

# SAFETY DATA SHEET

Issue 2.1  
Page 1 of 6

## 1. Identification

**Product name:** Roundup® Natural Weedkiller

**Use:** For use as herbicide in the home-garden

**Company name** Evergreen Garden Care New Zealand Ltd  
**address and contact details:** Truman Lane  
Te Maunga, RD 5  
Mount Maunganui 3175  
New Zealand  
Telephone: (07) 575 2160  
Fax: (07) 575 8462

**Emergency phone number:** New Zealand National Poisons Centre 0800 764 766 [0800 POISON]  
0800 734 607 [ALL HOURS]

## 2. Hazard Identification

Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017 and the Hazardous Substances (Classification) Notice 2017.

**HSNO Approval Number:** HSR101101

**HSNO Classification(s):** 6.1E, 6.3A, 6.4A, 6.9B, 8.1A, 9.1D

**Pictogram(s):**



**Signal word:** WARNING

### Hazard Statement(s):

H290 May be corrosive to metals.  
H303 May be harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H371 May cause damage to eyes  
H401 Toxic to aquatic life

### Prevention Statement(s):

P102 Keep out of reach of children.  
P103 Read label before use.  
P234 Keep only in original container.  
P260 Do not breathe spray.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P273 Avoid release to the environment.  
P280 Wear protective gloves and eye goggles.

### Response Statement(s):

P101 If medical advice is needed, have product container or label at hand.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and 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.
- P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P321 Specific treatment (see First Aid Measures).
- P332 + P313 If skin irritation occurs: Get medical advice/ attention.
- P362 Take off contaminated clothing and wash before re-use
- P390 Absorb spillage to prevent material damage.

**Storage Statement(s):**

- P405 Store locked up.
- P406 Store in a closed container.

**Disposal Statement.**

- P501 Dispose of product and container in accordance with any local or National regulations.

---

**3. Composition/Information on Ingredients**

---

| Ingredient                            | CAS No      | Proportion (%w/w) |
|---------------------------------------|-------------|-------------------|
| Acetic acid                           | 64-19-7     | 5 – 10%           |
| Other components deemed non-hazardous | Proprietary | remaining         |

**4. First Aid Measures**

---

For advice or in an emergency, contact the National Poisons Centre, tel 0800 764 766 [ 0800 POISON ] or a doctor. Have product label or this Safety Data Sheet at hand.

**Inhalation:** In inhaled, move person to fresh air. Keep at rest in a position comfortable for breathing until recovered. Get medical advice if symptoms persist. If person is not breathing, seek immediate medical assistance and give artificial respiration, preferably mouth to mouth.

**Ingestion:** Do NOT induce vomiting. Rinse mouth with water. Get immediate medical advice.

**Skin:** Remove contaminated clothing, including footwear; wash before reuse. For minor exposure, wash affected area with water and mild soap, rinsing thoroughly. In cases of prolonged, repeated or extensive exposure, rinse affected area or entire body for at least 15 minutes. If irritation persists or develops, get medical advice.

**Eye contact:** Hold eyelids apart and flush continuously with water several minutes. Remove contact lenses if present, after the first 5 minutes and continue rinsing. Take care not to rinse contaminated water into the non-affected eye. In all cases of eye contamination, it is advised to seek medical attention.

**Advice to Doctor:** Treat symptomatically based on judgement of doctor and individual reactions of patient.

---

**5. Fire-fighting measures**

---

**General Measures:** Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition. Move fire exposed containers from fire area if it can be done without risk. If safe to do so, remove containers from the path of fire.

**Flammability:** Product is non-flammable.

**Suitable extinguishing media:** Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

**Hazards from combustion:** carbon oxides

**Special Fire Fighting Instructions:** DO NOT allow fire-fighting water to reach waterways, drains, or sewers. Store fire-fighting a water for treatment

**Personal Protective Equipment:** Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing (includes fire-fighting helmet, coat, trousers, boots and gloves) or chemical splash suit.

**Flash Point:** No data available

**Lower Explosion Limit:** No data available

**Upper Explosion Limit:** No data available

**Auto Ignition Temperature:** No data available

**Hazchem Code:** No data available

---

## 6. Accidental release measures

---

**General Response Procedure:** Eliminate all sources of ignition. Increase ventilation. Avoid walking through spilled product as it may be slippery. Use clean, non-sparking tools and equipment.

**Clean Up Procedures:** Contain and soak up spill with inert absorbent material. Discard absorbents and other contaminated solids in a suitable trash receptacle. Dispose absorbents and other contaminated solids as a hazardous waste. Wash contaminated area with soap and water.

**Containment:** Stop leak if safe to do so.

**Environmental Precautionary Measures:** Do not allow product to reach drains, sewers or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Authority.

**Evacuation Criteria:** Evacuate all unnecessary personnel.

**Personal Precautionary Measures:** Wear personal protection equipment and clothing to minimise exposure.

---

## 7. Handling and storage

---

**Handling:** Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product fumes.

**Storage:** Store in a cool, dry, well-ventilated area. Keep out of reach of children. Store only in original container and away from food, drink and animal feed. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10.

---

## 8. Exposure controls/personal protection

---

**Health Exposure Standards:** Workplace Exposure Standards (WES) have not been set by Worksafe NZ for this substance.

Acetic acid: WES-TWA 10 ppm, 25 mg/m<sup>3</sup>; WES-STEL 15 ppm, 37 mg/m<sup>3</sup>

As published by the New Zealand Workplace Health & Safety Authority.

WES - TWA (Workplace Exposure Standard - Time Weighted Average) - The eight-hour, time-weighted average exposure standard is designed to protect the worker from the effects of long-term exposure.

WES - STEL (Workplace Exposure Standard - Short Term Exposure Limits) - The 15 minute average exposure standard. Applies to any 15 minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood

of accidents. The WES-STEL is not an alternative to the WES-TWA; both short-term and eight-hour, time-weighted average exposures should be determined.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

**Exposure Limits:** No data available.

**Biological limit values:** None established.

**Engineering Measures:** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

**Personal Protective Equipment:**

**Respiratory Protection:** Respiratory protection may be necessary under certain use conditions. Under such conditions, an approved respirator with a replaceable mist filter according to local standards (AS/NZS 1715/1716), must be worn.

**Eye Protection:** Wear safety glass with side shields or safety goggles to avoid contact of solution or mists with eyes.

**Skin/ Body Protection:** The wearing of impervious chemical resistant gloves, e.g. nitrile, neoprene, natural rubber, polyvinyl chloride (PVC) is recommended. Long-sleeved protective clothing. Wash hands before breaks and at the end of the workday.

---

## 9. Physical and chemical properties

---

|                                 |                      |
|---------------------------------|----------------------|
| Form:                           | Liquid               |
| Appearance:                     | Pale, Straw-coloured |
| Odour:                          | Slight vinegar odour |
| Melting point (°C):             | No data              |
| Boiling point (°C):             | No data              |
| Decomposition temperature (°C): | No data              |
| Flash point (°C):               | Non flammable        |
| Specific gravity (g/cc):        | 1.019-1.025          |
| pH:                             | 2.4-3.3              |
| Vapour pressure:                | No data              |
| Vapour density (Air=1):         | No data              |
| Evaporation rate:               | No data              |
| Solubility in water:            | Miscible in water    |

---

## 10. Stability and reactivity

---

**General information:** Non-flammable liquid

**Chemical Stability:** Stable under normal conditions of storage and handling.

**Conditions to avoid:** Avoid excessive heat, generating dust, direct sunlight, moisture and high temperatures.

**Incompatible materials:** Due to the dilute acetic acid, the product is very slightly reactive with oxidizing agents, metals, permanganates, amines and hydroxides.

**Hazardous decomposition products:** the following in the event of a fire may be released: carbon oxides.

**Hazardous polymerization:** Has not been reported.

---

## 11. Toxicological information

---

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Ingestion:** Swallowing may result in irritation of the gastrointestinal tract.

**Eye contact:** An eye irritant.

**Skin contact:** Contact with skin will result in irritation.

**Inhalation:** Breathing in mists or aerosols may produce respiratory irritation.

**Acute toxicity:** No LD50 data available for the product.

**Respiratory or skin sensitisation:** No information available.

**Chronic effects:** Chronic overexposure to acetic acid may result in pharyngitis, catarrhal bronchitis, and erosion of the teeth.

**Mutagenicity:** No information available.

**Carcinogenicity:** No component contained in this material is listed as carcinogenic according to the International Agency for Research on Cancer (IARC).

**Reproductive toxicity:** No information available.

**Specific Target Organ Toxicity (STOT) - single exposure:** No information available.

**Specific Target Organ Toxicity (STOT) - repeated exposure:** No information available.

**Aspiration hazard:** No information available.

---

## 12. Ecological information

---

**Ecotoxicity:** Avoid contaminating waterways.

**Persistence and degradability:** No information available.

**Bioaccumulation:** No information available.

**Mobility in soil:** No information available.

---

## 13. Disposal considerations

---

**Disposal Methods:** Empty containers retain product residues and vapour. Do not allow product to enter drains or watercourses or dispose of where ground or surface waters may be affected. Dispose of empty containers in accordance with local or National regulations. Incinerate if appropriate facility/equipment is available. Do not use container for storing any other product.

---

## 14. Transport information

---

**New Zealand** This product is classified as a Dangerous Good under NZS 5433:2012 Transport of Dangerous Goods on Land.

UN1760

Proper Shipping name: CORROSIVE LIQUID, N.O.S (ACETIC ACID <10% SOLUTION)

### Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

### Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA)

Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

---

## 15. Regulatory information

---

### New Zealand

Classified as hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

**HSNO Approval number:** HSR101101

**HSNO Controls:** Refer to [www.epa.govt.nz](http://www.epa.govt.nz) for all Controls relating to this product and use.

Note the additional Control 77A -Use restrictions. The substance must not be applied onto or into water. This substance must be applied by ground based methods only.

Note the additional Control 77A -Additional label. Users must wear eye goggles and gloves when applying this substance. Keep people away from the treated area for at least 24 hours after application.

---

## 16. Other information

---

**Date of Issue:** 02 December 2019

### Abbreviations:

|      |   |
|------|---|
| EC50 | 50% effect concentration                              |
| EEL  | Environmental Exposure Limit                          |
| EPA  | Environmental Protection Authority                    |
| HSNO | Hazardous Substance and New Organisms                 |
| LD50 | 50% lethal dose                                       |
| STEL | Short Term Exposure Limit (15 minute exposure period) |
| TWA  | Time-Weighted Average (8 hours exposure period)       |
| WES  | Workplace Exposure Standard                           |

### References:

EPA [www.epa.govt.nz](http://www.epa.govt.nz)  
Supplier Safety Data Sheets

### Other:

The information contained herein is given in good faith but no warranty, expressed or implied is made. Consult supplier if additional information or explanation is required.

End of safety data sheet