

Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

Product Name HumiKa (Liquid Carbon Concentrate)
Chemical Family Carbon
Chemical Formula Not Applicable
Effective Date January 1, 2006
Manufacturer/Supplier Alpha Agri-Products Inc.
41656 Harriston Road, RR#1
Bluevale, Ontario CANADA N0G 1G0
519-335-3901

Telephone Number:

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. CO₂ dry chemical.

Special Fire Fighting Procedures

If involved in fire, use water spray, foam, dry chemical or CO₂

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

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

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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