

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

**Product name** 4 LITRE DEEP ROOT KILLING GLYPHOSATE WEED KILLER RTU  
**Use** Herbicide.  
**Formulation:** Suspension Liquid  
**Supplier:** Elixir Garden Supplies Ltd, Unit 1, Middlegate, White Lund, Morecambe, Lancs. LA3 3BN  
**Emergency No:** NHS 111

## 2. HAZARDS IDENTIFICATION

Classification of mixture according to Regulation (EC) 01272/2008

**Not classified**

**Additional information** For the wording of precautionary phrases refer to section 15.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

|                   | CAS/EINECS          | Hazard Statements                  | %w/w  |
|-------------------|---------------------|------------------------------------|-------|
| <b>Glyphosate</b> | 1071-83-6/213-997-4 | ☠ Eye Dam. 1, H318; ☠ Aquatic H411 | 0.72% |

**Additional information** For the wording of the listed hazard phrases refer to section 16.

## 4. FIRST AID MEASURES

### General information:

Show this safety data sheet to the doctor.  
 Remove any clothing soiled by the product.

### After inhalation:

Supply fresh air or oxygen; call for doctor.  
 If breathing is irregular or stopped, administer artificial respiration.

### After skin contact:

If on skin: Wash with plenty of soap and water.

### After eye contact:

Rinse opened eye for several minutes under running water. Then consult doctor.

### After swallowing:

If swallowed, Get immediate medical advice and show this label or container.

### Information for doctor:

No further relevant information available.

## 5. FIRE FIGHTING MEASURES

### Suitable extinguishing agents

CO<sub>2</sub>, extinguishing powder or water jet.  
 Fight larger fires with water jet or alcohol-resistant foam.

### Special hazards arising from the substance or mixture

Formation of toxic gases possible during heating or in fire: nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), sulphur dioxide (SO<sub>2</sub>). Under certain conditions traces of other toxic gases cannot be excluded.

### Protective equipment:

Put on self-contained breathing apparatus.  
 Do not inhale explosion or combustion gases.

### Additional Information:

Cool endangered containers with water spray, Keep upwind.  
 Dispose of fire debris and contaminated water in accordance with official regulations.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment, and emergency procedures:

Wear protective equipment. Keep unprotected people away.

### Environmental precautions:

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

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

### Methods and material for containment and cleaning up:

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

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

### Reference to other sections:

See Section 5 7 for safe handling, 8 for personal protection equipment, 13 for disposal information

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols, work only in fume cupboard.

### Information about protection against explosions and fires:

Keep ignition sources away. Do not smoke. The product is not flammable.

### Conditions for safe storage, including any incompatibilities

#### Storage: Requirements to be met, by storerooms and containers:

Keep container tightly sealed. Store in cool, dry place. Store only in original container.

**Information about storage in one common storage facility:** Not required.

#### Further information about storage conditions:

Store under dry conditions. Protect from frost. Protect from heat and direct sunlight.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### Components with limit values that require monitoring at the workplace: No data

The product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.

### Personal protective equipment

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

Avoid contact with the eyes and skin. Do not eat, drink, or smoke while working.

Keep away from foodstuffs, beverages, and food. Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Keep out of reach of children.

Keep children and pets away from treated areas until spray has dried.

**Breathing equipment:** Breathing protection is recommended. Recommended filter device: Filter P1

#### Protection of hands:

Protective gloves (rubber)

#### Eye protection:

N/A

#### Body protection:

N/A

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

Form: Liquid

### Boiling point or range:

Not determined

### Viscosity:

1.645 cSt

### Danger of explosion:

Product is not explosive.

Density: 1.11 g/cm<sup>3</sup>

Colour: Colourless

### Flash point:

Not applicable

pH-value at 20°C: 3.54  
(1% aqueous)

Odour: Characteristic

### Surface tension:

33.5 mN/m

**Solubility / Miscibility (water):**  
Soluble in water

## 10. REACTIVITY AND STABILITY

### Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

**Possibility of hazardous reactions:** No information available.

**Conditions to avoid:** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** Thermal decomposition products may include toxic and corrosive fumes of chlorides and toxic oxides of nitrogen.

### 11. TOXICOLOGICAL INFORMATION

**LD/LC50 values that are relevant for classification (from higher concentration product):**

|                    |                                      |                                |
|--------------------|--------------------------------------|--------------------------------|
| Formulated product | Oral LD50 : 5000 mg/kg (rat)         | Dermal LD50: >5000 mg/kg (rat) |
| Active substance   | Inhalation LC50/4 h > 5.7 mg/l (rat) |                                |

**Skin Irritation:** No irritant effect.      **Eye Irritation:** Not irritant.

**Sensitisation:** No sensitization effect known.

### 12. ECOLOGICAL INFORMATION

**Aquatic toxicity (from higher concentration product):**

|                      |                         |                       |
|----------------------|-------------------------|-----------------------|
| Fish LC50: >100 mg/l | Daphnia LC50: >100 mg/l | Algae EC50: >100 mg/l |
|----------------------|-------------------------|-----------------------|

**Other toxicity (active substance):**

|                        |                      |
|------------------------|----------------------|
| Bird LC50: >3851 mg/kg | Bee LD50: >100µg/bee |
|------------------------|----------------------|

**Persistence and degradability:** Not persistent in water, moderately persistent in soil.

**Bioaccumulative potential:** Does not bioaccumulate.

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

**Notes:** Avoid release to the environment

Do not allow product to reach groundwater, water bodies or sewage system.

### 13. DISPOSAL

**Waste or used preparation:** Dispose of unused product in its container at a household waste site.  
Contact your local council (local authority).

**Disposal of packaging:** Dispose of empty container in a dustbin

### 14. TRANSPORT

For information only

Not regulated for transport

### 15. REGULATORY INFORMATION

**Designation according to EC guidelines:**

*The product has been classified and labelled in accordance with EC Directives*

**Hazard-determining components of labelling:** Glyphosate

**Precautionary (P) phrases:**

|          |  |
|----------|--|
| 102      | Keep out of reach of children  |
| 261      | Avoid breathing spray  |
| 264      | Wash hands thoroughly after handling   |
| 301+312  | If swallowed, seek medical advice, and show this container or label.                     |
| 302/352: | If on skin: Wash with plenty of water.   |
| 273      | Avoid release to the environment   |
| 501      | Dispose of contents/container to a licensed waste disposal contractor or collection site |

### 16. OTHER INFORMATION

H Phrases referenced in section 3:

H318 Causes serious eye damage

H411 Toxic to aquatic life with long lasting effects

*Prepared by Elixir Garden Supplies Ltd. to the best of our current knowledge and information:*

*No responsibility is accepted that the information will be sufficient or correct in all cases.*