

Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

Product Name	Humika (Liquid Carbon Concentrate)
Chemical Family	Carbon / Humic acid 15% - Fulvic acid 4%
Chemical Formula	Not Applicable
Effective Date	January 1, 2015
Manufacturer/Supplier	Alpha Agri-Products Inc. 41656 Harriston Road, RR#1 Bluevale, Ontario CANADA N0G 1G0
Telephone Number:	519-335-3901 or 1866 935 3901

Section 2 – Composition Information on Ingredients

None

Section 3 – Hazards Identification

Emergency Overview

May cause eye and skin irritation.

Potential Health Effects

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	None

Carcinogenicity

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	No known effects
Ingestion	None

Section 6 – Fire Fighting Measures

Flash Point	>100°C
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	Oxides of nitrogen and carbon dioxide, carbon monoxide
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	Dike to prevent from entering any sewer or waterway. 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 regulations 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	Dark brown to black
Odour	Nil
pH	9.03
Vapour Pressure and Density	Not available
Boiling Point	94°C
Melting/Freezing Point	-5°C
Solubility in Water (77°F)	Miscible
Specific Gravity	1.03
Volatility	~15 – 25%
Evaporation Rate	Not available

Section 10 – Stability and Recovery

Chemical Stability	Stable
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Conditions to Avoid	High 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 250ppm. 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

DOT Shipping Name	Not hazardous
DOT Hazard Class	Hot hazardous
NA ID Number	Not applicable
UN ID Number	Not applicable
Product Label	Humika (Liquid Carbon Concentrate)

Section 15 – Regulatory Information

TSCA Status	All components of this product are listed on the TSCA Inventory	
CERCLA Reportable Quantity		
OSHA Status	Non-Hazardous	
SARA TITLE III		
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	
RCTA Status	Non-Hazardous	
CAS Identification Number	68514-28-3	

Section 16 – Other Information

HMIS Hazard Rating	HFPA Hazard Rating		
Health 0	Health	0	
Flammability 0	Flammability	0	
Reactivity 0	Reactivity	0	
PPE A	Specific Hazard	0	

Hazard Rating	Health	Fire	Reactivity	Specific Hazard
4 = Extreme	4 Deadly	<73F	May detonate	Oxidizer OXY
3 = High	3 Extreme Hazard	<100F	Shock & Heat	Acid ACID
2 = Moderate	2 Hazardous	>200F	Violent Chemical	Alkali ALK
1 = Low	1 Slightly Hazardous	>200F	Unstable if Heated	Corrosive COR
0 = Least	0 Normal Material	Will not Burn	Stable	No Water /W

PPE A = Glasses
 B = Glasses, Gloves
 C = Glasses, Gloves, Apron, Clothing

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