

**Material Safety Data Sheet
For PLANT XL**

Section 1 – Chemical Product and Company Identification

Product Name	Plant XL
Chemical Family	Carbon
Chemical Formula	Not Applicable, Mixture
Effective Date	January, 2011
Manufacturer/Supplier	Alpha Agri-Products Inc. 41656 Harriston Road, RR #1 Bluevale, Ontario, CANADA N0G 1G0
Telephone Number	1866 935 3901

Section 2 - Composition Information on Ingredients

All ingredients are organic. Plant XL contains bacteria and fungi in a carrier medium containing carbohydrates and humic acid.

Section 3 - Hazards Identification

<u>Emergency Overview</u>	May cause eye and skin irritation,	
<u>Potential Health Effects</u>		
Eye Contact	May cause eye irritation. Avoid direct contact.	
Skin Contact	Frequent or prolonged contact may cause irritation, drying or cracking of the skin.	
Inhalation	No known effects	
Ingestion	No known effects	
<u>Carcinogenicity</u>	NTP	Not listed
	IARC	Not listed
	OSHA	Not listed

Section 4 - First Aid Measures

Eye Contact	Flush immediately with plenty of water for at least 15 minutes. Get prompt medical attention.
Skin Contact	Wash with soap and water to remove residue.
Inhalation	Not applicable
Ingestion	None.

Section 5 – Fire Fighting Measures

Flash Point	>100C
Lower Flame Limit	Not established
Higher Flame Limit	Not established
Autoignition Temperature	Not established
Flammability Classification	Non-flammable
Flammability Properties	Requires extreme heat to ignite
Extinguishing Media	Foam or water spray. CO ₂ dry chemical.
Special Fire fighting Procedures	If involved in fire, use water spray, foam, dry chemical or CO ₂
Hazardous Combustion Products	None
Unusual fire & Explosion Hazards	None

Section 6 - Accidental Release Measures

Small Spills	Use personal Protective equipment as necessary. Adsorb with a suitable chemical adsorbent. Dispose of materials in accordance with state, federal and local regulations
Large Spills	Transfer liquid to a holding container. Adsorb residue with chemical adsorbent. Dispose of material in accordance to federal, state and local regulations.

Section 7 - Handling and Storage

Handling	Wash thoroughly after handling. Avoid contact with eyes and skin.
Storage	Keep Container tightly closed. Store between 5-15°C. DO NOT FREEZE. Store out of direct sunlight. Comply with federal, state and local regulation in handling and dispensing of this type of compound.

Section 8 - Exposure Controls, Personal Protective Equipment

Engineering Controls	Good General ventilation should be used. Ventilation rates should be matched to the conditions.
Eye Protection	Wear safety Glasses with side shields. Avoid eye contact.
Skin Protection	Chemically resistant gloves are recommended.
Respiratory Protection	None Necessary.

Section 9 - Physical and Chemical Properties

Physical Form	Liquid
Colour	Brown
Odour	No odour
pH	9.01
Vapour Pressure and Density	Not available
Boiling Point	92°C
Melting Freezing Point	- 50°C
Solubility in Water (770F)	Miscible
Specific Gravity	1.02
Volatility	~ 15 - 25 %
Evaporation Rate	Not Available

Section 10 Stability and Reactivity

Chemical Stability	Stable
Conditions to Avoid	Avoid warm temperatures
Incompatible Materials	Strong oxidizing agents
Decomposition Products	Oxides of carbon, nitrogen, and phosphorous
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

LC50 not established. 96-hour trout bioassay: was determined to be non-toxic at 250 ppm. No measurable effects on water chemistry over 96 hours.

Section 12 – Ecological Information

No appreciable bioconcentration is expected in the environment. All components are generally regarded as safe natural products.

Section 13 – Disposal Considerations

TCPL	No component is regulated.
RCRA	No component is regulated.

Section 14 - Transportation Information

D.O.T. Shipping Name	Not Hazardous
D.O.T. Hazard Class	Not Hazardous
N.A. I.D. Number	Not Applicable
U.N. I.D. Number	Not Applicable
Product Label	Plant XL

Section 15 - Regulatory Information

TSCA Status	All components of this product are listed on the TSCA inventory.	
CERCLA Reportable Quantity	None	
OSHA Status	Non-Hazardous	
Section 302 Extremely hazardous substances	None	
Section 311/312 Hazard Categories	Immediate (acute) health	No
	Delayed chronic health	No
	Fire hazard	No
	Sudden release of pressure	No
	Reactive	No
Section 313 Toxic Chemicals	None	
RCRA Status	Non-Hazardous	
CAS Domestic Product Number	68514-28-3	

Section 16 - Other Information

HMIS Hazard Rating:		NFPA HAZARD RATING:			
Health	0	Health	0		
Flammability	0	Flammability	0		
Reactivity	0	Reactivity	0		
PPE	A	Specific Hazard	0		

4 = Extreme	3 = High	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>Specific Hazard</u>	
2 = Moderate	1 = Low	4 Deadly	<73F	May Detonate	Oxidizer	OXY
0 = Least		3 Extreme Hazard	<100F	Shock & Heat	Acid	ACID
PPE: A = Glasses		2 Hazardous	<200	Violent Chemical	Alkali	ALK
B = Glasses, Gloves		1 Slightly Hazardous	>200F	Unstable if Heated	Corrosive	COR
C = Glasses, Gloves, Apron, Clothing		0 Normal Material	Will not burn	Stable	No Water	/W

****ALPHA AGRI-PRODUCTS INC. EXPRESSLY DISCLAIMS ALL EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE PRODUCT PROVIDED****

The information is provided without warranty, express or implied, except that it is accurate to the best of knowledge of Alpha Agri-Products Inc. 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. The data on this sheet refers only to the specific material designated herein Alpha Agri-Products Inc. assumes no legal responsibility for use or reliance upon these data.