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

Pictogram

Signal word            Danger
Hazard statements       H315 Causes skin irritation.
                        H318 Causes serious eye damage.
NEW-WAY WEED SPRAY

Precautionary statements

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/ doctor.
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

Supplemental label information

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

Contains

ACETIC ACID, ALCOHOL ETHOXYLATE, C13

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>ACETIC ACID</th>
<th>24% (240g/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 64-19-7</td>
<td>EC number: 200-580-7</td>
</tr>
<tr>
<td>Classification Flam. Liq. 3 - H226</td>
<td>Classification (67/548/EEC or 1999/45/EC) R10 C;R35</td>
</tr>
<tr>
<td>Skin Corr. 1A - H314</td>
<td></td>
</tr>
<tr>
<td>Eye Dam. 1 - H318</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ALCOHOL ETHOXYLATE, C13</th>
<th>3-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 69011-36-5</td>
<td>EC number: 931-138-8</td>
</tr>
<tr>
<td>Classification Acute Tox. 4 - H302</td>
<td></td>
</tr>
<tr>
<td>Eye Dam. 1 - H318</td>
<td></td>
</tr>
</tbody>
</table>

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

Inhalation Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.

Ingestion Rinse mouth thoroughly with water. Drink 1-2 glasses of water in small sips. Get medical attention if symptoms are severe or persist.

Skin contact 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.

Eye contact 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
NEW-WAY WEED SPRAY

Inhalation  Irritating to respiratory system.
Ingestion  Irritates mucous membranes in mouth and gastrointestinal tract.
Eye contact  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
Specific treatments  Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media  The mixture is not classified as flammable. Use fire-extinguishing media suitable for the surrounding environment.
Unsuitable extinguishing media  Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture
Specific hazards  Product decomposes in fire and may release toxic gases such as carbon monoxide and hydrocarbons.

5.3. Advice for firefighters
Protective actions during firefighting  Move containers from fire area if it can be done without risk. Avoid breathing fire gases or vapours.
Special protective equipment for firefighters  Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Personal precautions  Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

6.2. Environmental precautions
Environmental precautions  Do not discharge onto the ground or into water courses.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up  Wipe up with an absorbent cloth and dispose of waste safely. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections
Reference to other sections  For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Usage precautions  Use only in well-ventilated areas.
Advice on general occupational hygiene  Eye wash facilities and emergency shower must be available when handling this product.
Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities
Storage precautions  Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Store in a cool and well-ventilated place.
NEW-WAY WEED SPRAY

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

ACETIC ACID (CAS: 64-19-7)

PNEC
- 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

Eye/face protection
Use approved safety goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection
Wear protective gloves. Butyl rubber. To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection
Wear protective clothing. Boots.

Hygiene measures
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.

Respiratory protection
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.

Environmental exposure controls
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

Appearance
Liquid

Colour
Colourless.

Odour
Characteristic.

Odour threshold
No information available.

pH
pH (concentrated solution): 3.19

Melting point
No information available.

Initial boiling point and range
100oC

Flash point
No information available.

Evaporation rate
No information available.

Evaporation factor
No information available.

Flammability (solid, gas)
No information available.

Upper/lower flammability or explosive limits
No information available.

Vapour pressure
No information available.

Vapour density
No information available.
NEW-WAY WEED SPRAY

Relative density 1.065
Solubility(ies) Miscible with water
Partition coefficient No information available.
Auto-ignition temperature No information available.
Decomposition Temperature No information available.
Viscosity 372 mPa s @ °C
Explosive properties No information available.
Oxidising properties Does not meet the criteria for classification as oxidising.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

SECTION 12: Ecological Information

12.1. Toxicity
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.
NEW-WAY WEED SPRAY

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

Transport labels

14.4. Packing group

ADR/RID packing group III
IMDG packing group III
ADN packing group III
NEW-WAY WEED SPRAY

ICAO 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 Supplier contact and emergency contact details updated.

Revision date 04/09/2015

Revision 3

Supersedes date 16/06/2015

Risk phrases in full R10 Flammable.
R35 Causes severe burns.
R36/38 Irritating to eyes and skin.

Hazard statements in full H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.

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.