



## SAFETY DATA SHEET NEW-WAY WEED SPRAY

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name NEW-WAY WEED SPRAY

Product number PST012/5

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses As a horticultural/industrial herbicide and mosskiller.

#### 1.3. Details of the supplier of the safety data sheet

Supplier Headland Amenity Ltd  
1 Burr Elm Court  
Main Street  
Caldecote  
Cambridge  
Cambridgeshire  
CB23 7NU  
Tel. +44 (0)1223 491090  
sds.enquiries@headlandamenity.com

Contact person Wendy Johnson

#### 1.4. Emergency telephone number

Emergency telephone +44 (0)1223 491090 (9.00 - 5.00 GMT Mon-Fri)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318

Environmental hazards Not Classified

#### 2.2. Label elements

##### Hazard pictograms



Signal word Danger

Hazard statements H315 Causes skin irritation.  
H318 Causes serious eye damage.

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<b>Precautionary statements</b>	<p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p>
<b>Supplemental label information</b>	<p>EUH401 To avoid risks to human health and the environment, comply with the instructions for use.</p> <p>Dangerous to bees. To protect bees and pollinating insects do not apply to crop plants when in flower. Do not use where bees are actively foraging. Do not apply when flowering weeds are present. Do not contaminate water with the product or its container...</p>
<b>Contains</b>	ACETIC ACID, ALCOHOL ETHOXYLATE, C13

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>ACETIC ACID</b>	<b>24% (240g/l)</b>
CAS number: 64-19-7	EC number: 200-580-7
	REACH registration number: 01-2119475328-30-XXXX

#### Classification

Flam. Liq. 3 - H226  
 Skin Corr. 1A - H314  
 Eye Dam. 1 - H318

<b>ALCOHOL ETHOXYLATE, C13</b>	<b>3-10%</b>
CAS number: 69011-36-5	EC number: 500-241-6

#### Classification

Aquatic Chronic 3 - H412

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments**      The data shown are in accordance with the latest EC Directives.

#### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical attention if symptoms are severe or persist.
<b>Skin contact</b>	Take off contaminated clothing and wash it before reuse. Wash skin thoroughly with soap and water. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Get medical attention immediately. Continue to rinse.

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

<b>Inhalation</b>	Irritating to respiratory system.
<b>Ingestion</b>	Irritates mucous membranes in mouth and gastrointestinal tract.

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<b>Skin contact</b>	Redness.
<b>Eye contact</b>	Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious damage to eyes. Loss of sight.

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

<b>Specific treatments</b>	Treat symptomatically.
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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	The mixture is not classified as flammable. Use fire-extinguishing media suitable for the surrounding environment.
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<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
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### **5.2. Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	Product decomposes in fire and may release toxic gases such as carbon monoxide and hydrocarbons.
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### **5.3. Advice for firefighters**

<b>Protective actions during firefighting</b>	Move containers from fire area if it can be done without risk. Avoid breathing fire gases or vapours.
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<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.
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### **6.2. Environmental precautions**

<b>Environmental precautions</b>	Do not discharge onto the ground or into water courses.
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### **6.3. Methods and material for containment and cleaning up**

<b>Methods for cleaning up</b>	Wipe up with an absorbent cloth and dispose of waste safely. Absorb in vermiculite, dry sand or earth and place into containers.
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### **6.4. Reference to other sections**

<b>Reference to other sections</b>	For personal protection, see Section 8. For waste disposal, see Section 13.
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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

<b>Usage precautions</b>	Use only in well-ventilated areas.
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<b>Advice on general occupational hygiene</b>	Eye wash facilities and emergency shower must be available when handling this product. Wash hands thoroughly after handling.
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### **7.2. Conditions for safe storage, including any incompatibilities**

<b>Storage precautions</b>	Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Store in a cool and well-ventilated place.
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### **7.3. Specific end use(s)**

## NEW-WAY WEED SPRAY

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### ACETIC ACID

Long-term exposure limit (8-hour TWA): WEL 10 ppm 25 mg/m<sup>3</sup> vapour

Short-term exposure limit (15-minute): WEL 20 ppm 50 mg/m<sup>3</sup> vapour

WEL = Workplace Exposure Limit

##### ACETIC ACID (CAS: 64-19-7)

<b>DNEL</b>	Workers - Inhalation; Short term local effects: 25 mg/kg Workers - Inhalation; Long term local effects: 25 mg/kg General population - Dermal; Short term local effects: 25 mg/kg General population - Inhalation; Long term local effects: 25 mg/kg
<b>PNEC</b>	- Fresh water; 3.06 mg/l - Sediment (Freshwater); 11.4 mg/kg - Soil; 0.478 mg/kg - STP; 85 mg/l

#### 8.2. Exposure controls

<b>Eye/face protection</b>	Use approved safety goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.
<b>Hand protection</b>	Wear protective gloves. Butyl rubber. To protect hands from chemicals, gloves should comply with European Standard EN374.
<b>Other skin and body protection</b>	Wear protective clothing. Boots.
<b>Hygiene measures</b>	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn. Gas filter, type E. Respiratory protection must conform to one of the following standards: EN 136/140/145.
<b>Environmental exposure controls</b>	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Colourless.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	No information available.
<b>pH</b>	pH (concentrated solution): 3.19
<b>Melting point</b>	No information available.
<b>Initial boiling point and range</b>	100oC
<b>Flash point</b>	No information available.
<b>Evaporation rate</b>	No information available.
<b>Evaporation factor</b>	No information available.

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<b>Flammability (solid, gas)</b>	No information available.
<b>Upper/lower flammability or explosive limits</b>	No information available.
<b>Vapour pressure</b>	No information available.
<b>Vapour density</b>	No information available.
<b>Relative density</b>	1.065
<b>Solubility(ies)</b>	Miscible with water
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition Temperature</b>	No information available.
<b>Viscosity</b>	372 mPa s @ °C
<b>Explosive properties</b>	No information available.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

**Reactivity** Strong reducing agents. Strong oxidising agents. Strong alkalis.

##### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

##### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** No potentially hazardous reactions known.

##### 10.4. Conditions to avoid

**Conditions to avoid** None known.

##### 10.5. Incompatible materials

**Materials to avoid** Strong reducing agents. Strong oxidising agents. Strong alkalis.

##### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

###### Acute toxicity - oral

**ATE oral (mg/kg)** 5,000.0

###### Toxicological information on ingredients.

#### ACETIC ACID

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 3,310.0

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<b>Species</b>	Rat
<b>ATE oral (mg/kg)</b>	3,310.0
<b><u>Acute toxicity - inhalation</u></b>	
<b>Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)</b>	40.0
<b>Species</b>	Rat
<b>ATE inhalation (vapours mg/l)</b>	40.0

### ALCOHOL ETHOXYLATE, C13

<b><u>Acute toxicity - oral</u></b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	2,000.9
<b>Species</b>	Rat
<b>ATE oral (mg/kg)</b>	2,000.9

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecological information on ingredients.

### ACETIC ACID

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 300.82 mg/l, Freshwater fish LC <sub>50</sub> , 96 hours: 300.82 mg/l, Marinewater fish LC <sub>50</sub> , 21 days: 52.2 mg/l, Oncorhynchus mykiss (Rainbow trout) NOEC, 21 days: 34.3 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: >300.82 mg/l, Daphnia magna NOEC, 21 days: 31.4 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: >300.82 mg/l, Skeletonema costatum
<b>Acute toxicity - microorganisms</b>	NOEC, 16 hour: 1150 mg/l, Pseudomonas putida

### ALCOHOL ETHOXYLATE, C13

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hour: 2.5 mg/l, Brachydanio rerio (Zebra Fish) EC <sub>20</sub> , 30 days: 1.097 mg/l, Pimephales promelas (Fat-head Minnow)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 1.5 mg/l, Daphnia magna EC <sub>20</sub> , 21 days: 0.74 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	ErC20, 72 hours: 0.979 mg/l, Desmodesmus subspicatus ErC50, 72 hours: 2.5 mg/l, Scenedesmus subspicatus NOEC, 72 hours: 1.7 mg/l, Scenedesmus subspicatus
<b>Acute toxicity - microorganisms</b>	EC <sub>50</sub> , 3 hours: 140 mg/l, Activated sludge EC <sub>50</sub> , 16.9 hours: > 10g , Pseudomonas putida

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### 12.2. Persistence and degradability

**Persistence and degradability** The product is biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Bioaccumulation is unlikely.

**Partition coefficient** No information available.

### 12.4. Mobility in soil

**Mobility** The product contains at least one substance with low soil mobility.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** Dangerous to bees. To protect bees and pollinating insects do not apply to crop plants when in flower. Do not use where bees are actively foraging. Do not apply when flowering weeds are present.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Avoid discharge to drain or surface water. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

## SECTION 14: Transport information

### 14.1. UN number

UN No. (ADR/RID) 2790

UN No. (IMDG) 2790

UN No. (ICAO) 2790

UN No. (ADN) 2790

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** ACETIC ACID SOLUTION

**Proper shipping name (IMDG)** ACETIC ACID SOLUTION

**Proper shipping name (ICAO)** ACETIC ACID SOLUTION

**Proper shipping name (ADN)** ACETIC ACID SOLUTION

### 14.3. Transport hazard class(es)

**ADR/RID class** 8

**ADR/RID classification code** C3

**ADR/RID label** 8

**IMDG class** 8

**ICAO class/division** 8

**ADN class** 8

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### Transport labels



#### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

EmS	F-A, S-B
ADR transport category	3
Emergency Action Code	•2R
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

### SECTION 15: Regulatory information

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

EU legislation Product Registration Number: MAPP 15319.

#### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

### SECTION 16: Other information

Revision comments	Sections 8.1 and 11.1 updated.
Revision date	24/09/2019
Revision	4
Supersedes date	04/09/2015
Hazard statements in full	H226 Flammable liquid and vapour. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.