



**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Chemical Product

BRANDT PARCO-ROOT XL

Common Name: Micronutrient fertilizer.  
Chemical Description: Complexed fertilizer solution of chelates, seaweed and humus.  
TSCA/CAS No.: This product is a mixture — there is no specific CAS number.

Manufactured For

Brandt Consolidated, Inc.  
2935 So. Koke Mill Road  
Springfield, IL 62711

Emergency Phone Numbers

CHEMTREC (24-Hour Emergency Number): (800) 424-9300  
EPA National Response Center: (800) 424-8802

**SECTION 2. HAZARDOUS INGREDIENTS**

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
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None.

**SECTION 3. EMERGENCY/HAZARDS OVERVIEW**

Black liquid with seaweed odor. Harmful if swallowed. May cause eye and skin irritation. Avoid contact with strong acids, chlorides, nitrocarbons, chlorocarbons, or strong bases. Not D.O.T. regulated.

HEALTH: 1      REACTIVITY: 0      FLAMMABILITY: 0      ENVIRONMENT: 0  
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

**SECTION 4. FIRST AID**

Eyes: Rinse eyes with plenty of running water for at least 15 minutes. Get medical attention.  
Skin: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation persists.  
Ingestion: Harmful if swallowed. Call a physician or Poison Control Center immediately. Do not give anything by mouth to an unconscious person.  
Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth and get medical attention.

SECTION 5.	FIRE AND EXPLOSION HAZARDS
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Flash Point:	Does not flash.
Test Method:	Not available.
LEL Flammable Limits:	Not available.
UEL Flammable Limits:	Not available.
Autoignition Temperature:	Not available.
Flammability Classification:	Noncombustible.
Known Hazardous Products of Combustion:	Not known.
Properties that Initiate/Contribute to Intensity of Fire:	Not known.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	Not known.
Unusual Fire & Explosion Hazards:	None.
Extinguishing Media:	Foam, carbon dioxide, dry chemical, or water fog.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and full protective clothing. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6.	SPILLS AND LEAKS
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Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Collect liquid or absorb onto absorbent material and package for disposal.
Evacuation:	Not necessary.

SECTION 7.	STORAGE AND HANDLING
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Storage:	Store in original container only in a cool, well-ventilated, dry place at temperatures between 40 and 95°F. Do not store near food or feeds. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Keep out of reach of children. Harmful if swallowed. Avoid contact with eyes and skin and breathing spray mists or vapors. Avoid contamination of feed or foodstuffs. After using this product remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water.

SECTION 8.	PERSONAL PROTECTIVE EQUIPMENT
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Eyes:	Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Impervious gloves and clothes.
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
Ventilation:	Recommended but no TLV established.

**SECTION 9. PHYSICAL AND CHEMICAL DATA**

Appearance:	Black liquid.
Odor:	Seaweed odor.
pH:	Not available.
Vapor Pressure (mm Hg.):	1.
Vapor Density (Air=1):	Not available.
Boiling Point:	>230°F.
Freezing Point:	Not available.
Water Solubility:	89% soluble.
Density:	10.2 lbs./gal
Evaporation Rate (Butyl Acetate = 1):	0.91.
Viscosity:	Not available.
% Volatile:	72% volatile by volume.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

**SECTION 10. STABILITY AND REACTIVITY**

Stability:	Stable.
Conditions To Avoid:	Temperatures over 130°F.
Incompatibility:	Strong acids, chlorides, nitrocarbons, chlorocarbons, or strong bases.
Hazardous Decomposition Products:	None.
Hazardous Polymerization:	Will not occur.

**SECTION 11. POTENTIAL HEALTH EFFECTS**Acute Effects:

Eyes:	Irritant. May cause redness and burning.
Skin:	Irritant, especially from prolonged exposure. Concentrate may cause slight burn to human tissue.
Ingestion:	May cause stomach cramps and/or nausea.
Inhalation:	None expected but inhalation may cause mild irritation of nasal mucous membranes.
<u>Subchronic Effects:</u>	None known.
<u>Chronic Effects:</u>	None known.

**SECTION 12. ECOLOGICAL INFORMATION**

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Not known.
Toxicity to Plants:	Not known.
Toxicity in Birds:	Not known.

**SECTION 13. DISPOSAL**

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents in accordance with state and local waste disposal regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.

**SECTION 14. TRANSPORTATION**

D.O.T.:	Not D.O.T. Regulated.
Other Shipping Description:	Fertilizing Compounds (Manufactured), Liquid. NMFC Item 68140 Sub 6, LTL Class 70

**SECTION 15. REGULATORY INFORMATION**

CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: None.

**SECTION 16. OTHER**

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