



House and Garden® 1-Component Soil Nutrient

1. Identification of the Product and the Company

Product Name : 1-Component Soil Nutrient
Distributor : House and Garden Inc.
4700 West End Rd.
Arcata, CA 95521
USA
Emergency Phone : (707) 382-9636

2. Composition / Information on Ingredients

Chemical Description : Solution of NPK nutrients
Hazardous Ingredients : Nitrogen total (N) 2% (as nitrate nitrogen)
Phosphoric acid anhydride (P2O5) 2% (soluble in water)
Potassium oxide (K2O) 5% (soluble in water)

3. Hazards

Causes irritation. Slightly acidic.

Skin : Irritating,
Eyes : Irritating,
Ingestion : May irritate throat and cause gastrointestinal irritation or nausea
Inhalation : None
Fire : Non-combustible

4. First Aid Measures

Skin : Remove contaminated clothing, thoroughly wash exposed area with water or take shower, seek medical advice
Eyes : Flush with water for at least 15 minutes and seek medical advice
Ingestion : Rinse mouth with water and seek medical advice or go to hospital
Inhalation : n.a.

5. Fire Fighting Measures

Extinguishing Media : The product itself is not combustible; in case of fire in immediate environment: all extinguishing media are permitted; preferred media are water spray, foam, CO₂, dry ice.
Unsuitable
Extinguishing Media : Water jet.
Specific Hazards : In case of fire, cool storage tanks and containers with water spray to prevent decomposition.

6. Accidental Release Measures

Personal precautions:
Avoid contact with skin and eyes.

Environmental precautions and disposal:
Avoid environmental distribution. Do not discharge to sewer or surface water.



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7. Handling & Storage

Handling:

Keep out of reach of children. Not for internal use. Avoid contact with skin and eyes. Irritates the skin, mucous membranes, eyes and gullet. Wear suitable protective clothing.

In case of contact with skin or eyes, wash immediately with plenty of water.

Technical precautions: safety shower and eye shower stations.

Store at a temperature between 7 and 30 degrees Centigrade.

Storage:

Storage conditions: Take all necessary precautions to prevent contamination in case of damaged containers. Store the containers on drip trays or barrier material to prevent product from being discharged to the sewer or the surface water.

8. Exposure Control/Personal Protection

Personal Protection:

Skin : Gloves, protective clothing.

Eyes : Eye goggles

Inhalation : n.a.

9. Physical & Chemical Properties

Appearance : Clear, brown fluid

Odor : None

pH : <2

Crystallization temperature : <5°C

Bulk density : 1.28 kg/l at 30°C

Solubility in water : fully soluble

10. Stability & Reactivity

Conditions to avoid: do not expose to heat. Temperatures in excess of 200°C may cause decomposition and release poisonous nitrate vapors.

Materials to avoid : metals, alkalis

Suitable materials : plastics, pvc

11. Toxicological Information

n.a.

12. Ecological Information

Larger quantities of 1-Component are water contaminant.



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13. Disposal Information
Soiled containers : Rinse with water, contact distributor/manufacturer on reuse. Remainders/unused product: Neutralize with water. Mix residues with soil or sand before disposal. Ensure that disposal is in compliance with local regulations.
14. Transport Information
EC FERTILIZER (2002 C 51 /C.2.1.) ADR/RID none Shipping information: 1-Component Soil Nutrient
15. Regulatory Information
Labelling in compliance with EC Directives (2002 C 51 /C.2.1.) Slightly irritating
16. Other Information
The information provided in this Material Safety Data Sheet is to our best knowledge and belief, accurate and reliable as of the date compiled. However, no warranty or guarantee is made in this respect. It remains the user's responsibility to ensure the suitability and completeness of this information for a particular application. House and Garden Inc. does not accept liability for any damage or loss that may arise from the use of this information.