



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Product	Resolva Moss Killer RTU
Usage	Herbicide
Supplier	Westland Horticulture Ltd 14 Granville Industrial Estate Granville Road Dungannon County Tyrone BT70 1NJ
Email	customerservice@WestlandHorticulture.com
Emergency Tel	01480 443789 (UK)

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture According to Regulation (EC) No 1272/2008:

Not classified

Classification of the Substance or Mixture According to Directive 67/548/EEC or Directive 1999/45/EC:

Not classified

Label Elements According to Regulation (EC) No 1272/2008:

Hazard Pictograms Not classified

Signal Word Not classified

Hazard Statements Not classified

Precautionary Statements

P102 Keep out of reach of children

Supplemental Information

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






Label Elements According to Directive 67/548/EEC or Directive 1999/45/EC:

Hazard Pictograms	Not classified
R- Phrases	Not classified
S- Phrases	
S2	Keep out of reach of children

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description Herbicide containing pelargonic acid as a ready to use solution

Hazardous Ingredients

Ingredient	Identifiers	Concentration %W/W	Warning Symbols	Directive 67/548/EEC	Regulation (EC) No 1272/2008 (CLP)
Propan-2-ol	EC: 200-661-7 CAS: 67-63-0	2%	 	F; R11 Xi; R36, R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Nonanoic acid	EC: 203-931-2 CAS: 112-05-0	3.3%		C; R34	Skin Corr. 1B, H314

For the full text of the R phrases mentioned in this section, see section 16.

4. FIRST AID MEASURES

General Advice: Have the product container, label or Material Safety Data Sheet with you when calling a poison control center or physician, or going for treatment.
Avoid any unnecessary contact with the product

Inhalation: Move person to fresh air.

Skin Contact: Take off all contaminated clothing.
Wash exposed skin with water

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses and continue flushing.
Seek medical attention if irritation persists.

Ingestion: Get medical advice if symptoms appear.

Advice to Doctor: Treat symptomatically



5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Use water spray, alcohol-resistant foam, dry powder or carbon dioxide

Specific Hazards Arising From the Substance or Mixture:

As the product contains organic components, fire may produce hazardous products of combustion

Exposure to decomposition products may be a hazard to health

Special Protective Equipment for Fire Fighters:

Wear full protective clothing and self-contained breathing apparatus.

Further Information:

Standard procedure for chemical fires.

Collect contaminated fire extinguishing water separately

Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Forms slippery surfaces with water

Environmental Precautions:

Prevent further leakage or spillage if safe to do so.

Do not flush into surface water or sanitary sewer system.

Methods and Materials For Containment And Cleaning Up:

Contain spillage, and then soak up with non-combustible absorbent material (e.g. sand, silica gel, acid binder, universal binder). Sweep and shovel into suitable containers for disposal according to local / national regulations

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



7. HANDLING AND STORAGE

Handling:

- Do not eat, drink or smoke when using this product
- Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work
- Handle in accordance with good industrial hygiene and safety procedures
- Do not breathe spray
- Avoid long and intensive skin contact

Storage:

- Store in original container.
- Keep away from naked lights
- 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
- Protect from frost

Specific End Uses:

Use only as herbicide according to the instruction on the label

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

No ingredients with limit values that require monitoring at the workplace

Engineering Control Measures: The normal precautionary measures for handling chemicals should be observed

Protective Measures: Avoid contact with skin, eyes and clothing.

- **Respiratory Protection:** No personal respiratory protective equipment normally required when used with adequate ventilation
- **Hand Protection:** Wear disposable gloves if a risk assessment indicates it is necessary
- **Eye Protection:** No protective equipment normally required
Safety glasses/goggles should be used if a risk assessment indicates it is necessary to avoid splashes, mists or gases
- **Skin and Body Protection:** Lightweight protective clothing appropriate to the conditions of use



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear yellowish liquid
Odour: Slight alcoholic

Other Properties:

	Value	Temperature	Method
pH	7.8	20°C	
Density	1.00 g/ml	20°C	
Flash Point	63°C		
Solubility	Readily soluble in water		

Oxidising Properties: The product does not support fire

Explosive Properties: The product is not explosive

10. STABILITY AND REACTIVITY

Hazardous Decomposition: Not required

Materials to Avoid: No information available

Conditions to Avoid: No information available

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: LD50 Median lethal dose rat, >5,000 mg/kg; OECD 401

Acute Dermal Toxicity: LD50 Median lethal dose rat, >5,000 mg/kg; OECD 402

Skin Irritation: Non irritant, rabbit; OECD 404

Serious Eye Irritation: Non irritant, rabbit; OECD 405

Respiratory or Skin Sensitization: Non sensitizing, Guinea pig; OECD 406

Long Term Toxicity: No poisonous effects are known up to now



12. ECOLOGICAL INFORMATION

Toxicity: No information available

Persistence & Degradability: No information available

Bio-accumulative Potential: No information available

Mobility in soil: No information available

Results of PBT and vPvB assessment: No information available

Other Adverse Effects: Do not allow uncontrolled leakage of product into the environment

13. DISPOSAL CONSIDERATIONS

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 at licensed waste disposal site capable of accepting pesticides in compliance with applicable 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.

14. TRANSPORT INFORMATION

Land Transport (ADR /RID) Not dangerous goods

Sea Transport (IMDG) Not dangerous goods

Air Transport (IATA-DGR) Not dangerous goods

None special precautions for user



15. REGULATORY INFORMATION

Registration Numbers: MAPP 17100
PCS 92417

VOC Content: 2%

Chemical Safety Assessment: No information available

16. OTHER INFORMATION

Recommended uses and restrictions: Follow the instructions

Full texts of abbreviated H Statements refer to under Section 3:

H225 Highly flammable liquid and vapour
H314 Causes severe skin burns and eye damage
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

Full texts of abbreviated R phrases refer to under Section 3:

R11 Highly flammable
R34 Causes burns
R36 Irritating to eyes
R67 Vapours may cause drowsiness and dizziness

Full text of Classifications

- **CLP/GHS:** Flam. Liq. 2; Flammable Liquid, Category 2
Eye Irrit. 2; Eye Irritant, Category 2
STOT SE 3, Specific Target Organ Toxicity after Single Exposure, Category 3
Skin Corr 1B; Skin Corrosion, Category 1B
- **DSD/DPD:** F; Flammable
Xi; Irritant
C; Corrosive

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
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



Further information

Before using this product, ensure that you read and understand its label

MSDS information:

This Safety Data Sheet is prepared in compliance with Directive 1999/45/EC, 1272/2008 and Annex I of the REACH regulation 453/2010.

This safety data sheet provides health and safety information. This product is to be used in applications with best use practice. Individuals handling this product should be informed under COSHH of the recommended safety precautions and should have access to this information. The product information in this data sheet is to the best of our knowledge correct as at the date of publication. Westland Horticulture Limited does not accept responsibility for damage caused by incorrect use of this information.

Training and related advice:

This document contains important information to ensure the safe storage, handling and use of this product. It is the responsibility of your organisation to ensure that the information contained in this document is communicated to the end user and that all necessary training to enable the product to be used correctly has been given.

For further information please contact Westland Horticulture Ltd, 14 Granville Industrial Estate, Granville Road, Dungannon, County Tyrone, BT70 1NJ.