



MATERIAL SAFETY DATA SHEET

House and Garden® Multi Zen

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| 1. | <b>Identification of the Product and the Company</b><br><br>Product Name : House and Garden® Multi Zen<br>Distributor : House and Garden Inc.<br>4700 West End Rd.<br>Arcata, CA 95521<br>USA<br>Emergency Phone : (707) 382-9636                                                                                                  |
| 2. | <b>Composition / Information on Ingredients</b><br><br>Growth stimulator guaranteed analysis.<br>Total Nitrogen (N) 0.5% (0.06% Ammoniacal Nitrogen; 0,44% Nitrate Nitrogen);<br>Available Phosphate (P205) 0.1%; Soluble Potash (K20<br>Non-plant food ingredients.<br>Derived from: Nitric acid, Potassium Hydroxide, Phosphoric |
| 3. | <b>Hazards</b><br><br><u>Hazardous Ingredients:</u> None<br><u>Health Hazards:</u> None<br><u>Safety Hazards:</u> None<br><u>Environmental Hazards:</u> None                                                                                                                                                                       |
| 4. | <b>First Aid Measures</b><br><br>Skin : Rinse thoroughly, seek medical advice if symptoms occur.<br>Eyes : Rinse thoroughly, seek medical advice if symptoms occur.<br>Ingestion : Rinse mouth thoroughly. If swallowed, give plenty of water. Do not induce vomiting.<br>Inhalation : None                                        |
| 5. | <b>Fire Fighting Measures</b><br><br>Extinguishing Media : The product itself is not combustible; in case of fire in immediate environment: all extinguishing media are permitted; preferred media are water, foam, CO <sub>2</sub> .<br>Specific Hazards : No particular measures required.                                       |
| 6. | <b>Accidental Release Measures</b><br><br><u>Personal precautions:</u><br>No particular measures required.<br><u>Environmental precautions and disposal:</u><br>Product may be discharged to sewer; read local regulations.                                                                                                        |



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| 7.  | <b>Handling &amp; Storage</b><br><u>Handling:</u><br>No particular measures required.<br>Store at a temperature between 5 and 30 degrees Centigrade.<br><br><u>Storage:</u><br><b>Storage conditions:</b> No particular safety measures required.<br>Store in well-ventilated, dry and frost-free area.                                                                                                                                                                                                                                                                               |
| 8.  | <b>Exposure Control/Personal Protection</b><br><br>MAC value: Not determined<br><u>Personal Protection:</u><br>Skin : No special precautions required<br>Eyes : Goggles are recommended.<br>Mildly alkaline, may cause irritation of eyes or skin.<br>Inhalation : No special precautions required<br><br>No special protective clothing required. Provide eye wash stations.<br>Handle the product in accordance with normal professional industrial operations. Prevent direct contact with food preparation tables. After contact, immediately clean surfaces with a disinfectant. |
| 9.  | <b>Physical &amp; Chemical Properties</b><br><br>Appearance : Brown fluid.<br>Odor : Herbaceous, strongly fragrant<br>pH : at 100g/l: 7-8 at 20°C<br>Crystallization temperature : <0°C<br>Bulk density : 1.10-1.15 kg/dm3<br>Viscosity:<br>Solubility in water: fully soluble                                                                                                                                                                                                                                                                                                        |
| 10. | <b>Stability &amp; Reactivity</b><br>The product is stable under normal conditions.<br><u>Conditions &amp; Materials:</u> Frost may cause separation of ingredients.<br><u>Conditions to avoid</u> : Reducing agents and combustible materials.<br><u>Materials to avoid</u> :<br><u>Hazardous Decomposition Products:</u> Unknown.                                                                                                                                                                                                                                                   |
| 11. | <b>Toxicological Information</b><br>Acute oral LD50 : Unknown<br>Acute dermal LD50 : Unknown<br>Non-poisonous, may cause irritation in allergic persons. Symptoms: red eyes and swelling around the eyes, coughing, irritated throat and shortness of breath.                                                                                                                                                                                                                                                                                                                         |
| 12. | <b>Ecological information</b><br>LC50(fish)>100mg/l, EC50(daphnia)>100mg/l and IC50(algae)>100 mg/l.<br><u>Ecological Toxicity:</u> Permitted in ecological production<br><u>Ecological Properties:</u> Growth Stimulator: high concentrations may cause plant burns.                                                                                                                                                                                                                                                                                                                 |



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| <b>13. Disposal Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <p><u>Remainders</u>: Use as organic fertilizer. Product residues may be added to compost in small quantities.</p> <p><u>Container</u>: Fully recyclable.</p> <p><u>Recommended cleaning agents</u>: Rinse thoroughly with water. Decompose rinse water as fertilizer.</p> <p><u>General measures</u>: Read instructions before use.</p>                                                                                                                                    |
| <b>14. Transport Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <p>EC Directive (91/155 EEC)</p> <p>Not hazardous for transport under UN,ADR/RID/IMO/IMDG/CFR</p> <p>Shipping information: House and Garden® Multi Zen</p>                                                                                                                                                                                                                                                                                                                  |
| <b>15. Regulatory Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <p>Labelling in compliance with EC Directives (20092/91.)</p> <p>R phrase: None</p> <p>S phrase: None</p>                                                                                                                                                                                                                                                                                                                                                                   |
| <b>16. Other Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <p>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.</p> |