



13. DISPOSAL CONSIDERATIONS						
<b>WASTE RESIDUE/CONTAMINATED PACKAGING DISPOSAL</b>	Triple rinse container, add rinsate to spray tank. Do not rinse down drain. Refer to manufacturer or supplier for information on container recovery or recycling. Dispose of packaging in a manner consistent with federal, state and local regulations.					
14. TRANSPORTATION INFORMATION						
<b>US DOT TRANSPORT HAZARD CLASS</b>	No Information Required	<b>LABELS &amp; PLACARDS REQUIRED</b>				
<b>PACKING GROUP</b>						
<b>UN NUMBER</b>						
<b>MARINE POLLUTANT</b>	No Data Available					
15. REGULATORY INFORMATION						
<b>CALIFORNIA PROP. 65</b>	This product does not contain any chemicals known to state of California to cause cancer and birth defects or other reproductive harm.					
<b>TSCA / CAA / CWA / CERCLA</b>	Mixture Component Reportable Quantity None.					
<b>SARA TITLE III</b>	This product contains the following toxic chemical material(s) with known CAS numbers subject to reporting requirements established by SARA Title III					
	SARA Section 311/312 Hazard Categories		SARA Section 313, SARA Section 302, SARA section 304			
	Pressure	No	313 Mixture Component	CAS#	313 RQ	302/304 EHS RQ
	Reactivity:	No	None			
	Immediate (Acute):	Yes				
	Delayed (Chronic):	No				
Fire:	No					
<b>INTERNATIONAL REGULATIONS</b>	CANADA: WHMIS: Not available. DSL/NDSL: The substance is not on any list.					
16. OTHER INFORMATION						
<b>ISSUE DATE SUPERCEDES</b>	December 8, 2015 All previous versions	Revised: 8/30/2016				
	The information contained herein is accurate to the best of our knowledge. BioGro, Inc makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. Chemical additions, processing, or otherwise altering this material may make information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. All Rights Reserved.					

BioGro, Inc.		SAFETY DATA SHEET		Plant-X Rhizo-Pro	
1. IDENTIFICATION					
MANUFACTURER/ OR SUPPLIER'S NAME BioGro, Inc.			TELEPHONE NO./ AFTER HOURS EMERGENCY (509) 894-4110 / (800) 738-7457		
MAILING ADDRESS PO Box 326 Mabton WA 98935			MANUFACTURING ADDRESS 681 Glade Rd / Mabton WA 98935		
PRODUCT NAME Plant-X Rhizo-Pro			WEBSITE <a href="http://www.BioGro.com">www.BioGro.com</a>		
CHEMICAL FAMILY , SYNONYMS AND TRADE NAMES Fermentation Broth and Microbial By-Products			RECOMMENDED USE OF THE CHEMICAL Natural Amino & Organic Acids Naturally Occurring Microorganisms.		
2. HAZARD(S) IDENTIFICATION					
<b>SIGNAL WORD</b> WARNING		<b>HAZARD STATEMENT</b> H302: Harmful if swallowed. H315: Causes skin irritation. H320: Causes eye irritation.		<b>PRECAUTION STATEMENT</b> Wear protective gloves/protective clothing/eye protection. Avoid contact with skin, eyes, open cuts, or sores. Wash skin thoroughly after handling.	
<b>SYMBOL(S)</b> 					
3. MIXTURE COMPOSITION / INFORMATION ON INGREDIENTS					
CHEMICAL NAME	CAS NUMBER	BY WEIGHT	INGREDIENT HAZARD DATA		
Proprietary solution containing plant nutrients derived from Fermented Plant Material- GUARANTEED ANALYSIS: 2-0-0 Nitrogen (N) 2% derived from Urea and Nitric Acid		100%	See section 2.		
*Percentage based on protected production formula and is not a guaranteed analysis.					
4. FIRST-AID MEASURES					
<b>EYE CONTACT</b>	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Get medical attention if eye irritation persists.				
<b>SKIN CONTACT</b>	Remove contaminated clothing. Wash skin with soap and plenty of water. Wash contaminated clothing before reuse. If skin irritation occurs: get medical advice.				
<b>INHALATION</b>	Remove person to fresh air and keep comfortable for breathing. Seek medical attention. If not breathing, give artificial respiration if trained to do so.				
<b>INGESTION</b>	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.				

5. FIRE-FIGHTING MEASURES	
<b>EXTINGUISHING MEDIA</b>	Use extinguishing media suitable for surrounding materials to extinguish fire. Use foam, dry chemical, carbon dioxide or water spray if suitable for surrounding materials.
<b>HAZARDOUS PRODUCTS OF COMBUSTION</b>	Non-flammable. Non-explosive. Products of combustion could include Potassium Oxides.
<b>FIRE FIGHTING PRECAUTIONS</b>	The use of self-contained breathing apparatus (SCBA) and full protective clothing is recommended for fire-fighters for chemical fires. Dike and collect water used to fight fire for later treatment and disposal.

6. ACCIDENTAL RELEASE MEASURES	
<b>PERSONAL PRECAUTION</b>	Observe personal protective equipment in Section 8. Avoid breathing vapors, mists or gas. Avoid contact with the spilled material.
<b>CONTAINMENT AND CLEANUP</b>	Contain spill with dry earth, sand or suitable material. Collect spillage and place material in a suitable container for disposal. Do not flush residue into local waterways, drains, or potable water source.
<b>ENVIRONMENTAL PRECAUTIONS</b>	None known.

7. HANDLING AND STORAGE	
<b>HANDLING</b>	Wear personal protective equipment (PPE section 8). Avoid contact with skin. Avoid contact with eyes. Wash thoroughly with soap and water after handling. Wash PPE after use with this product.
<b>STORAGE</b>	Store in original packaging. Keep upright. Store out of direct sunlight in a well ventilated area. Do not over-heat. Do not store below freezing. Store away from incompatible materials (see section 10). Maintain air gap. Keep away from children, feed and food products.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION	
<b>ENGINEERING CONTROLS</b>	Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.  Practice good industrial hygiene and safety standards. Do not eat, drink or smoke in work areas. Use in accordance with the agricultural worker protection standard, CFR Part 170. Do not apply this product in a way that will contaminate workers or other persons.
<b>EYE/FACE PROTECTION</b>	Wear appropriate protective chemical safety goggles or face shield as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
<b>SKIN PROTECTION</b>	Avoid skin contact by wearing chemical resistant gloves, long sleeves and long pants, coveralls, socks, and boots. Wear appropriate clothing to prevent skin exposure. The type of protective equipment used should be equivalent to the concentration of the hazardous material.  Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands.
<b>RESPIRATORY PROTECTION</b>	Wear respiratory protection during operations where spraying or misting occurs. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9. PHYSICAL AND CHEMICAL PROPERTIES			
APPEARANCE	Brownish-Orange Liquid	ODOR	Pungent
SPECIFIC GRAVITY	1.0 Kg/l at 68°F	GALLON WEIGHT	8.41 lbs/gal
pH	3.0-3.5	ODOR THRESHOLD	Not Available.
FREEZING POINT	Not Available.	EVAPORATION RATE	Not Available.
FLASHPOINT	Not Available.	VAPOR PRESSURE	Not Available.
AUTO-IGNITION POINT	Not Available.	VAPOR DENSITY (Air=1)	Not Available.
BOILING POINT	100°C (212°F)	SOLUBILITY	Not Available.
MELTING POINT	Not Available.	% VOLATILE	Not Available.
FLAMMABILITY LIMITS	Not Available.	OCTANOL/WATER PARTITION COEFFICIENT	Not Available.

Note: These physical data are typical values of material tested and not intended to be a guaranteed analysis of specification of any specific lot.

10. STABILITY AND REACTIVITY	
<b>INCOMPATIBLE MATERIALS / STABILITY</b>	Stability: Stable under normal transport and storage conditions.  Incompatible Materials: not available.
<b>HAZARDOUS REACTIONS / DECOMPOSITION PRODUCTS</b>	Hazardous Polymerization does not occur. No hazardous reactions known to occur under normal use conditions. No hazardous decomposition products known.
<b>CONDITIONS TO AVOID</b>	None known. See storage information (Sec 7).

11. TOXICOLOGICAL INFORMATION	
<b>ACUTE TOXICITY VALUES</b>	Acute Oral LD50 (Rat): Mixture: No data available. Acute Dermal LD50 (Rat): Mixture: No data available Acute Inhalation LC50 (Rat): Mixture: No data available
<b>ROUTES OF EXPOSURE</b>	Ingestion: Skin / Eye contact: Inhalation:
<b>SIGNS AND SYMPTOMS OF OVEREXPOSURE</b>	Short term effects: May temporarily stain skin, redness of skin, eyes watering profusely.  Long term effects: No data available.
<b>CHRONIC EFFECTS CARCINOGENICITY</b>	No components are considered a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>SPECIFIC TARGET ORGAN TOXICITY</b>	No data available.

12. ECOLOGICAL INFORMATION			
<b>ECOTOXICITY</b>	No data available.	<b>MOBILITY IN SOIL</b>	Dependent on soil condition.
		<b>BIOACCUMULATIVE POTENTIAL</b>	No data available.
<b>PERSTISTANCE &amp; DEGRADABILITY</b>	No data available.		