

# MATERIAL SAFETY DATA SHEET

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## SECTION I. PRODUCT IDENTIFICATION

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Product Name: **Huma Connect 2 (Powder)**  
Physical State: Powder  
Trade Name: Potassium Humate  
CAS number: 68514-28-3

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## SECTION II. HAZARDOUS IDENTIFICATION

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Emergency Overview: Contains silica crystalline. Chronic exposure over the PEL may result in silicosis or other respiratory ailments.  
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:	>130 C
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	90-94%
Water	7732-18-5	6-10%
Silica Crystalline	014808-60-7	1%

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## SECTION VI. FIRST AID MEASURES

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Eyes: Irrigate with potable water.  
Skin: Skin should be cleaned with soap and 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)</b>	<b>Toxic Test.</b>	<b>Product/Similar Product</b>
<b>Route of exposure</b>	<b>Value/unit</b>	<b>Species</b>
Oral LD50	No Data	Rat
Skin Contact:	No Data	
Eye contact:	No Data	
Sensitization to Material:	None Known.	
Chronic Toxicity:	Product/ Similar product	
Carcinogen listings:	IARC lists inhaled crystalline silica/quartz from occupational sources as group I; carcinogenic to humans	
Mutagenicity:	No Data. Chronic exposure over the PEL may result in silicosis or other respiratory ailments.	

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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:	Flammable solids may provide conditions for a dust explosion.

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

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OSHA PELV:	0.05 mg/M3 NiOSH for Crystalline Silica. 0.5 mg/M3 for nuisance dust and 5 mg/M3 (respirable) (dust as PNOR)
Exposure Control:	Sufficient ventilation is recommended to keep dust levels below the PEL
Respiratory Protection:	Full respiratory protection program recommended. NIOSH approved dust mask recommended.
Hand Protection:	Gloves recommended.
Eye Protection:	Goggles recommended.
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 Not Known 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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