

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) No. 1272/2008 (REACH)



RESOLVA PATH & DRIVE RTU

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product: Resolva Path & Drive Weedkiller RTU

1.2 Usage: Herbicide

1.3 Supplier Details:

Address: Westland Horticulture Ltd
14 Granville Industrial Estate
Granville Road
Dungannon
County Tyrone
BT70 1NJ

Email: customerservice@westland.com

1.4 Emergency Contact:

Westland Horticulture Ltd	01480 443789 (UK) 24hrs
UK / UK National Poisons Information Service	0121 507 4123 / 24h (GMT) / English
Ireland / Poisons Information Centre of Ireland	01 809 2566 / 24 h / English

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Not classified

2.2 Label Elements

Hazard Pictograms	None
Signal Word	None
Hazard Statements	None

Precautionary Statements

P102	Keep out of reach of children.
P260	Do not breathe spray.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P501	Dispose of contents/container to an approved waste disposal plant.

Supplemental Information

EUH401	To avoid risks to human health and the environment, comply with the instructions for use.
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2.3 Other Hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

N/A

3.2 Mixtures

Herbicide with pelargonic acid – contained as ammonium salt.

Ingredient	Identifiers	Concentration %W/W	Warning Symbols	Regulation (EC) No 1272/2008 (CLP)
Nonanoic acid (Pelargonic acid)	EC: 203-931-2 CAS: 112-05-0	3.3 % (31.020 g/L)		Skin Irrit. 2 H315 Eye Irrit. 2 H319 Aquatic Chronic 3. H412

4. FIRST AID MEASURES

4.1 Description of first aid measures**General Information:**

Have the product container, label or Material Safety Data Sheet with you when calling a poison control center or physician or going for treatment.

- Inhalation:** Move person to fresh air.
If breathing is irregular or stopped, administer artificial respiration.
Keep patient warm and at rest.
- Skin Contact:** Wash off with soap and plenty of water.
If skin irritation persists, call a physician.
- Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses and continue flushing.
Immediate medical attention is required.
- Ingestion:** If swallowed, wash out mouth thoroughly and seek medical advice immediately. Show container or label.
Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

None known

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available

5. FIREFIGHTING MEASURE

5.1 Extinguishing media

This product is not directly flammable. Use carbon dioxide, extinguishing powder or water jet.
For larger fires with water jet or alcohol resistant foam

5.2 Special hazards arising from the substance or mixture

As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).

Exposure to decomposition products may be a hazard to health

5.3 Advice for firefighters

Wear full protective clothing and self-contained breathing apparatus as required

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.

Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Contain Spillage and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Additional information: If the product contaminates rivers and lakes or drains inform respective authorities.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

- No special protective measures against fire are required
- Avoid contact with skin and eyes
- When using do not eat, drink or smoke
- For personal protection see Section 8

7.2 Conditions for safe storage

- No special storage conditions required.
- Keep containers closed tightly in a dry, cool and well-ventilated place.
- Keep out of reach of children
- Keep away from food, drink and animal feeding stuffs
- Physically and chemically stable for at least two years when stored in the original unopened sales container at ambient temperatures.

7.3 Specific end use(s)

Use only as herbicide according to the instruction on the label

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation and packaging of the product

8.2 Exposure controls

Engineering Measures:	Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapors are generated, use local exhaust ventilation controls. Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Where necessary, seek additional occupational hygiene advice.
Protective Measures:	The use of technical measures should always have priority over the use of personal protective equipment When selecting personal protective equipment, seek appropriate professional advice Personal protective equipment should be certified to appropriate standards
Respiratory Protection:	No personal respiratory protective equipment normally required. A particulate filter respirator may be necessary until effective technical measures are installed.
Hand Protection:	Select gloves based on the physical job requirements.
Eye Protection:	Follow any site-specific eye protection policies
Skin and Body Protection:	Select skin and body protection based on physical job requirements

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State:	Liquid
Colour:	Clear
Odour:	Characteristic
pH:	2.81 20°C
Relative Density:	1.01g/ml 20°C
Solubility(ies)	Soluble in Water
Explosive Properties:	Not Explosive
Oxidising Properties:	Not Oxidising

9.2 Other information

None known

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions of use and storage.

10.2 Chemical stability

Stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

None known. Hazardous polymerization does not occur

10.4 Conditions to avoid

No information available, stable under normal conditions of use and storage.

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

Combustion or thermal decomposition will evolve toxic or irritant vapours

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

- **Oral:** LD50 (Median lethal dose, female rat): 3310 mg/kg
- **Inhalation:** LC50/4 h (Median lethal concentration, rat): >40 mg/L
- **Dermal:** LD50 (Median lethal dose, male, and female rat): >2000 mg/kg

Skin Corrosion/Irritation

Rabbit: Non-irritating

Serious Eye Damage/Eye Irritation

Rabbit: Non-irritating

Respiratory or Skin Sensitisation

Buehler test (guinea pig): Not a skin sensitizer in animal tests

Germ Cell Mutagenicity

No known effects

Carcinogenicity

No known effects

Reproductive Toxicity

No known effects

STOT (Specific Target Organ Toxicity) – Single and Repeated Exposure

Repeated exposure: No adverse effects observed in chronic toxicity tests.

Aspiration Hazard

Not specified.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No information available

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available

12.6 Other adverse effects

Do not allow uncontrolled leakage of product into the environment

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods**Product:**

Do not contaminate ponds, waterways or ditches with chemical or used container.

Do not dispose of waste into sewer.

Where possible recycling is preferred to disposal or incineration.

If recycling is not practicable, dispose of it in compliance with local regulations.

Contaminated Packaging:

Empty remaining contents.

Triple rinse containers. The rinse water should be added to the final spray solution. It must not be put down the drain, sink or toilet

Completely empty containers can be put in the bin or disposed of in compliance with applicable local regulations.

Do not reuse empty containers.

TRANSPORT INFORMATION

14.1 UN Number

- Land transport (ADR/RID): Not dangerous goods.
- Inland waterway transport (ADN): Not dangerous goods
- Sea transport (IMDG): Not dangerous goods
- Air transport (ICAO-TI/IATA-DGR): Not dangerous goods

14.2 UN Proper Shipping Name

- Land transport (ADR/RID): Not dangerous goods.
- Inland waterway transport (ADN): Not dangerous goods
- Sea transport (IMDG): Not dangerous goods
- Air transport (ICAO-TI/IATA-DGR): Not dangerous goods

14.3 Transport Hazard Classes

- Land transport (ADR/RID): Not dangerous goods.
- Inland waterway transport (ADN): Not dangerous goods
- Sea transport (IMDG): Not dangerous goods
- Air transport (ICAO-TI/IATA-DGR): Not dangerous goods

Hazard Labels

- Land transport (ADR/RID): Not dangerous goods.
- Inland waterway transport (ADN): Not dangerous goods
- Sea transport (IMDG): Not dangerous goods
- Air transport (ICAO-TI/IATA-DGR): Not dangerous goods

14.4 Packing Group

- Land transport (ADR/RID): Not dangerous goods.
- Inland waterway transport (ADN): Not dangerous goods
- Sea transport (IMDG): Not dangerous goods

- Air transport (ICAO-TI/IATA-DGR): Not dangerous goods

14.5 Environmental Hazards

- Land transport (ADR/RID): Not dangerous goods.
- Inland waterway transport (ADN): Not dangerous goods
- Sea transport (IMDG): Not dangerous goods
- Air transport (ICAO-TI/IATA-DGR): Not dangerous goods

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

15.1.1 Registration Numbers: MAPP 21365

This mixture is classified and labelled according to the CLP Regulation (EC) No 1272/2008

15.2 Chemical Safety Assessment: A Chemical Safety Assessment is not required for this mixture

OTHER INFORMATION

16.1 Indication of changes

Revised and updated.

16.2 Abbreviations and acronyms

ADR	International Carriage of Dangerous Goods by Road
CAS No	Chemicals Abstract Service Registry Number
Directive 67/548/EEC	Dangerous Substances Directive (DSD)
EC No	European Community Number for chemicals within EU regulations
IATA-DGR	Dangerous Goods Regulations by the International Air Transport Association
IMDG Code	International Maritime Dangerous Goods Code
MAPP	Ministerially Approved Pesticide Product
PCS	Pesticide Control Service
PBT	Persistent, Bioaccumulative and Toxic Properties
Regulation (EC) No 1272/2008	Classification, Labelling and Packaging (CLP)
RID	International Transport of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative Properties

16.3 Key literature references and sources for data

Sipcam

16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008

[CLP]:

Flamm. Liq. 3; Flammable liquid
Aquatic Chr 3; Aquatic Chronic Toxicity, Category 3

Eye Dam 1; Eye Damage, Category 1
Skin Corr 1A; Skin Corrosion, Category 1A

16.5 Relevant H- and EUH-phrases:

Not applicable

16.6 Recommended uses and restrictions

Follow the pack instructions.

Safety Data Sheet (SDS) Information

This Safety Data Sheet has been prepared in compliance with Regulation (EC) 1907/2006, as amended by 2020/878. It provides critical health and safety information for the handling and use of this product.

This product should only be used in accordance with recommended best practices. Individuals handling this product must be informed under COSHH regulations of the recommended safety precautions and have access to this document. The information provided herein is, to the best of our knowledge, accurate as of the date of publication. However, Westland Horticulture Limited accepts no liability for any damage resulting from the misuse or misapplication of this information.

Training and Related Guidance

This document contains essential guidance to ensure the safe storage, handling, and use of this product. It is the responsibility of your organisation to:

- Communicate the information in this document to all relevant personnel.
- Provide adequate training to ensure the product is used correctly and safely.

For additional information, please contact:

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14 Granville Industrial Estate,
Granville Road,
Dungannon, County Tyrone,
BT70 1NJ.