



# Safety Data Sheet

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

Trade name: . Resolva Xpress 24H (RTU)

MAPP 19538 PCS 06670

Version:3.0

Revision date: 25.08.2021

Print date:25.08.2021

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

**1.1 Product identifier**      **Resolva Xpress 24H (RTU)**                      **MAPP 19538**      **PCS 06670**

**1.2 Relevant identified use**    Herbicide

### 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](mailto: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:

Not classified

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

Hazard Pictograms                      Not classified

Signal Word                                      Not classified

Hazard Statements                      Not classified

Precautionary Statements

P101                      If medical advice is needed, have product container or label at hand  
P102                      Keep out of reach of children  
P103                      Read carefully and follow all instructions



# Safety Data Sheet

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

Trade name: . Resolva Xpress 24H (RTU)

MAPP 19538 PCS 06670

Version:3.0

Revision date: 25.08.2021

Print date:25.08.2021

Supplemental Information

EUH401

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

## Additional information:

Do not contaminate water with the product or its container.

**2.3 Other Hazards:** none known

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:** N/A

**3.2 Description** Herbicide with pelargonic acid- contained as ammonium salt

### Hazardous Ingredients

Ingredient	Identifiers	Concentration %W/W	Warning Symbols	Regulation (EC) No 1272/2008 (CLP)
Propan-2-ol	EC: 200-661-7 CAS: 67-63-0	2% (20g/L)	 	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336
Nonanoic acid (Pelargonic acid)	EC: 203-931-2 CAS: 112-05-0	3.3% (31.02g/L)		Skin Irrit. 2 H315 Eye Irrit. 2 H319 Aquatic Chronic 3. H412

## 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.  
Avoid any unnecessary contact with the product

**Inhalation:** Move person to fresh air.



# Safety Data Sheet

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

Trade name: . Resolva Xpress 24H (RTU)

MAPP 19538 PCS 06670

Version:3.0

Revision date: 25.08.2021

Print date:25.08.2021

- 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.

## 4.2 Most important symptoms and effects, both acute and delayed

Treat symptomatically

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

Treat symptomatically

## 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing Media:

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

### 5.2 Specific Hazards Arising From the Substance or Mixture: No information available

### 5.3 Advice for Fire Fighters:

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

### Additional 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

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

Forms slippery surfaces with water

### 6.2 Environmental Precautions:



# Safety Data Sheet

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

Trade name: . Resolva Xpress 24H (RTU)

MAPP 19538 PCS 06670

Version:3.0

Revision date: 25.08.2021

Print date:25.08.2021

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

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe 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

### 7.2 Conditions for safe storage, including any incompatibilities

- 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

### 7.3 Specific End Uses:

Use only as herbicide according to the instruction on the label

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

No ingredients with limit values that require monitoring at the workplace



# Safety Data Sheet

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

Trade name: . Resolva Xpress 24H (RTU)

MAPP 19538 PCS 06670

Version:3.0

Revision date: 25.08.2021

Print date:25.08.2021

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

**8.2.2 Personal protective equipment:** 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

### 9.1 Information on basic physical and chemical properties

**Appearance:** yellowish liquid

**Physical state:** liquid

**Colour:** yellowish

**Odour:** Slight alcoholic

**Odour threshold:** not determined

### 9.2 Other information:

	Value	Concentration	Method	Temperature	Pressure	Remark
pH	7.8	-	-	20°C	-	-
Melting point/freezing point	-	-	-	-	-	-
Initial boiling point/boiling range	-	-	-	-	-	-
Flash point	63°C	-	-	-	-	-
Evaporation rate	-	-	-	-	-	-
Flammability (solid, gas)	-	-	-	-	-	-
Upper/lower flammability	-	-	-	-	-	-



# Safety Data Sheet

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

Trade name: . Resolva Xpress 24H (RTU)

MAPP 19538 PCS 06670

Version:3.0

Revision date: 25.08.2021

Print date:25.08.2021

or explosive limits						
Upper explosive limits	-	-	-	-	-	-
Lower explosive limits	-	-	-	-	-	-
Vapour pressure	-	-	-	-	-	-
Vapour density	-	-	-	-	-	-
Relative density	1.00g/ml	-	-	20°C	-	-
Solubility(ies)	v.soluble in water	-	-	-	-	-
Partition coefficient: n-octanol/water	-	-	-	-	-	-
Auto-ignition temperature	-	-	-	-	-	-
Decomposition temperature	-	-	-	-	-	-
Viscosity	-	-	-	-	-	-
Viscosity, dynamic	7mPa*s	-	-	20°C	-	-
Viscosity, cinematic	-	-	-	-	-	-
Explosive properties	N/A	-	-	-	-	-
Oxidising properties	N/A	-	-	-	-	-

Physical hazards: none known

## 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** Hazardous reactions will not occur under normal transport or storage conditions

**10.2 Chemical stability:** Stable under normal conditions of storage, handling and use

**10.3 Possibility of hazardous reactions** Hazardous reactions will not occur under normal transport or storage conditions

**10.4 Conditions to avoid:** Stable under normal conditions of storage, handling and use

**10.5 Incompatible materials:** Stable under normal conditions of storage, handling and use



# Safety Data Sheet

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

Trade name: . Resolva Xpress 24H (RTU)

MAPP 19538 PCS 06670

Version:3.0

Revision date: 25.08.2021

Print date:25.08.2021

**10.6 Hazardous decomposition products:** : No decomposition if used according to specifications

## 11. TOXICOLOGICAL INFORMATION

### Toxicokinetics, metabolism and distribution

#### 11.1 Information on toxicological effects

**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 Corrosion/Irritation:** Non irritant, rabbit; OECD 404

**Eye Damage/Irritation:** Non irritant, rabbit; OECD 405

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

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** none known

## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** No information available

**12.2 Persistence & Degradability:** No information available

**12.3 Bio-accumulative 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.



# Safety Data Sheet

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

Trade name: . Resolva Xpress 24H (RTU)

MAPP 19538 PCS 06670

Version:3.0

Revision date: 25.08.2021

Print date:25.08.2021

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)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1 UN No.</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>14.2 UN Proper shipping name</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>14.3 Transport hazard class(es)</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>Hazard label(s)</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>14.4 Packing group</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>14.5 Environmental hazards</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods

**14.6 Special precautions for user:** None known

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

**Additional information:** None known

## 15. REGULATORY INFORMATION

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

**15.1.1 EU regulations**      **Registration Numbers:**      MAPP 19538 PCS 06670



# Safety Data Sheet

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

Trade name: . Resolva Xpress 24H (RTU)

MAPP 19538 PCS 06670

Version:3.0

Revision date: 25.08.2021

Print date:25.08.2021

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

## 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
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).

**16.5 Relevant H- and EUH-phrases (number and full text):**

H225	Highly flammable liquid and vapour
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H412	Harmful to aquatic life with long-lasting effects

**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.



# Safety Data Sheet

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

Trade name: . Resolva Xpress 24H (RTU)

MAPP 19538 PCS 06670

Version:3.0

Revision date: 25.08.2021

Print date:25.08.2021

---

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.