

1. IDENTIFICATION

Product Identifier:

CHI Powder / Granule

Recommended Use:

Soil amendment

Restrictions to Use:

Industrial use only

Canadian Supplier Identifier

Canadian Humalite International Inc.

5719-97 St Edmonton, Alberta, Canada T6E 3H9

Emergency Telephone #:

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/m³
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/m³ at 3% moisture, 500 g/m³ @ 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/m³ 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