol

Issue Date: 20/06/2017

Page 12 of 12

16. OTHER INFORMATION

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.

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

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

GHS: Global Harmonized System

EU: European Union

UN RTDG: United Nations Recommendations on the Transport of Dangerous Goods

EC: European Commission

TLV: Threshold Limit Value

TWA: Time Weighted Average

STEL: Short-Term Exposure Limit

H Phrase: Hazard phrase

P Phrase: Precautionary phrase

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