



Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: Resolva Bug & Mildew RTU

Version: 1.0

Revision date: 6.2.2018

Print date: 6.2.2018

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

1.1 Product Resolva Bug & Mildew RTU

1.2 Relevant identified uses of the mixture: Ready to use home and garden pesticide & mildewcide

1.2 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@WestlandHorticulture.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:

Not classified

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

Hazard Pictograms Not applicable

Signal Word Not applicable

Hazard Statements Not applicable

Precautionary statements: Not applicable

Supplemental Hazard information: N/A

Special rules for supplemental label elements for certain mixtures: N/A

Additional labelling: N/A



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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: N/A

3.2 Description Physical mode of action pesticide & mildewcide

Hazardous Ingredients

This mixture does not contain any ingredients classified as hazardous substances

Additional information: None known

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.
Seek medical attention if patient becomes unwell.

Skin Contact: Take off all contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.

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

Ingestion: Keep the patient at rest and under observation
Seek medical attention if patient becomes unwell.

4.2 Most important symptoms and effects, both acute and delayed: None

4.3 Indication of any immediate medical attention and special treatment needed:

Treat symptomatically



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5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media: Use water spray

5.2 Specific Hazards Arising From the Substance Or Mixture:

None known

5.3 Advice for Fire Fighters:

Wear full protective clothing and self-contained breathing apparatus.

Additional Information:

None

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 Materials 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

6.4 Reference to other sections: If the product contaminates rivers and lakes or drains inform respective authorities.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling:

- No special protective measures against fire required.
- Avoid contact with skin, eyes and clothing
- When using do not eat, drink or smoke
- Wear suitable gloves when handling
- Wash hands thoroughly after work



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7.2 Conditions for safe storage, including any incompatibilities

- No special storage conditions required
- Keep containers closed tightly in a dry, cool and well-ventilated place.
- Keep out of the reach of children
- Keep away from food, drink and animal feed stuffs

7.3 Specific End Uses:

Use only as pesticide according to the instruction on the label

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters: Contains no substances with occupational exposure limit values

8.1.1 Occupational exposure limits: Contains no substances with occupational exposure limit values

8.1.2 Biological limit values: N/A

8.1.3 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

8.2.1 Appropriate 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.

8.2.2 Personal protective equipment: 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.



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Hand Protection: Chemical resistant gloves should be used.
Gloves should be certified to an appropriate standard
Suitable material: PVC or rubber

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

Skin and Body Protection: Wash with soap and water after removing protective clothing
Decontaminate clothing before re-use, or use disposable equipment (suits, aprons, sleeves, boots, etc)

8.2.3 Environmental exposure controls: None

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Clear liquid

Physical state: Liquid

Colour: Clear

Odour: Soapy

Odour threshold: None known

9.2 Other information:

| | Value | Concentration | Method | Temperature | Pressure | Remark |
|--|---------|---------------|--------|-------------|----------|--------|
| pH | 7.0-8.0 | - | - | 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 | - | - | - | - | - | - |



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| | | | | | | |
|---|----------|---|---|------|---|---|
| Vapour density | - | - | - | - | - | - |
| Relative density | 1.00g/ml | - | - | 20°C | - | - |
| Solubility(ies) | - | - | - | - | - | - |
| Partition coefficient: n-octanol/water | - | - | - | - | - | - |
| Auto-ignition temperature | - | - | - | - | - | - |
| Decomposition temperature | - | - | - | - | - | - |
| Viscosity | - | - | - | - | - | - |
| Viscosity, dynamic | - | - | - | - | - | - |
| Viscosity, cinematic | - | - | - | - | - | - |
| Explosive properties | None | - | - | - | - | - |
| Oxidising properties | - | - | - | - | - | - |

Physical hazards:

Flammable aerosols:

Justification for data waiving:

Safety characteristics:

| | Value | Result | Method | Remark |
|---------------------------------|-------|--------|--------|---|
| Content of flammable components | | | | |
| Chemical heat of combustion | | | | |
| Ignition distance | | | | Testing is not required for foam aerosols. |
| Time equivalent | | | | |
| Deflagration density | | | | |
| Maximum flame height | | | | Testing is not required for spray aerosols. |
| Flame duration | | | | |

Assessment / Classification: N/A

Flammable solids

Justification for data waiving:

Safety characteristics:

| | Value | Method | Remark |
|-------------------------------|-------|--------|--------|
| Burning rate | | | |
| Burning rate with wetted zone | | | |
| Moisture content | | | |

Assessment / Classification: N/A



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Oxidising solids

Justification for data waiving:

Safety characteristics:

| | Value | Method | Remark |
|--|-------|--------|--------|
| Preliminary test | | | |
| Mean burning time of test mixture | | | |
| Mean burning time of reference mixture | | | |

Assessment / Classification: N/A

10. STABILITY AND REACTIVITY

- 10.1 Reactivity:** Product stable under normal conditions of use and storage
- 10.2 Chemical stability:** Product 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:** Combustion or thermal decomposition may evolve toxic and irritant vapours
- 10.5 Incompatible materials:** Avoid contact with strong acids, alkalis and oxidising agents
- 10.6 Hazardous decomposition:** Product stable under normal conditions of use and storage
Combustion or thermal decomposition may evolve toxic and irritant vapours

11. TOXICOLOGICAL INFORMATION

SECTION 11: Toxicological Information

Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

11.1.1 Acute Oral Toxicity: LD50 Median lethal dose >5,000 mg/kg

Acute Inhalation Toxicity: Information not available



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Acute Dermal Toxicity: Information not available

Skin Irritation: Information not available

Eye Irritation: Information not available

Respiratory or Skin Sensitization: Information not available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction: Information not available

Other information: None available

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

Aquatic toxicity: Mixture not classified as dangerous to the environment

Sediment toxicity: Mixture not classified as dangerous to the environment

Terrestrial toxicity: Mixture not classified as dangerous to the environment

Assessment / Classification: Mixture not classified as dangerous to the environment

12.2 Persistence and Degradability

Biodegradability: Components 100% biodegradable under aerobic conditions

12.3 Bioaccumulative Potential: Not applicable

12.4 Mobility in Soil: Not applicable

12.5 Results of PBT and vPvB assessment: Mixture not identified as PBT nor vPvB substance

12.6 Other adverse effects: None



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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.
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.

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 |
| 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



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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 of mixture:

15.1.1 EU regulations

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

15.2 Chemical Safety Assessment: A Chemical Safety Assessment has not been made for this mixture

16. OTHER INFORMATION

16.1 Indication of changes

16.2 Abbreviations and Acronyms

| | |
|------------------------------|--|
| ADR | International Carriage of Dangerous Goods by Road |
| CAS No | Chemicals Abstract Service Registry Number |
| 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: Unknown

16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008
[CLP]: See SECTION 2.1 (classification).



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16.5 Relevant R-, H- and EUH-phrases (number and full text): Not applicable

16.6 Training advice: Before using this product, ensure that you read and understand its label

16.7 Further information

MSDS information:

This Safety Data Sheet is prepared in compliance with Regulation 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.