



Section 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Product Name: Weedfree Home & Garden
Product Number(s): P4424 (1L)

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

Kills vegetation and roots of weeds

1.3 Details of the supplier of the safety data sheet

Hygeia Chemicals Limited, Carrowmoneash, Oranmore, Co. Galway
Tel: 091-794722 Fax: 091-794738 email: services@hygeia.ie

1.4 Emergency telephone number

National Poisons Information Centre (Tel: 01-8379964) (Fax: 01-8368476)

Section 2: Hazards Identification**2.1 Classification according to Regulation (EC) 1272/2008 [EU-GHS/CLP]**

Not Classified

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP):**

Hazard pictogram: Not Classified
Signal words: Not Classified
Precautionary statements: P101: If medical advice is needed, have product container or label at hand
P102: Keep out of reach of children
P103: Read label before use
P501: Dispose of contents/container to a licensed waste disposal contractor or collection site except for triple rinsed containers which may be disposed of as non-hazardous waste
EUH401: To avoid risks to human health and the environment, comply with the instructions for use

2.3 Other hazards

Not available

Section 3: Composition/information on ingredients**3.1 Substances**

Not available

3.2 Mixtures

Name	No.	Classification	% Wt.
Glyphosate Isopropylamine	CAS No: 38641-94-0 EINECS: 254-056-8	Aquatic Chronic 2: H411	30-60%

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Inhalation: Move the exposed person to fresh air at once. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues

Ingestion: Get medical attention immediately. Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS

Skin Contact: Remove victim immediately from source of exposure. Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing

Eye Contact: Remove victim immediately from source of exposure. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues

4.2 Most important symptoms and effects, both acute and delayed

No specific symptoms noted

4.3 Indication of any immediate medical attention and special treatment needed

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

Section 5: Firefighting Measures

5.1 Extinguishing media

Extinguishing Media: Extinguish with foam, carbon dioxide, dry powder or water fog.

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

Hazardous Combustion Products: In case of fire, toxic gases (CO, CO₂, Nox) may be formed

Unusual Fire & Explosion Hazards: Not known

5.3 Advice for firefighters

Avoid breathing fire vapours. Keep up-wind to avoid fumes. Move container from fire area if it can be done without risk. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities

Protection Equipment for Firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire

Section 6: Accidental Release Measures

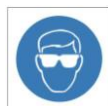
- 6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Do not smoke, use open fire or other sources of ignition. Avoid inhalation of dust and vapours
- 6.2 Environmental precautions**
Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains, water courses or onto the ground. Do not allow to enter drains, sewers or watercourses
- 6.3 Methods and material for containment and cleaning up**
Clean-up personnel should use respiratory and/or liquid contact protection. Wash thoroughly after dealing with a spillage. Absorb spillage with non-combustible, absorbent material. Remove small spills with vacuum cleaner. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Inform Authorities if large amounts are involved
- 6.4 Reference to other sections**
For personal protection see Section 8

Section 7: Handling and Storage

- 7.1 Precautions for safe handling**
Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Follow instructions and ensure correct dilution of this product before use
- 7.2 Conditions for safe storage, including any incompatibilities**
Keep away from heat, sparks and open flame. Keep away from food, drink and animal feedingstuffs. Protect from freezing and direct sunlight. Protect against physical damage and/or friction. Store in tightly closed original container in a dry, cool and well-ventilated place. Store in closed original container at temperatures between 0°C and 30°C
- 7.3 Specific end use(s)**
The identified uses for this product are detailed in Section 1.2

Section 8: Exposure Controls/Personal Protection

- 8.1 Control Parameters**
Ingredient Comments
No exposure limits noted for ingredient(s)
- 8.2 Exposure Controls**



Protective Equipment
Process Conditions:
Engineering Measures:

Provide eyewash, quick drench
Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded
Wear protective gloves

Hand Protection:

Eye Protection:	Wear goggles/face shield
Other Protection:	Provide eyewash station and safety shower. Wear suitable protective clothing as protection against splashing or contamination.
Hygiene Measures:	Wash contaminated clothing before reuse. Wash hands after handling. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Clear liquid
Odour:	Slight odour. Chemical
pH:	5.0
Specific Gravity:	1.171 g/ml @ 20°C
Boiling Point/Range °C:	No data available
Melting Point/Range °C:	No data available
Decomposition Temp:	No data available
Flash Point:	No data available
Auto Ignition Temp:	No data available
Flammability:	No data available
Explosive Properties:	No data available
Oxidising Properties:	No data available

Vapour Pressure:	No data available
Bulk Density:	No data available
Solubility (Water):	Miscible with water
Solubility (Fat Solvent):	No data available
Partition Coefficient:	No data available
Viscosity:	No data available

9.2 Other information

Not Available

Section 10: Stability and Reactivity

10.1 Reactivity

Stable under recommended transport or storage conditions

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below

10.4 Conditions to avoid

Heat

10.5 Incompatible materials

Materials to Avoid: Do not mix, store or apply this product or spray solutions of this product in galvanised or unlined steel containers or spray tanks. Stainless steel may be used. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture with air. This gas mixture could flash or explode if ignited, causing serious personal injury

10.6 Hazardous decomposition products

In combustion emits toxic fumes. See subsection 5.2

Section 11: Toxicological Information**11.1 Information on toxicological effects**

Toxic Dose 1 - LD₅₀: >2,000 mg/kg (Oral/Rat)

Toxic Dose 2 - LD₅₀: >4,000 mg/kg (Dermal)

Skin Contact: Not a skin sensitiser. Skin irritation is not anticipated when used normally

Eye Contact: Mild eye irritant

Section 12: Ecological Information

Ecotoxicity: Not regarded as dangerous for the environment

12.1 Toxicity

Acute Fish Toxicity:

Not considered toxic to fish

LC₅₀, 96 Hrs, Fish, mg/l: >326

EC₅₀ 48 Hrs, Daphnia, mg/l: >317

IC₅₀, 72 Hrs, Algae, mg/l: 143

12.2 Persistence & Degradability

The product is expected to be biodegradable

12.3 Bioaccumulative Potential

No data available on bioaccumulation

12.4 Mobility

The product is miscible with water. May spread in water systems

12.5 Results of PBT and vPvB assessment

Not available

12.6 Other Adverse Effects

Not applicable

Section 13: Disposal Considerations**13.1 Waste treatment methods**

Product Disposal: Dispose of according to local and national regulations

Container Disposal: Triple rinse containers with water and dispose of according to local and national regulations

Section 14: Transport Information

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

- 14.4 Packing group**
Not applicable
- 14.5 Environmental hazards**
Environmentally Hazardous Substance/Marine Pollutant: No
- 14.6 Special precautions for user**
Not applicable
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
Not applicable

Section 15: Regulatory Information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
EU Legislation
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EEC and 2000/21/EC, including amendments
- 15.2 Chemical safety assessment**
No chemical safety assessment has been carried out

Section 16: Other Information

Text of Phrases mentioned in Sections 2 and 3:

H-Statements

- H411** Toxic to aquatic life with long lasting effects
- EUH401** To avoid risks to human health and the environment, comply with the instructions for use

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, release and is not to be considered a warranty of quality specification. The 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 unless specified in the text