

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

Trade name: Resolva Xtra Tough Tree Stump killer

Version: 1.0 Revision date: 27.07. 2018 Print date: 27.07 2018

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

1.1 Product Identifier

Name Resolva Xtra ToughTree Stump killer MAPP 16029

**CAS No** 1071-83-6

1.2 Relevant Identified Uses of the Mixture

Usage Herbicide

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** <u>customerservice@WestlandHorticulture.com</u>

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:

The mixture does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008

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

Hazard Pictograms None

Signal Word None

Hazard Statements None



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

Trade name: Resolva Xtra Tough Tree Stump killer

 Version: 1.0
 Revision date: 27.07. 2018
 Print date: 27.07 2018

# **Precautionary Statements**

P102 Keep out of reach of children

P270 Do not eat, drink or smoke when using this product

P280 Wear suitable gloves, protective clothing and eye/face protection P301+312 If swallowed, seek medical advice and show this container or label

P305+351 If in eyes, rinse cautiously with water for several minutes

P273 Avoid release to the environment

P501 Dispose of contents/container to an approved waste disposal contractor

or collection site

Supplemental Hazard Information: none

Special rules for supplemental label elements for certain mixtures: none

Additional labelling: none

2.3 Other hazards: none

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances N/A

### 3.2 Mixtures

**Description** Herbicide containing 7.2%W/W of glyphosate as a ready to use liquid suspension

### **Hazardous Ingredients**

Ingredient	Identifiers	Concentration %W/W	Warning Symbols	Regulation (EC) No 1272/2008 (CLP)
Glyphosate	EC: 213-997-4 CAS: 1071-83-6	7.2 % W/W		Eye Dam. 1, H318 Aquatic Chr. 2, H411

### **Additional Information:**



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

Trade name: Resolva Xtra Tough Tree Stump killer

Version: 1.0 Revision date: 27.07. 2018 Print date:27.07 2018

This mixture does not contain further substances fulfilling the criteria of hazard class "acute toxicity" according to CLP regulation

### 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.

Remove any clothing soiled by the product

**Inhalation:** Move the victim to fresh air

Keep patient warm and at rest.

Seek medical attention if symptoms persist or develop

**Skin Contact:** Wash off with plenty of soap and water immediately

Take off all contaminated clothing and launder before re-use

Seek medical attention if symptoms persist or develop

**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 symptoms persist or develop

**Ingestion:** If swallowed seek medical advice immediately and show container or label.

**Self-protection of the first-aider:** Wear gloves as standard practice

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

Symptoms: - None

Effects: None

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

No further relevant information available



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

Trade name: Resolva Xtra Tough Tree Stump killer

Version: 1.0 Revision date: 27.07. 2018 Print date:27.07 2018

### 5. FIRE FIGHTING MEASURES

### 5.1 Suitable Extinguishing Media:

Extinguishing media – small fires: Use water jet, alcohol-resistant foam, dry chemical or

carbon dioxide

Extinguishing media – large fires:

Alcohol resistant foam or water jet

### 5.2 Specific Hazards Arising From the Substance or Mixture:

Possible formation of toxic gases during heating or in fire: nitrogen oxides (NOx), carbon monoxide (CO), sulphur dioxide (SO2). Under certain conditions traces of other toxic gases cannot be excluded.

# 5.3 Special Protective Equipment for Fire Fighters:

Wear full protective clothing and self-contained breathing apparatus.

Do not inhale explosion or combustion gases.

#### **Further Information:**

Do not allow run-off from fire fighting to enter drains or water courses.

Dispose of fire debris and contaminated water in accordance with official regulations.

Cool closed containers exposed to fire with water spray. Keep upwind

#### 6. ACCIDENTAL RELEASE MEASURES

# 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

For non-emergency personnel: Keep unprotected people away

**6.2 Environmental precautions:** Restrict access to the area as appropriate until clean-up operations are complete. Inform respective authorities in case product reaches water or sewage system. Do not allow to enter drainage system, surface or ground water.

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

**6.3: Methods and Materials for Containment and Cleaning Up:** Absorb with liquid binding material (sand, diatomite, acid binder, universal binder, sawdust, earth).



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

Trade name: Resolva Xtra Tough Tree Stump killer

Version: 1.0 Revision date: 27.07. 2018 Print date: 27.07 2018

**6.4 Reference to other sections:** Refer to protective measures listed in sections 7 and 8.

### 7. HANDLING AND STORAGE

# 7.1 Precautions for safe handling

#### **Protective measures:**

# Handling:

- Ensure good ventilation/exhaustion at the workplace, prevent formation of aerosols
- Avoid contact with the 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

- 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 food, drink and animal feeding stuffs.
- Protect from frost
- Keep ignition sources away
- Protect from heat and direct sunlight

### 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



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

Trade name: Resolva Xtra Tough Tree Stump killer

Version: 1.0 Revision date: 27.07. 2018 Print date: 27.07 2018

# 8.1.1: Occupational Exposure limits:

Limit value type (country of origin)	Substance name	EC-No.	CAS.No	Occupational exposure limit value		Monitoring and observation processes	Peak limitation	Source
				Long term	Short term			
OEL (EU)	Glyphosate	213- 997-4	1071-83- 6	8h TWA			10mg/m³	Syngenta

# 8.1.2 Biological limit values:

Limit value type (country of origin)	Substance name	EC-No.	CAS-No.	Limit Value	Parameter	Test material	Test date	Source
OEL (EU)	Glyphosate	213-997- 4	1071-83- 6	10mg/ m³	No data	No data	No data	Syngenta

# 8.1.3: Exposure limits at intended use

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

### 8.1.4: DNEL/PNEC-values: N/A

# 8.1.5 Risk management measures according to used control banding approach

Control banding for chemicals according to the ILO CHEMICAL CONTROL TOOLKIT (ICCT)

Task	Hazard band	Scale of use	Ability to become airborne	Control approach	Control guidance sheet
N/A	N/A	N/A	N/A	N/A	N/A



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

Trade name: Resolva Xtra Tough Tree Stump killer

Version: 1.0 Revision date: 27.07. 2018 Print date: 27.07 2018

# **8.2 Exposure Controls**

**8.2.1 Appropriate Engineering Controls:** The use of technical measures should always have priority over the

use of personal protective equipment

8.2.2 Personal protective equipment:

Protective Measures: When selecting personal protective equipment, seek appropriate professional

advice. Personal protective equipment should be certified to appropriate

standards

Respiratory Protection: Breathing protection is recommended during spraying. Recommended filter

device: Filter P1

Hand Protection: Protective gloves (rubber)

**Eye Protection:** Safety glasses

Skin And Body Protection: Protective work clothing

### 8.2.3 Environmental exposure controls:

Consumer exposure control: See section 8.14

### 9. PHYSICAL AND CHEMICAL PROPERTIES

# 9.1 Information on basic physical and chemical properties

**Appearance:** Colourless liquid

Physical state: Liquid
Colour: Colourless
Odour: Characteristic

Odour threshold: no data



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

Trade name: Resolva Xtra Tough Tree Stump killer

Version: 1.0 Revision date: 27.07. 2018 Print date:27.07 2018

# Other Properties:

Explosive properties: Product is not explosive

### 9.2 Other information:

	Value	Concentration	Method	Temperature	Pressure	Remark
pH	3.54	No data	No data	20°C	No data	No data
Melting point /freezing point	No data	No data	No data	No data	No data	No data
Initial boiling point/boiling range	No data	No data	No data	No data	No data	No data
Flash point	No data	No data	No data	No data	No data	No data
Evaporation rate	No data	No data	No data	No data	No data	No data
Flammability (solid, gas)	No data	No data	No data	No data	No data	No data
Upper/lower flammability or	No data	No data	No data	No data	No data	No data
explosive limits						
Upper explosive limits	No data	No data	No data	No data	No data	No data
Lower explosive limits	No data	No data	No data	No data	No data	No data
Vapour pressure	No data	No data	No data	No data	No data	No data
Vapour density	No data	No data	No data	No data	No data	No data
Relative density	1.1 g/ml	No data	No data	No data	No data	No data
Solubility(ies)	Soluble	No data	No data	No data	No data	No data
	in water					
Partition coefficient: n-octanol/water	No data	No data	No data	No data	No data	No data
Auto-ignition temperature	No data	No data	No data	No data	No data	No data
Decomposition temperature	No data	No data	No data	No data	No data	No data
Viscosity	No data	No data	No data	No data	No data	No data
Viscosity, dynamic	No data	No data	No data	No data	No data	No data
Viscosity, cinematic	1.645cSt	No data	No data	No data	No data	No data
Explosive properties	No data	No data	No data	No data	No data	No data
Oxidising properties	No data	No data	No data	No data	No data	No data

Physical hazards: N/A

### 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



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

Trade name: Resolva Xtra Tough Tree Stump killer

Version: 1.0 Revision date: 27.07. 2018 Print date: 27.07 2018

10.4 Conditions To Avoid: Extremes of temperature. It must be protected from frost

**10.5 Incompatible Materials**: No information available

**10.6 Hazardous Decomposition**: 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

### Toxicokinetics, metabolism and distribution

The toxicological data has been taken from higher concentration products

# 11.1 Information on toxicological effects

#### 11.1.1

### **Acute toxicity**

Practical experience / human evidence:

Animal data: LD50 Median lethal dose rat 5,000 mg/kg

Other information:

Assessment / Classification: Based on available data, the classification criteria are not met.

# Skin corrosion/irritation

Practical experience / human evidence: No irritant effect

# Acid-/Alkali reserve (buffer capacity for mixtures with extreme pH values)

Acidic reserve [g NaOH/100 g product]: No data

Alkaline reserve [g H2SO4/100 g product]: No data

Animal data: LD50 Median lethal dose Rat, >5,000 mg/kg



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

Trade name: Resolva Xtra Tough Tree Stump killer

Version: 1.0 Revision date: 27.07. 2018 Print date:27.07 2018

In-vitro skin test: No data

Other information: None

Assessment / Classification: No irritant effect

Eye damage/irritation

Practical experience / human evidence: No irritant effect

Animal data: No data

In vitro eye test: No data

Other information: None

Assessment / Classification: Based on available data, the classification criteria are not met.

Sensitisation to the respiratory tract/skin

Sensitisation to the respiratory tract

Practical experience / human evidence: No sensitization effect known

Other information:

Assessment / Classification: Based on available data, the classification criteria are not met.

**Skin sensitisation** 

**Practical experience / human evidence:** No sensitization effect known

Animal data: No sensitization effect known

Other information: None

**Assessment / Classification:** Based on available data, the classification criteria are not met.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Reproductive toxicity



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

Trade name: Resolva Xtra Tough Tree Stump killer

Version: 1.0 Revision date: 27.07. 2018 Print date: 27.07 2018

**Practical experience / human evidence:** No mutagenic, carcinogenic, teratogenic or reproductive toxicity effects known

Animal data: No mutagenic, carcinogenic, teratogenic or reproductive toxicity effects known

Other information: None

**Assessment / Classification:** Based on available data, the classification criteria are not met.

Overall assessment on CMR properties: No mutagenic, carcinogenic, teratogenic or reproductive

toxicity effects known

**Aspiration hazard** 

Practical experience / human evidence: No data available.

**Experimental data:** viscosity data: see SECTION 9.

**Assessment / Classification:** Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics:

In case of ingestion:Refer to Section 4 of this DocumentIn case of skin contact:Refer to Section 4 of this DocumentIn case of inhalation:Refer to Section 4 of this DocumentIn case of eye contact:Refer to section 4 of this Document

### 11.1.2 Mixtures

Acute toxicity: LD50 Median lethal dose rat 5,000 mg/kg

Skin/Eye irritation: No irritant effect

**Corrosivity**: Based on available data, the classification criteria are not met.

Sensitisation: No sensitization effect known

Repeated dose toxicity: LC50 Median lethal concentration Rat, >5.7 mg/l, 4h



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

Trade name: Resolva Xtra Tough Tree Stump killer

 Version: 1.0
 Revision date: 27.07. 2018
 Print date: 27.07 2018

Carcinogenicity: No mutagenic, carcinogenic, teratogenic or reproductive toxicity effects known

Mutagenicity: No mutagenic, carcinogenic, teratogenic or reproductive toxicity effects known

Toxicity for Reproduction: No mutagenic, carcinogenic, teratogenic or reproductive toxicity effects known

STOT- repeated exposure: No data available

### 12. ECOLOGICAL INFORMATION

# 12.1 Toxicity

Based on test results obtained from higher concentration product

Toxicity To Fish: LC50 >100mg/l

Toxicity To Aquatic Invertebrates: Daphnia magna (water flea) LC50 >100 mg/l

Toxicity To Aquatic Plants: Algae EC50 >100mg/l

Sediment Toxicity: None

Terrestrial Toxicity:

**Toxicity to Bird:** LC50 >3851mg/kg

Toxicity to bee: LD50>100µg/bee

**12.2 Persistence and Degradability:** Not persistent in water, moderately persistent in soil

**12.3 Bioaccumulative Potential:**Does not bioaccumulate

**12.4 Mobility in Soil:** Strongly absorbs to soil



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

Trade name: Resolva Xtra Tough Tree Stump killer

Version: 1.0 Revision date: 27.07. 2018 Print date: 27.07 2018

### 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

### **12.6** Other adverse effects: No data available

# Additional ecotoxicological information

Avoid release to the environment Do not allow product to reach groundwater, water bodies or sewage system

### 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

# **Product / Packaging disposal:**

**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.

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



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

Trade name: Resolva Xtra Tough Tree Stump killer

Version: 1.0 Revision date: 27.07. 2018 Print date: 27.07 2018

14.2 UN Proper shipping name	Not dangerous goods	Not dangerous goods	Not dangerous	Not dangerous goods
			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

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

**Additional information** 

# 15. REGULATORY INFORMATION

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

# 15.1.1 EU regulations

Authorisations and/or restrictions on use:

Authorisations: MAPP 16660

Restrictions on use: No data available

**Other EU regulations:** This mixture is classified and labelled according to the CLP Regulation (EC) No 1272/2008

# 15.1.2 National regulations



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

Trade name: Resolva Xtra Tough Tree Stump killer

Version: 1.0 Revision date: 27.07. 2018 Print date: 27.07 2018

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

### 15.2 Chemical Safety Assessment:

For this substance a chemical safety assessment is not required.

### 16. OTHER INFORMATION

### 16.1 Indication of changes: None

### 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

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

H318 Causes serious eye damage

H411 Toxic to aquatic life with long lasting effects



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

Trade name: Resolva Xtra Tough Tree Stump killer

Version: 1.0 Revision date: 27.07. 2018 Print date: 27.07 2018

#### **Full text of Classifications**

CLP/GHS: Aquatic Chr 2; Aquatic Chronic Toxicity, Category 2

Eye Dam 1; Eye Damage, Category 1

### 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.