



Safety Data Sheet

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

Trade name: . Resolva Xpress 24H Concentrate

MAPP 19541 PCS 06671

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 identifier Resolva Xpress 24H Concentrate MAPP 19541 PCS 06671

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

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 GHS07



Signal Word Warning

Hazard Statements H319 causes serious eye irritation

Precautionary Statements

P101 If medical advice is needed have product container or label at hand
P102 Keep out of reach of children



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P103	Read carefully and follow all instructions
P264	Wash hands thoroughly after use
P280	Wear eye protection/protective clothing
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing
P337+P313	If eye irritation persists, get medical advice/attention

Supplemental Information

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

2.3 Other hazards

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances N/A

3.2 Description Weedkiller containing pelargonic acid as a concentrated solution

Hazardous Ingredients

Ingredient	Identifiers	Concentration %W/W	Warning Symbols	Regulation (EC) No 1272/2008 (CLP)
Pelargonic acid	EC: 203-931-2 CAS: 112-05-0	19.45%		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.



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- 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

No product-specific symptoms known.

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, 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



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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 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 eating, drinking or smoking 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



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No ingredients with limit values that require monitoring at the workplace

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: light yellow liquid

Physical state: liquid

Colour: light yellow

Odour: Characteristic

Odour threshold: none known

9.2 Other information:

	Value	Concentration	Method	Temperature	Pressure	Remark
pH	8.25-8.45	-	-	20°C	-	-
Melting point/freezing point	-	-	-	-	-	-
Initial boiling	-	-	-	-	-	-



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point/boiling range						
Flash point	>95°C	-	-	-	-	-
Evaporation rate	-	-	-	-	-	-
Flammability (solid, gas)	-	-	-	-	-	-
Upper/lower flammability or explosive limits	-	-	-	-	-	-
Upper explosive limits	-	-	-	-	-	-
Lower explosive limits	-	-	-	-	-	-
Vapour pressure	-	-	-	-	-	-
Vapour density	-	-	-	-	-	-
Relative density	0.96g/cm ³	-	-	20°C	-	-
Solubility(ies)	v.soluble in water	-	-	20°C	-	-
Partition coefficient: n-octanol/water	-	-	-	-	-	-
Auto-ignition temperature	>320°C	-	-	-	-	-
Decomposition temperature	-	-	-	-	-	-
Viscosity	11-16 mPa	-	-	20°C	-	-
Viscosity, dynamic	-	-	-	-	-	-
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



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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

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:

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	NOEC 100 mg/l (96 h)	rainbow trout	OECD 203	
Daphnia	NOEC 10 mg/l (48 h)	Daphnia magna	OECD 202	
Algae	NOEC 20 mg/l (72 h)	Scenedesmus subspicatus	OECD 201	



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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. 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)
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



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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 19541
PCS 06671

15.2 Chemical Safety Assessment: No information available

16. OTHER INFORMATION

16.1 Indication of changes: addition of CLP classification – 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).



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

H315	Causes skin irritation
H319	Causes serious eye irritation
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.

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.