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Material Safety Data Sheet AND SAFE HANDLING DISPOSAL INFORMATION

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

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
1) Glyphosate isopropylamine salt	38641-94-0	20-30	Not available.

Section 3. Hazards Identification

Acute Effects

Routes of Entry Inhalation. Ingestion.

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.

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)

HMIS

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Personal Protection	B

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. **Flammable Limits** Not applicable.

Flammability 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

Personal Protection

Protective Clothing (Pictograms)

Eyes Safety glasses.
Body Protective gloves should be worn under normal conditions of use.
Respiratory A respirator is not needed under normal and intended conditions of product use.



Section 9. Physical and Chemical Properties

Physical State	Liquid.	Color	Yellow.
pH	4.7	Odor	Odorless.
Boiling Point	>100°C (212°F)	Vapor Pressure	Not determined.
Specific Gravity	1.11 (Water = 1)	Vapor Density	Not available.
VOC (Consumer)	0 (g/l).	Evaporation Rate	Not available.
Solubility	Miscible in water.		

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.*