

## 1. IDENTIFICATION

**Product Identifier:**

# CHI Powder / Granule

**Recommended Use:**

Soil amendment

**Restrictions to Use:**

Industrial use only

**Canadian Supplier Identifier**

Canadian Humalite International Inc.

**Emergency Telephone #:**

5719-97 St Edmonton, Alberta, Canada T6E 3H9  
780-488-4810

## 2. HAZARD IDENTIFICATION

**Hazard Classification:**

Acute toxicity: oral, dermal, inhalation (Category 4) – may be harmful if swallowed  
Skin irritation (Category 3) – causes mild skin irritation  
Eye irritation (Category 2A) – causes eye irritation  
Specific target organ toxicity: respiratory tract irritation (Category 3) – (dust) may cause respiratory irritation

**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, on 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

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Name:**

Lignite

**Common Name and Synonyms:**

Humalite, oxidized/weathered sub-bituminous coal

**Chemical Abstract Service Registry Number:**

129521-66-0

**Chemical Name of Impurities**

N/A

## 4. FIRST-AID MEASURES

**If Swallowed:**

Rinse mouth

**If on Skin or Hair:**

Rinse skin with water/shower

**If Inhaled (Dust):**

Remove person to fresh air and keep comfortable for breathing

**If in Eyes:**

Rinse cautiously with water for several minutes

**If on Clothing:**

Take off contaminated clothing and wash it before reuse

## 5. FIRE-FIGHTING MEASURES

**Flammability:**

Not considered fire hazard

**Means of Extinction:**

Use media appropriate to surround fire

**Special Procedures:**

Use protective clothing and breathing equipment

## 6. ACCIDENTAL RELEASE MEASURES

**Cleaning**

Sweep and contain, notify appropriate authorities when release to environment occurs

**Containment**

Storage containers

## 7. HANDLING AND STORAGE

**Handling**

Ordinary dry material transfer and storage equipment (buckets, etc)

# SAFETY DATA SHEET

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Personal Protective Equipment:** **Respiratory Protection** – an approved NIOSH/MSHA respirator with a dust filter, approved for silica bearing dust  
**Protective Gloves** - wear loose fitting gloves  
**Eye protection** - goggles required when working with bulk material

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Dry  
**Odor:** Odorless  
**Odor Threshold:** N/A  
**Vapor Pressure:** N/A  
**Vapor 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 and temperature and its exposure to environment

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under ambient conditions  
**Incompatibility with other Substances:** 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:** 1,000 mJ  
**Susceptibility to Spontaneous Combustion:** N/A

## 11. TOXICOLOGICAL INFORMATION

**Lethal Dose:** N/A  
**Lethal Concentration:** N/A  
**Route of Exposure:** Ingestion, skin contact, eye contact, inhalation  
**Effects of Repeated (Chronic) Overexposure:** Prolonged and/or 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 Health Hazard Evaluation:** Dust has been related to silicosis, ACGIH recommends ≤ 2 mg/m<sup>3</sup> respirable dust (TWA limit)

## 12. ECOLOGICAL INFORMATION

**Ecological Concerns:** N/A

## 13. DISPOSAL CONSIDERATION

**Disposal** In accordance to applicable environmental regulations, landfills

## 14. TRANSPORT INFORMATION

**Department of Transportation:** Not considered hazardous material

## 15. REGULATORY INFORMATION

**Registrations:** United States Department of Agriculture – National Organic Program  
Canadian Food Inspection Agency (Exempt)  
California Department of Food and Agriculture  
Other states in United States

## 16. OTHER INFORMATION

**Latest Revision** November 06, 2015