



# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT IDENTIFICATION AND USE

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<b>PRODUCT IDENTIFIER:</b>	Humik		
<b>PRODUCT USE:</b>	Natural Soil Additive	<b>SUPPLIER'S NAME:</b>	Same as manufacturer
<b>MANUFACTURER'S NAME:</b>	BioFert Manufacturing Inc	<b>ADDRESS:</b>	Same as manufacturer
<b>ADDRESS:</b>	Unit 207- 27353-58 Crescent, Langley BC. V4W 3W7		

**Emergency Phone No:** 1(866) 246-3378

## SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	LD <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES & ROUTE)
Product does not contain any hazardous material	NAP	NAP

## SECTION 3 – PHYSICAL DATA

<b>PHYSICAL STATE:</b>	Granular	<b>ODOUR &amp; APPEARANCE</b>	No odor, Blackish Brown
<b>ODOUR THRESHOLD (ppm):</b>	NAV	<b>VAPOUR PRESSURE (mmHg):</b>	NA
<b>Boiling Point</b>	N/A		
<b>VAPOUR DENSITY (air=1):</b>	N/A	<b>BULK DENSITY:</b>	790 kg/m <sup>3</sup> (loose) 840 kg/m <sup>3</sup> (tapped)
<b>pH:</b>	3.0 – 4.2	<b>MELTING POINT (°C)</b>	>300 °C
<b>FREEZING POINT (°C)</b>	NAV	<b>EVAPORATION RATE: (Butyl Acetate = 1)</b>	N/A
<b>COEF. WATER/OIL DIST</b>	NAV	<b>SOLUBILITY (in water):</b>	Insoluble

## SECTION 4 – FIRE AND EXPLOSION DATA

**FLAMMABLE:** Not considered as fire hazard.

**IF YES, UNDER WHAT CONDITIONS?** Product is not combustible. Not considered as explosion hazard.

**MEANS OF EXTINCTION:** Use media appropriate for surrounding fire.

**SPECIAL PROCEDURES:** Use protective clothing and breathing equipment appropriate for surrounding fire.

<b>FLASHPOINT (°C) &amp; METHOD:</b>	N/D	<b>AUTO IGNITION TEMPERATURE (°C)</b>	Not considered as fire hazard.
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<b>LOWER FLAMMABLE LIMIT (% by volume):</b>	Not considered as fire hazard.	<b>FLAMMABLE LIMIT</b>	Not considered as fire hazard.
<b>SENSITIVITY TO IMPACT:</b>	Not sensitive.	<b>SENSITIVITY TO STATIC DISCHARGE:</b>	Not sensitive.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Not Applicable.		

## SECTION 5 – REACTIVITY DATA

<b>CHEMICAL STABILITY:</b>	The product is stable under normal conditions.		
<b>INCOMPATIBILITY:</b>	Non-reactive.	<b>CORROSIVE BEHAVIOUR:</b>	NA
<b>REACTIVITY AND UNDER WHAT CONDITIONS:</b>	Not applicable.		
<b>HAZARD COMBUSTION PRODUCTS:</b>	Not applicable.		
<b>Hazardous Polymerization</b>	Will not occur.		

## SECTION 6 – TOXICOLOGICAL PROPERTIES

<b>ROUTES OF ENTRY:</b> Inhalation			
<b>EFFECTS OF ACUTE EXPOSURE TO PRODUCT:</b> Airborne respirable dust may cause irritation to the nose, throat and lungs. Dust particles may mechanically irritate the eyes and impair vision.			
<b>EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:</b> Prolong or repeated exposure through inhalation may result in progressive and permanent lung disorders and damage. Dust has been related to silicosis.			
<b>IRRITANCY OF PRODUCT:</b> Dust causes irritation as noted above. Skin contact and ingestion are not considered hazardous.			
<b>CARCINOGENICITY:</b>	Not listed.	<b>MUTAGENICITY:</b>	Not listed
<b>REPRODUCTIVE HAZARD:</b>	Not established	<b>TERATOGENICITY:</b>	Not established
<b>IRRITANCY:</b>	May cause irritation	<b>SENSITIZATION:</b>	Negligible
<b>SYNERGISTIC PRODUCTS:</b>	None established.		

## SECTION 7 – PREVENTIVE MEASURES

<b>PERSONAL PROTECTIVE EQUIPMENT:</b>	<b>Respirator:</b> An (NIOSH/MSHA) respirator equipped with a dust filter, approved for silica bearing dust, should be worn when exposed to the product under dust generating conditions. Disposable units are normally satisfactory for short-term or intermittent exposure. When handling bulk quantities wear safety goggles, coveralls and protective footwear are recommended.
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<b>HANDLING &amp; STORAGE</b>	Persons handling product should use proper protective equipment and handle with care. Minimize generation of dust during handling. Provide adequate ventilation. Be aware of dust explosion hazard. Containers should be stored in a cool dry area. Store in dry place. Keep product containers closed or covered when possible.
<b>ENGINEERING CONTROLS</b>	Local exhaust ventilation and confinement of handling system may be required to control exposure to dust.
<b>LEAK AND SPILL PROCEDURE:</b>	Small spills should be picked up with a broom and dustpan. Large spills should be vacuumed or shoveled into suitable containers for disposal or reclamation.
<b>EXPOSURE LIMITS</b>	The American Conference of Governmental Industrial Hygienists recommends $< 2 \text{ mg/m}^3$ of respirable dust (TWA limits).
<b>WASTE DISPOSAL:</b>	Ensure/Check applicable rules, government requirements and local disposal regulations.

## SECTION 8 – FIRST AID & CONTROL MEASURES

<b>INHALATION:</b>	Inhalation of dust alone is unlikely to result in an emergency situation. If necessary, use adequate respirator protection and remove victim to fresh air. Get prompt medical attention if breathing difficulty is experienced.
<b>EYE PROTECTION</b>	Flush eyes with plenty of water to remove residue dust particles. Get medical attention if irritation persists.
<b>SKIN CONTACT, INGESTION</b>	First aid is usually not necessary

**Work Hygienic Practices** Wash hands and clothing after handling product.

## SECTION 9 – DEPARTMENT OF TRANSPORTATION

### SHIPPING INFORMATION

**US and Canada:** Not regulated

**International Shipping:** Not regulated

**TDG:** Not regulated.

**IATA:** Not regulated

## SECTION 10 – PREPARATION DATE OF MSDS

**PREPARED BY:** BioFert Manufacturing Inc.

### ADDITIONAL INFORMATION:

At the time of preparation, the information and data contained in this MSDS are believed to be accurate and have been compiled from sources that are believed to be reliable.

**BUSINESS NUMBER:** 604-607-1344

**DATE:** January, 2014