

Safety Data Sheet

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



Trade name: Resolva Xtra Clean
Version: 1.0

Revision date: 2nd October 2018

Print date: 2.10.2018

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

1.1 Product Identifier

Name Resolva Xtra Clean

1.2 Relevant Identified Uses of the Mixture

Usage Algacide and surface biocide

1.3 Details of the Supplier of the Safety Data Sheet

Supplier 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) 24 hrs

2. HAZARDS IDENTIFICATION

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

Skin Irrit.2	H315 Causes skin irritation
Eye Irr. 2	H318 Causes serious eye damage
Aquatic Acute. 1	H410 Very toxic to aquatic life with long lasting effects

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

Hazard Pictograms



Signal Word

Danger

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Precautionary Statements

P264 Wash with soap and water thoroughly after handling
P280 Wear protective gloves, clothing and eye or face protection
P302+ P352 IF ON SKIN: Wash with plenty of water
P305+351+338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing
P332+P313 If skin irritation occurs, get medical attention
P362+P364 Take off contaminated clothing and wash it before re-use.
P501 Dispose of contents/container in accordance with local regulations

Supplemental Information

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

Additional labelling: none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances N/A

3.2 Description Aqueous surface biocide and disinfectant concentrate containing 4.99% Alkyl Dimethyl Benzyl Ammonium Chloride (ADBAC)

Hazardous Ingredients

Ingredient	Identifiers	Concentration %W/W	Warning Symbols	Regulation (EC) No 1272/2008 (CLP)
Alkyl Dimethyl Benzyl Ammonium Chloride	CAS: 68424-85-1	5.0% W/W		Acute Tox. 4; H302, H312 Skin Corr. 1B; H314 Aquatic Acute 1; H400

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Additional information:

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

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 doctor, 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
Get medical attention if adverse health effects persist or are severe

Skin Contact: Wash contaminated skin with plenty of soap and water
Remove contaminated clothing and shoes
If skin irritation persists avoid further exposure and get medical attention
Wash contaminated clothing before re-use

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 irritation occurs

Ingestion: Wash out mouth with water
Do NOT induce vomiting unless directed to do so by medical personnel
Give small quantities of water to drink if exposed person is conscious
Get medical attention

4.2 Most Important symptoms and effects, both acute and delayed:

Irritating to skin, can cause serious eye damage

4.3 Indication of any immediate medical attention and special treatment needed : None

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media:

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

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5.2 Specific Hazards Arising From the Substance or Mixture:

As the product contains organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).

Exposure to decomposition products may be a hazard to health

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours

5.3 Advice for Fire Fighters:

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

Additional Information:

This material is very toxic to aquatic organisms

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:

For non-emergency personnel: Keep unprotected people away

Restrict access to the area as appropriate until clean-up operations are complete

For emergency responders

Refer to protective measures listed in sections 7 and 8.

Do not touch or walk through spilt material

6.2 Environmental Precautions:

Prevent further leakage or spillage if safe to do so, and contain spillage.

Do not allow to enter drainage system, surface or ground water.

Inform respective authorities in case product reaches water or sewage system.

6.3 Methods and Materials for Containment and Cleaning Up:

Absorb with liquid binding material (sand, diatomite, acid binder, universal binder, sawdust, earth).

Sweep up contaminated absorbent material and place in a marked container for disposal as waste according to Section 13.

Ensure adequate ventilation

Contaminated surfaces may be cleaned using water or water-detergent mixture

Dilute with water and mop up afterwards or in case of small spillage

6.4 Reference to other sections: See SECTION 13 for disposal of waste

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7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

- Ensure good ventilation/exhaustion at the workplace
- Do not breathe vapour or mist
- Avoid contact with clothing, eyes and skin.
- Take off immediately all contaminated clothing
- Wash hands during breaks and after using this product
- Do not drink, eat or smoke while handling this product
- Keep children and pets away from treated areas until spray has dried

7.2 Conditions for safe storage, including any incompatibilities

Storage:

- Store only in original container protected from direct sunlight
- 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
- Store between 5-40°C

7.3 Specific End Uses:

Use only as a surface biocide according to the instructions on the label

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

- 8.1.1 Exposure Limit Values not available
- 8.1.2 Biological limit values: none
- 8.1.3 Exposure limits at intended use: none
- 8.1.4 DNEL/PNEC-values: no data available
- 8.1.5 Risk management measures according to used control banding approach

8.2 Exposure Controls

The usual precautionary measures should be adhered to general rules for handling chemicals.

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8.2.1 Appropriate engineering controls: 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.

8.2.2 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: Protective gloves (PVC, rubber or nitrile)

Eye Protection: Safety glasses

Skin And Body Protection: Protective work clothing

8.2.3 Environmental exposure controls: No data

Consumer exposure control: No data

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Clear, colourless liquid

Physical state: liquid

Colour: Clear

Odour: Characteristic

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Odour threshold: No data

9.2 Other information:

	Value	Concentration	Method	Temperature	Pressure	Remark
pH	7.0-8.5	-	-	20°C	-	-
Melting point/freezing point	-	-	-	-	-	-
Initial boiling point/boiling range	-	-	-	-	-	-
Flash point	>100°C	-	-	-	-	-
Evaporation rate	-	-	-	-	-	-
Flammability (solid, gas)	-	-	-	-	-	-
-Upper/lower flammability or explosive limits	-	-	-	-	-	-
Upper explosive limits	-	-	-	-	-	-
Lower explosive limits	-	-	-	-	-	-
Vapour pressure	-	-	-	-	-	-
Vapour density	-	-	-	-	-	-
Relative density	1.00g/ml	-	-	-	-	-
Solubility(ies)	Completely soluble in water	-	-	-	-	-
-Partition coefficient: n-octanol/water	-	-	-	-	-	-
Auto-ignition temperature	-	-	-	-	-	-
Decomposition temperature	-	-	-	-	-	-
Viscosity	-	-	-	-	-	-
Viscosity, dynamic	-	-	-	-	-	-
Viscosity, cinematic	-	-	-	-	-	-
Explosive properties	None	-	-	-	-	-
Oxidising properties	None	-	-	-	-	-

Physical hazards: None

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10. STABILITY AND REACTIVITY

10.1 Reactivity: Stable under normal conditions of storage, handling and use

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: Extremes of temperature and direct sunlight. Must be protected from frost
Avoid release to the environment

10.5 Incompatible Materials: No information available

10.6 Hazardous decomposition products: No decomposition if used according to specifications
Thermal decomposition products may include toxic and corrosive fumes of chloride and toxic nitrogen oxides

11. TOXICOLOGICAL INFORMATION

The toxicological data has been taken from higher concentration products

Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

Acute Oral Toxicity: no data available

Acute Inhalation Toxicity: no data available

Acute Dermal Toxicity: no data available

Skin Corrosion/Irritation: Irritating to skin according to The Episkin reconstituted human epidermis model

Eye damage/Irritation: Causes serious eye irritation



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Respiratory or Skin Sensitization: Not expected to be sensitising

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

None of the components in this product are known to be mutagenic, carcinogenic or toxic to reproduction and development

12. ECOLOGICAL INFORMATION

12.1 Toxicity

This product has not been tested. Toxicity data based on Benzalkonium Chloride (BAC)

- **Toxicity To Fish:** BAC: LC50 Median lethal concentration, 0.85 mg/l, 96h
- **Toxicity To Aquatic Invertebrates:** BAC: EC50 Median lethal concentration Daphnia, 0.02 mg/l, 48h
- **Toxicity To Aquatic Plants:** BAC: EC50 algae, 0.06 mg/l, 72h

12.2 Persistence and Degradability

Biodegradability: No data available

12.3 Bioaccumulative Potential: No data available

12.4 Mobility in Soil: No data available

12.5 Results of PBT and vPvB assessment: No data available

12.6 Other adverse effects: None

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.
Disposal by incineration under controlled conditions.

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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.	UN3082	UN3082	UN3082	UN3082
14.2 UN Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE – liquid dimethylbenzylammonium	ENVIRONMENTALLY HAZARDOUS SUBSTANCE – liquid dimethylbenzylammonium	ENVIRONMENTALLY HAZARDOUS SUBSTANCE – liquid dimethylbenzylammonium	ENVIRONMENTALLY HAZARDOUS SUBSTANCE – liquid dimethylbenzylammonium
14.3 Transport hazard class(es)	9	9	9	9
Hazard label(s)				
14.4 Packing group	III	III	III	III
14.5 Environmental hazards	Very toxic to aquatic life with long lasting effects	Very toxic to aquatic life with long lasting effects	Very toxic to aquatic life with long lasting effects	Very toxic to aquatic life with long lasting effects

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

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15. REGULATORY INFORMATION

15.1 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

15.2 Chemical Safety Assessment: A Chemical Safety Assessment is not required 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
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

16.3 Key literature references and sources for data; Lodi UK Ltd

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):

Skin Irrit.2	H315 Causes skin irritation
Eye Irr. 2	H318 Causes serious eye damage
Aquatic Acute. 1	H410 Very toxic to aquatic life with long lasting effects

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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 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.