Section 1. Chemical Product and Company Identification

Product name: Roots & All Ultimate Grass and Weed Killer Concentrate

Product Code: ULTC16/32

Formula No.: EPA Reg. No. 67760-55-40849

Date of issue: 03/25/02

Version: 1.0

Emergency telephone number:
For MSDS Information: Compliance Services, 404 352 1680
For a Medical Emergency: Toll Free INFOTRAC, 877 541 2016 (Calls Recorded)
For a Transportation Emergency: Toll Free CHEMTREC, 800 424 9300 (Calls Recorded)

Prepared by:
Acuity Specialty Products Group
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

<table>
<thead>
<tr>
<th>Name of Hazardous Ingredients</th>
<th>CAS #</th>
<th>% by Weight</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Glyphosate isopropylamine salt</td>
<td>38641-94-0</td>
<td>20-30</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Section 3. Hazards Identification

**Acute Effects**

- **Eyes**: Slightly hazardous in case of eye contact (irritant).
- **Skin**: May be slightly irritating in case of skin contact.
- **Inhalation**: Slightly hazardous in case of inhalation.
- **Ingestion**: Practically non-toxic if swallowed. Ingestion may cause gastrointestinal irritation and diarrhea.

**Routes of Entry**

- Inhalation
- Ingestion

**Chronic Effects**: Repeated or prolonged exposure is not known to aggravate medical condition.

**Carcinogenic Effects**: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

See Toxicological Information (section 11)

Section 4. First Aid Measures

**Eye Contact**: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

**Skin Contact**: Wash with soap and water. Get medical attention if irritation develops.

**Inhalation**: If inhaled, remove to fresh air. Get medical attention if symptoms occur.

**Ingestion**: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Section 5. Fire Fighting Measures

**Flash Point**: Not applicable.

**Flammability**: Not applicable.

**Flammable Limits**: Not applicable.

**Fire Hazard**: Not applicable.

**Fire-Fighting Procedures**: Not applicable.

Section 6. Accidental Release Measures

**Spill**

- Clean up: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
Section 7. Handling and Storage

Handling  Avoid contact with eyes. Wash thoroughly after handling. Do not apply directly to water or wetlands.
Storage  Keep container tightly closed and sealed until ready to use. Stainless steel may be used, however do not use or store in galvanized or unlined steel containers. Store above 40°F and below 120°F.

Section 8. Exposure Controls, Personal Protection

<table>
<thead>
<tr>
<th>Personal Protection</th>
<th>Protective Clothing (Pictograms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes</td>
<td>Safety glasses.</td>
</tr>
<tr>
<td>Body</td>
<td>Protective gloves should be worn under normal conditions of use.</td>
</tr>
<tr>
<td>Respiratory</td>
<td>A respirator is not needed under normal and intended conditions of product use.</td>
</tr>
</tbody>
</table>

Section 9. Physical and Chemical Properties

| Physical State | Liquid. |
| pH             | 4.7     |
| Boiling Point  | >100°C (212°F) |
| Specific Gravity | 1.11 (Water = 1) |
| VOC (Consumer) | 0 (g/l). |
| Solubility     | Miscible in water. |

| Color      | Yellow. |
| Odor       | Odorless. |
| Vapor Pressure | Not determined. |
| Vapor Density | Not determined. |
| Evaporation Rate | Not available. |

Section 10. Stability and Reactivity

Stability and Reactivity  The product is stable.
Incompatibility  Reactive with oxidizing agents.
Hazardous Decomposition Products  Carbon oxides (CO, CO2) and nitrogen oxides (NO, NO2...)
Hazardous Polymerization  Will not occur.

Section 11. Toxicological Information

Toxicity to Animals  Not applicable.
Chronic Effects on Humans  No evidence of risk in humans.

Section 12. Ecological Information

Ecotoxicity  Not available.
Biodegradable/OECD  Not available.

Section 13. Disposal Considerations

Waste Information  Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream  N/A
Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name  Not regulated
DOT Classification  Not a DOT controlled material (United States).
UN number  Not applicable.
TDG Classification  Not controlled under TDG (Canada).

Section 15. Regulatory Information

U.S. Federal Regulations  SARA 313 toxic chemical notification and release reporting: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean air act (CAA) 112 regulated toxic substances: No products were found.
State Regulations  California prop. 65: No products were found.
WHMIS (Canada)  CLASS D-2B: Material causing other toxic effects (TOXIC).

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.