

Safety Data Sheet

According to Regulation (EC) No 453/2010 (REACH)



Trade name: Resolva Weed Preventer granules
Version:2.0 Revision date: 29.01.2021

Print date:29.01.2021

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

1.1 Product Resolva Weed Preventer granules

1.2 Relevant Identified Use Weed management granules

1.3 Details of the supplier of the safety data sheet

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

Email customerservice@Westland.com

1.4 Emergency Telephone Number 01480 443789 (UK) 24hrs

2. HAZARDS IDENTIFICATION

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

None known

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

Hazard Pictograms None

Signal Word None

Hazard Statements None

2.3 Other hazards: None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: N/A

3.2 Description: mixture

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Hazardous Ingredients

Ingredient	Identifiers	Concentration %W/W	Warning Symbols	Regulation (EC) No 1272/2008 (CLP)
Silicone dioxide	CAS 7631-89-9 EC: 231-545-4	=/< 20% W/W		Substance with Workplace Exposure Limit

Additional Information: For the full text of the H Statements mentioned in this section, see section 16.

4. FIRST AID MEASURES

4.1 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.
Call a physician or Poison Control Centre immediately.

Skin Contact: Wash off immediately with 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.
Get medical attention if symptoms persist or develop

Ingestion: If swallowed seek medical advice immediately and show container or label.
Do NOT induce vomiting.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed: None known

4.3 Treatment (Medical Advice): Information not available

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media:
Use foam, carbon dioxide, dry powder or sand

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The mixture is not classified as flammable; as such extinguishing media should be chosen as appropriate for surrounding materials.

5.2 Specific Hazards Arising From the Substance or Mixture:

Fire will produce hazardous products of combustion

Exposure to decomposition products may be a hazard to health.

5.3 Advice for Fire Fighters:

Wear full protective clothing and self-contained breathing apparatus.

Further Information:

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

Cool closed containers exposed to fire with water spray.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Avoid formation / breathing of dust

Avoid contact with skin and eyes

Ensure adequate ventilation

Use Personal Protective Equipment: coveralls, gloves and eye/face protection

6.2 Environmental Precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

6.3 Methods and Materials for Containment and Cleaning Up:

Vacuum or sweep up material.

Place into suitable labelled containers for disposal according to local / national regulations

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

6.4 Reference to other sections:

See Section 8 for information on personal protection equipment

See Section 13 for disposal information

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

- No special protective measures against fire required.

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- 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 Uses:

Use only as weed preventer according to the instruction on the label

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

8.1.1 Occupational exposure limits:

Limit value type (country of origin)	Substance name	EC- No.	CAS- No.	Occupational exposure limit value		Monitoring And observation processes	Peak limitation	Source
				Long term	Short term			
OEL (EU)	Silicone dioxide	231- 545-4	7631- 89-9	0.1 mg/m ³			10mg/m ³	unknown

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

8.1.1 Biological limit values: N/A

8.1.2 Exposure limits at intended use: N/A

8.1.4 DNEL/PNEC-values: N/A

8.1.5 Risk management measures according to used control banding approach: N/A

8.2 Exposure Controls

Respiratory Protection: Not necessary if room is well ventilated

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Use suitable dust respirator if dust concentration is high (Filter P2)

Hand Protection: Wear suitable gloves complying with EN420 if a risk assessment indicates this is necessary

Eye Protection: Wear safety glasses complying with EN166 as a minimum if required.

Skin and Body Protection: Protective work clothing

8.2.1 Appropriate engineering controls: No special ventilation requirements.

Avoid high dust concentration and provide ventilation where necessary

8.2.2 Personal protective equipment:

When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate standards

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: Chemical resistant gloves are not usually required.
Select gloves based on the physical job requirements.

Eye Protection: Eye protection is not usually required
Follow any site specific eye protection policies

Skin and Body Protection: No special protective equipment required
Select skin and body protection based on the physical job requirements

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Solid, yellowish-brown granules

Physical state: solid

Colour: yellowish-brown

Odour: characteristic

Odour threshold: None known

9.2 Other information:

	Value	Concentration	Method	Temperature	Pressure	Remark
pH	4.0	-	-	20°C	-	-
Melting point/freezing point	-	-	-	-	-	-
Initial boiling point/boiling range	-	-	-	-	-	-
Flash point	-	-	-	-	-	-
Evaporation rate	-	-	-	-	-	-
Flammability (solid, gas)	-	-	-	-	-	-
Upper/lower flammability or explosive limits	-	-	-	-	-	-
Upper explosive limits	-	-	-	-	-	-
Lower explosive limits	-	-	-	-	-	-
Vapour pressure	-	-	-	-	-	-
Vapour density	-	-	-	-	-	-
Relative density	1.19g/kg	-	-	20°C	-	-
Solubility(ies)	-	-	-	-	-	-
Partition coefficient: n-octanol/water	-	-	-	-	-	-
Auto-ignition temperature	-	-	-	-	-	-
Decomposition temperature	-	-	-	-	-	-
Viscosity	-	-	-	-	-	-
Viscosity, dynamic	-	-	-	-	-	-
Viscosity, cinematic	-	-	-	-	-	-
Explosive properties	-	-	-	-	-	-
Oxidising properties	-	-	-	-	-	-

Physical hazards: none known

10. STABILITY AND REACTIVITY

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- 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 may evolve toxic or irritant vapours

11. TOXICOLOGICAL INFORMATION

Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Acute Toxicity: Not expected to be toxic, however if large quantities are ingested, seek medical advice.

Skin corrosion/Irritation: The mixture is not classified as skin irritant based on formulation components

Eye damage/ Irritation: The mixture is not classified for eye damage based on formulation components

Respiratory or Skin Sensitization: The mixture is not classified as a sensitizer based on formulation components

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): The mixture is not classified as mutagenic, carcinogen, reproductive toxic or aspiration hazard based on formulation components

Other information: None

12. ECOLOGICAL INFORMATION

The mixture has not been tested.

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12.1 Toxicity: The mixture is not classified as hazardous to the environment based on formulation components

12.2 Persistence and Degradability: No information available on mixture

12.3 Bioaccumulative Potential: No information available on mixture

12.4 Mobility in Soil: No information available on mixture

12.5 PBT and vPvB assessment: No information available on mixture

Other adverse effects: Information not available

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 in compliance with local regulations.

Contaminated Packaging: Empty remaining contents.
Completely empty containers can be put in the bin or disposed of in compliance with applicable local regulations.
Do not reuse empty containers.

14. TRANSPORT INFORMATION

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN No.	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.2 UN Proper shipping name	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.3 Transport hazard class(es)	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods

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Hazard label(s)	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.4 Packing group	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.5 Environmental hazards	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods

14.6 Special precautions for user : None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Additional information: None

15. REGULATORY INFORMATION

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

15.1.1 Registration Numbers:

This mixture is not classified or 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

16. 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

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vPvB Very Persistent and Very Bioaccumulative Properties

16.3 Key literature references and sources for data: unknown

16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008
[CLP]: Not applicable

16.5 Full texts of abbreviated H Statements referred to under Section 3: Not applicable

16.6 Training Advice: Follow the instructions

16.7 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.