

# SAFETY DATA SHEET

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## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** MinRock™ Micronized Humic Acid  
**Product Use:** Soil Amendment  
**CAS NUMBER:** 129521-66-0  
**SUPLIER NAME:** MinRock™ Technologies Inc.  
**ADDRESS:** 545 Lansdowne Ave., Woodstock, Ontario, Canada N4T 1J8  
**BUSINESS PHONE:** 519-421-6783  
**EMERGENCY CONTACT:** Local first responders  
**DATE OF PREPARATION:** September 12th, 2021  
**DATE OF LAST REVISION:** New

## SECTION 2 - HAZARDS IDENTIFICATION

**Physical State:** Solid  
**Appearance:** Fine Powder  
**Solubility in Water:** Soluble when in a Micronized State

### POTENTIAL HEALTH EFFECTS:

**Acute Toxicity:** Oral, Dermal, Inhalation  
**Routes of Exposure:** Oral, Eyes, Skin and Inhalation.  
**Eye:** Causes eye irritation.  
**Skin:** Causes mild skin irritation.  
**Inhalation:** Dust may irritate throat or respiratory system.  
**Ingestion:** May be harmful, if swallowed.

### Label Elements:



### WARNING

If medical advice is needed, have product container or label at hand  
Keep out of reach of children  
Read label before use  
Do not breathe dust  
Do not get in eyes, skin, or on clothing  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Wear protective gloves/eye protection  
Wear respiratory protection

## SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

**Chemical Name:** Lignite  
**Common Name & Synonyms:** Humilite, Oxidized/Weathered Sub Bituminous Coal  
**Chemical Abstract Service No.** 129521-66-0  
**Chemical Name of Impurities:** N/A

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## SECTION 4 - FIRST-AID MEASURES

**EYE CONTACT:** Rinse cautiously with water for several minutes.

**SKIN OR HAIR CONTACT:** Rinse with water and shower.

**INGESTION:** If swallowed, rinse mouth. Seek medical attention.

**INHALATION:** Move person to fresh air; if effects occur, consult a physician.

**CLOTHING CONTACT:** Take off contaminated clothing and wash before reuse.

## SECTION 5 - FIRE-FIGHTING MEASURES

**Flammability:** Not considered a fire hazard.

**Means of Extinction:** Use media appropriate to surround fire.

**Special Procedures:** Use protective clothing and breathing equipment.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Cleaning:** Sweep & contain, notify appropriate authorities if release to environment occurs.

**Containment:** Storage in closed containers.

## SECTION 7 - HANDLING and STORAGE

**Handling:** Ordinary dry material transfer and storage equipment (buckets, etc.).

**Storage:** Store in dry place, closed container, at temperatures not exceeding 50°C or below freezing.

## SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

### Personal Protective Equipment:

**Respiratory Protection:** An approved NIOSH/MSHA respirator with a dust filter, approved for bearing dust.

**Protective Gloves:** Wear loose fitting gloves.

**Eye Protection:** Goggles required when working with bulk material.

**Engineering Controls:** Local exhaust ventilation and confinement or handling system may be required to control dust.

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## SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State:	Dry
Odour:	Odourless
Odour Threshold:	N/A
Vapour Pressure:	N/A
Vapour Density:	N/A
Evaporation Rate:	N/A
Boiling Point:	N/A
pH:	4.2
Appearance:	Dark Brown
Specific Gravity:	800 kg/m <sup>3</sup>
Coefficient of Water/Oil Distribution:	N/A
Moisture:	25% to 35% may lose or gain moisture over time, depending on humidity, temperature and its exposure to environment.

## SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under ambient conditions.
Incompatibility with other substance:	Non-Reactive.
Minimum Ignition Temperature:	270° C @ 3% moisture, 590°C @ 25% moisture.
Minimum Explosive Concentration:	60 to 80 g/m <sup>3</sup> at 3% moisture, 500 g/m <sup>3</sup> @ 25% moisture.
Minimum Ignition Energy:	1000 mJ
Susceptibility to Spontaneous Combustion:	N/A

## SECTION 11 - TOXICOLOGICAL INFORMATION

Lethal Dose:	N/A
Lethal Concentration:	N/A
Route of Exposure:	Ingestion, skin contact, eye contact or inhalation.
Effects of Repeated (Chronic) Overexposure:	Prolonged and repeat exposure via inhalation of dust may result in progressive and permanent lung disorders.
Free Silica:	≤ 2%
Respirable Quartz Silica:	≤ 0.5%
Significant Laboratory Data with Possible Relevance to Human Hazard Evaluation:	Dust has been related to silicosis, ACGIH recommends ≤ 2 mg/m <sup>3</sup> respirable dust (TWA limit).

## SECTION 12 - ECOLOGICAL INFORMATION

N/A

## SECTION 13 - DISPOSABLE CONSIDERATIONS

**Disposal:** In accordance to applicable environmental regulations.



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## SECTION 14 - TRANSPORTATION INFORMATION

Department of Transportation: Not considered a Hazardous Material.

## SECTION 15 - REGULATORY INFORMATION

Regulations: Canadian Food Inspection Agency (Exempt)  
US Department of Agriculture - National Organic Program

## SECTION 16 - OTHER INFORMATION

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If you have any questions regarding any information provided in this document, contact us:

PREPARED BY: *M.J. Kean* MSDS to GHS Compliance ([www.msdstoghs.com](http://www.msdstoghs.com))

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Document Creation

**END OF SDS**