



## SAFETY DATA SHEET

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

<b>Product</b>	<b>Rose Rescue RTU</b>
<b>Usage</b>	Home and garden pesticide
<b>Manufacturer</b>	Westland Horticulture Ltd 14 Granville Industrial Estate Granville Road Dungannon County Tyrone BT70 1NJ
<b>Email</b>	<a href="mailto:customerservice@WestlandHorticulture.com">customerservice@WestlandHorticulture.com</a>
<b>Emergency Tel</b>	01480 443789 (UK)

### 2. HAZARDS IDENTIFICATION

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

Aquatic Chr 2                      H411    Toxic to aquatic life with long lasting effects

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

N                      Dangerous for the environment  
R50/53                Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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

Hazard Pictograms                GHS09 – Environmentally damaging                

Signal Word                      None

Hazard Statements                H411    Toxic to aquatic life with long lasting effects

Precautionary Statements  
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.

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

Hazard Pictograms Dangerous for the environment



R- Phrases

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment



S- Phrases

S2 Keep out of reach of children  
 S13 Keep away from food, drink and animal feeding stuffs  
 S20/21 When using do not eat, drink or smoke  
 S23 Do not breathe spray  
 S51 Use only in well ventilated areas  
 S61 Avoid release to the environment

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Description** Ready to use insecticide and fungicide containing Cypermethrin 0.05g/l and Myclobutanil 0.075 g/l

#### Hazardous Ingredients

Ingredient	Identifiers	Concentration %W/W	Warning Symbols	Directive 67/548/EEC	Regulation (EC) No 1272/2008 (CLP)
Myclobutanil (ISO)	EC: 613-134-00-5 CAS: 88671-89-0	0.0075 % W/W		Repr Cat 3; R63 Xn; R22 Xi; R36 N; R51/53	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Repr.2, H361d STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Cypermethrin cis/trans 40/60	EC: 257-842-9 CAS: 52315-07-8	0.005 % W/W		Xn; R20/22 Xi; R37 N; R50/53	Acute Tox.4 (Oral), H302 Acute Tox.4 (inhalation), H332 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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



#### 4. FIRST AID MEASURES

- General Advice:** If medical advice is needed, have product container or label at hand.
- Inhalation:** Move person to fresh air.  
Keep patient warm and at rest.  
In case of breathing difficulties administer oxygen  
In case of irregular breathing or respiratory arrest provide artificial respiration  
In all cases of doubt, or when symptoms persist, seek medical advice.
- Skin Contact:** Remove all contaminated clothing and immediately wash with plenty of soap and water.  
If skin irritation occurs, get medical advice/attention.
- Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses, if present, and continue flushing.  
Get medical attention if irritation develops and persists.
- Ingestion:** Rinse mouth out with water if the person is conscious.  
Do NOT induce vomiting.  
Immediately seek medical advice and show container or label.
- Most Important symptoms and effects, both acute and delayed:**  
No additional information available
- Treatment (Medical Advice):**  
Treat symptomatically

#### 5. FIRE FIGHTING MEASURES

- Suitable Extinguishing Media:**  
Use water fog, alcohol-resistant foam, dry chemical or carbon dioxide
- Extinguishing Media Which Must Not Be Used For Safety Reasons:**  
High power water jet.
- Specific Hazards Arising From the Substance or Mixture:**  
Product is non flammable  
When expose to heat, may decompose liberating hazardous gases.
- Special Protective Equipment for Fire Fighters:**  
Wear full protective clothing and self-contained breathing apparatus.  
Do not breathe fumes in the event of fire and/or explosion
- Further Information:**  
Whenever possible, contain fire fighting water by diking area with sand or earth.  
Evacuate and limit access.  
Do not allow run-off from fire fighting to enter drains or water courses.  
Remove containers from areas of fire or cool endangered container with water spray.



## 6. ACCIDENTAL RELEASE MEASURES

### **Personal Precautions, Protective Equipment and Emergency Procedures:**

When leaks or spills occur, only properly protected personnel should remain in the area  
Wear suitable protective clothing, gloves and eye protection. In case of insufficient ventilation, wear suitable respiratory equipment  
Evacuate the area. Eliminate ignition sources. Provide adequate ventilation to minimise dust and/or vapour concentrations. Call an expert

### **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 collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container 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:**

- Handle in accordance with good industrial hygiene and safety procedures
- Keep away from heat/sparks/open flames/hot surfaces
- Do not allow to enter into surface water or drains
- When using do not eat, drink or smoke
- Remove contaminated clothing and wash before reuse
- Wash hand and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work

### **Storage:**

- Keep away from direct sunlight
- Store only in original container.
- Keep containers closed tightly in a dry, cool and well-ventilated place.
- Keep out of reach of children
- Keep away from strong acids, alkalis and oxidizing agents
- Physically and chemically stable for three years when stored in the original unopened sales container at ambient temperatures.

### **Specific End Uses:**

Use only as fungicide and insecticide according to the instruction on the label



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control Parameters:** Not additional information available

### 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 if technical exhaust or ventilation measures are not possible or insufficient.

**Hand Protection:** Wear suitable gloves resistant to chemical penetration. Nitrile rubber (NBR)

**Eye Protection:** Chemical goggles or safety glasses  
Emergency eye wash station and safety showers should be available in the immediate vicinity of any potential exposure

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear colourless liquid

**Odour:** Characteristic

### Other Properties:

	Value	Temperature
pH	5.0 - 7.5	20°C
Density	1.00 g/ml	20°C
Auto-ignition temperature	> 538°C	
Flash point	>79°C	
Explosive properties	Not explosive	
Oxidizing properties	Not oxidizing	



## 10. STABILITY AND REACTIVITY

- Stability:** This product is stable under normal conditions of storage and use
- Hazardous Decomposition:** Combustion or thermal decomposition will evolve toxic or irritant gases such as carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO) and nitrogen oxides (NO<sub>x</sub>)
- Conditions To Avoid:** Extremes of temperature and direct sunlight.  
Keep away from heat/sparks/open flames/hot surfaces. No smoking  
Strong acids, alkalis and oxidising agents

## 11. TOXICOLOGICAL INFORMATION

- Acute Toxicity:** Not classified
- Acute Oral Toxicity:** Rose Rescue LD50 Median lethal dose rat, >500000 mg/kg  
Cypermethrin cis/trans 40/60 LD50 Median lethal dose rat, 500 mg/kg  
Myclobutanil (ISO) LD50 Median lethal dose rat, 1600 mg/kg
- Acute Inhalation Toxicity:** Cypermethrin cis/trans 40/60 LC50 Median lethal concentration rat, 3.28 mg/l, 4h  
Myclobutanil (ISO) LC50 Median lethal concentration rat, 5.88 mg/l, 4h
- Acute Dermal Toxicity:** Rose Rescue LD50 Median lethal dose rat, >200000 mg/kg  
Cypermethrin cis/trans 40/60 LD50 Median lethal dose rat, >2000 mg/kg  
Myclobutanil (ISO) LD50 Median lethal dose rat, >5000 mg/kg  
LD50 Median lethal dose rabbit, >5000 mg/kg
- Skin Irritation:** Not classified
- Serious Eye Irritation:** Not classified
- Respiratory or Skin Sensitization:** Not classified
- Long Term Toxicity:** Not classified as mutagenic, carcinogenic, teratogenic or reproductive toxicity effects
- STOT- single and repeated exposure:** Not classified



## 12. ECOLOGICAL INFORMATION

### Toxicity

- **Toxicity To Fish:**

Rose Rescue	LC50, 27 mg/l, 96h
Cypermethrin Cis/trans 40/60	LC50, Salmo gairdneri, 0.0028 mg/l, 96h
Myclobutanil (ISO)	LC50, Salmo gairdneri, 2.3-4.2 mg/l, 96h
- **Toxicity To Aquatic Invertebrates:**

Rose Rescue	EC50 Daphnia magna (water flea), 1.7 mg/l, 48h
Cypermethrin Cis/trans 40/60	EC50 Daphnia magna (water flea), 0.0003mg/l, 48h
Myclobutanil (ISO)	EC50 Daphnia magna (water flea), 17 mg/l, 48h EC50 Crassostrea virginica, 0.72mg/l, 96h
- **Toxicity To Aquatic Plants:**

Rose Rescue	ErC50 Selenastrum capricornutum (Algae), 20800mg/l, 72h
Cypermethrin Cis/trans 40/60	ErC50 Selenastrum capricornutum (Algae), >0.1 mg/l, 96h
Myclobutanil (ISO)	ErC50 Desmodemus subspicatus (Algae), 2655 mg/l, 96h

**Persistence and Degradability** :Cypermethrin and Myclobutanil are not readily biodegradable.  
Myclobutanil may cause long term adverse effects in the environment

**Bioaccumulative Potential:** Cypermethrin Cis/trans 40/60 BCF fish, Salmo gairdneri, 1204 mg/l, Log Pow 5.3 - 5.6 (25 °C)  
Myclobutanil BCF fish < 100, Log Pow 2.94

**Mobility in Soil:** Myclobutanil is low mobile in soil. Surface tension 46.8 mN/m (24 °C). Log Koc 518

**Results of PBT and vPvB assessment:** No additional information available

**Other Information:** No additional information available

## 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 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)

UN Number: UN 3082  
UN Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYPERMETHRIN, MYCLOBUTANIL)  
Transport hazard class: 9  
Packing group: III  
Labels: 9  
Environmental hazards: Environmentally hazardous

### Sea Transport (IMDG)

UN Number: UN 3082  
UN Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYPERMETHRIN, MYCLOBUTANIL)  
Transport hazard class: 9  
Packing group: III  
Labels: 9  
Environmental hazards: Marine pollutant

### Air Transport (IATA-DGR)

UN Number: UN 3082  
UN Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYPERMETHRIN, MYCLOBUTANIL)  
Transport hazard class: 9  
Packing group: III  
Labels: 9

**Special precautions for user:** None

## 15. REGULATORY INFORMATION

**Registration Numbers:** MAPP 15927  
PCS 04801

### Safety, health and environmental regulations/legislation specific for the substance of mixture:

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

**Contains:** Cypermethrin cis/trans 40/60 and Myclobutanil (ISO)

**Chemical Safety Assessment:** No additional information available





## 16. OTHER INFORMATION

**Recommended uses and restrictions:** Follow the instructions

### Full texts of abbreviated H Statements referred to under Section 3:

H302	Harmful if swallowed
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

### Full text of R Phrases referred to under Section 3:

R20/22	Harmful by inhalation and if swallowed
R22	Harmful if swallowed
R36	Irritating to eyes
R37	Irritating to respiratory system
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R63	Possible risk of harm to the unborn child

### Full text of Classifications

- **CLP/GHS:** Acute Tox 4; Acute Toxicity, Category 4  
Aquatic Acute 1; Aquatic Acute Toxicity, Category 1  
Aquatic Chr 1; Aquatic Chronic Toxicity, Category 1  
Aquatic Chr 2; Aquatic Chronic Toxicity, Category 2  
Eye Irrit 2; Eye Irritation, Category 2  
Repr 2; Reproductive toxicity, Category 2  
STOT RE 2; Specific Target Organ Toxicity – Repeated Exposure, Category 2  
STOT SE 3; Specific Target Organ Toxicity – Single Exposure, Category 3
- **DSD/DPD:** Xn; Harmful  
Xi; Irritant  
N; Dangerous for the environment  
Repr Cat 3; Reproductive toxicity, Category 3



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## 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

## 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.