



Material Safety Data Sheet

Date Prepared: March 2014

Product Name: Green Activator Fertilizer Solution

Section I: Manufacturer's Information

Innovative Crop Solutions, Inc. 515-899-2200
24887 D Ave
Radcliffe, IA 50230

Section II: Hazardous Ingredients/Identity Information

	Weight %	Exposure Limit
Water (H ₂ O)	16%	N/A
Humates (Lignite)	20%	N/A
Nitrogen	45%	N/A
Phosphoric Acid	12%	N/A
Caustic Potash	7%	N/A

Product Identification

Chemical Family: Humates
Common Name: Hum organic fertilizer
NFPA/HMIS: Health-0, Fire-N/A, Reactivity-0, Specific Hazard-0
DOT Class: Not regulated

Section III: Physical/Chemical Characteristics

Appearance/Odor: Dark Brown, Odorless
Vapor Pressure: N/A
Solubility in Water: 100%
Freezing Point (F): 32 F
PH: < 5
Specific Gravity: 1.6
Volatile by Volume: 20%
Vapor Density: N/A
Boiling Point (F): 400 F
Evaporation Point: N/A
Weight per gallon: 11 lbs

Section IV: Fire & Explosion Information

Flash Point: 400 F Cleveland Cup
Flammable Limits: N/A
Extinguishing Media: Foam, Water Fog
Special Fire Procedures: N/A
Unusual Fire & Explosive Hazards: None

Section V: Reactivity Data

Stability:	Stable
Conditions to Avoid:	None known
Incompatibility (Materials to Avoid):	Active Metals
Hazardous Decomposition:	None known
Hazardous By-products:	None known
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	None known

Section VI: Health Hazard Data

Routes of Entry:	Inhalation – No Skin – Yes Eyes – Yes Ingestion – No
Health Hazards (acute & chronic):	None
Carcinogenicity:	None known
Signs & Symptoms of Exposure:	May cause skin irritation with repeated Exposure, eye irritation
Medical Conditions	
Aggravated by Exposure:	None known
Emergency & First Aid Procedure:	Eyes – flush with water, see physician if discomfort persists, Skin – wash with water

Section VII: Precautions for Safe Handling and Use

Steps to be taken in case material Is released or spilled:	If liquid, flush with water If dried, scrape up and remove Avoid breathing dust
Waste Disposal Method:	Follow federal, state and local regulations For liquid and solid waste disposal
Precautions to be taken in Handling and Storing:	Avoid breathing dust if dry
Other Precautions:	None

Section VIII: Special Protection Information

Respiratory Protection:	None
Ventilation:	Special Ventilation not required
Protective Gloves:	Required only for prolonged exposure
Eye Protection:	Use precaution
Other Protective Measures:	Store in dry, ventilated location away from fire hazards and proximity to active metals, exercise caution to prevent damage to and leakage from containers.

Section IX: Special Precautions

Precautionary labeling:	Hazardous if swallowed, keep away from children, avoid prolonged contact with skin, flush with water in case of eye contact.
Other handling and Storage conditions:	None

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