

# MATERIAL SAFETY DATA SHEET

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## SECTION I. PRODUCT IDENTIFICATION

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Product Name: **Huma Connect 1 (Powder)**  
Physical State: Powder  
Trade Name: Potassium Humate  
CAS number: Proprietary

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## SECTION II. HAZARDOUS IDENTIFICATION

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Emergency Overview: Not Classified  
Nuisance dust: As with all dusts, avoid high concentrations

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## SECTION III. PHYSICAL DATA

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Appearance and odor: Black powder with slight odor	Melting Point: Not Known
Boiling Point (C): N/A	Bulk Density (g/ml): .55
Vapor Pressure: N/A	Specific Gravity: N/a
Percent Volatile by weight 6-10% H2O	pH (3% soln.): 8.5
Solubility in Water: 100%	Evaporation Rate: N/A

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## SECTION IV. FIRE AND EXPLOSION DATA

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Extinguishing Media: Use water spray, carbon dioxide, dry chemical, alcohol-type or universal-type foams applied by manufacturer's recommended techniques.  
Improper Extinguishing Media: Avoid water in straight hose stream; will scatter and spread fire.  
Special Fire Fighting Procedures: Use supplied breathing air and protective clothing.  
Fire and Explosion Hazards: Flammable solids may provide conditions for a dust explosion

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## SECTION V. COMPOSITION/ INFORMATION ON INGREDIENTS

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Ingredient Name:	CAS No.	Percent
Humic Acid, Potassium Salt	68514-28-3	>= 90%
Water	7732-18-5	10%

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## SECTION VI. FIRST AID MEASURES

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Eyes: Irrigate with potable water.  
Skin: Skin should be flushed with clean water.  
Inhalation: Remove from dusty area.  
Ingestion: Give water to dilute and get medical attention.

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**SECTION VII. TOXICITY DATA**

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<b>Acute (Single Exposure) Route of exposure</b>	<b>Toxic Test. Value/unit</b>	<b>Product/Similar Product Species</b>
Oral LD50	>5,000mg/kg	Rat
Skin Contact:	Slightly irritation to skin	
Eye contact:	Minimally irritation to eyes	
Sensitization to Material:	None Known.	
Chronic Toxicity:	Product/ Similar product	
Carcinogen listings:	Not a carcinogen	
Mutagenicity:	Not known	

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**SECTION VIII. ACCIDENTAL RELEASE MEASURES**

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Personal Precautions:	Use personal protection recommended in Section 8
Environmental Precautions:	Avoid infiltration of large quantities into drains, surface water, groundwater and soil.
Methods for Containment:	Provide ventilation and confine spill.
Methods for Clean-up:	Mechanically collect and remove spilled material. Area may be washed with water.

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**SECTION IX. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

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OSHA PELV:	15 mg/M3 (total) and 5 mg/M3 (respirable) (dust as PNOR)
Exposure Control:	Adequate ventilation for comfort is recommended.
Respiratory Protection:	Full respiratory protection program recommended. NIOSH approved dust mask recommended.
Hand Protection:	Gloves recommended for prolonged exposure.
Eye Protection:	Goggles recommended for prolonged exposure.
Personal Protection:	Clothing which contacts skin should be changed daily.

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**SECTION X. TRANSPORTATION INFORMATION**

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Shipping Name- Dot	Coal- Class 50	Harmonized tariff Code for US: 2702.10.1000
Hazard Class- Dot	Not Restricted	Hazard Class- IATA: Not Restricted
UN Number:	Excluded	EU Classified as Dangerous No Goods:

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**SECTION XI. REGULATORY INFORMATION**

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GLOBAL CHEMICAL INVENTORY STATUS

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**SECTION XII. DISPOSAL INFORMATION**

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General Regulations:	Dispose or destroy in accordance with official recommendations and applicable legislation.
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