



# Material Safety Data Sheet

## Charge Powder

MSDS Revision Date: July, 2024

### 1. Identification

#### 1.1. Product identifier

**Product Identity** Charge Powder  
**Alternate Names** Raw Powder

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended use** See Technical Data Sheet.  
**Application Method** See Technical Data Sheet. **1.3.**

#### Details of the supplier of the safety data sheet

**Company Name** Soil Synergy  
5062 AB-549, De Winton,  
Alberta, Canada  
TOL 0X0

**Emergency INFOTRAC (Canada + USA)** 1-800-535-5053  
**INFOTRAC (International)** 1-352-323-3500  
**Customer Service: Soil Synergy** +1 866-444-7174

### 2. Hazard(s) identification

#### 2.1. Classification of the substance or mixture

No applicable GHS categories.

#### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

No applicable GHS categories.

**[Prevention]:**

No GHS prevention statements

**[Response]:**

No GHS response statements

**[Storage]:**

No GHS storage statements

**[Disposal]:**

No GHS disposal statements

### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations    | Weight % | GHS Classification | Notes |
|-------------------------------------|----------|--------------------|-------|
| Humalite<br>CAS Number: 129521-66-0 | 100      | Not Classified     | [1]   |

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

### 4. First aid measures

#### 4.1. Description of first aid measures

|                   |  |
|-------------------|--|
| <b>General</b>    | In all cases of doubt, or when symptoms persist, seek medical attention.<br>Never give anything by mouth to an unconscious person.   |
| <b>Inhalation</b> | Inhalation of dust alone is unlikely to result in an emergency situation. If necessary, use adequate respiratory protection and remove victim to fresh air. Get prompt medical attention if breathing difficulty is evident. |
| <b>Eyes</b>       | Flush eyes with large amounts of water to remove residual dust particles. Get medical attention if irritation persists.  |
| <b>Skin</b>       | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.<br>If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.                          |

#### Ingestion

#### 4.2. Most important symptoms and effects, both acute and delayed

|                 |   |
|-----------------|---|
| <b>Overview</b> | Effects of Acute Exposure to Product: Airborne respirable dust may cause irritation to the nose, throat and lungs. Dust particles may mechanically irritate the eyes and impair vision.<br>Effects of Chronic Exposure to Product: Prolonged and/or repeated exposure via inhalation may result in progressive and permanent lung disorders and damage. Dust has been related to silicosis.<br><br>Irritacy of Product: Dust causes irritation as noted above. Skin contact and ingestion are not considered hazardous.<br>Sensitization to Products: Negligible.<br><br>Carcinogenicity: Not considered a human carcinogen.<br><br>Teratogenicity: Not established.<br><br>Reproductive Toxicity: Not established<br><br>Mutagenicity: Not established.<br><br>Synergistic Products: None established.<br><br>Crystalline Silica: < 0.6%<br>See section 2 for further details. |
|-----------------|---|

## 5. Fire-fighting measures

### 5.1. Extinguishing media

Any media suitable for the surrounding fire.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

### 5.3. Advice for fire-fighters

Use protective clothing and breathing equipment appropriate for the surrounding fire.

**ERG Guide No.** ----

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. Methods and material for containment and cleaning up

Leak and Spill Procedure: Take steps to control product discharge to the environment. Notify appropriate authorities immediately and arrange for recovery of spilled material.

Waste Disposal: Ensure waste material is disposed of in accordance with applicable environmental regulations, including local requirements.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Minimize generation of dust during handling. Provide adequate ventilation. Be aware of dust explosion hazard.

See section 2 for further details. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: No data available.

Store in dry place. Keep product containers closed or covered where possible.

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

No data available.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

**Exposure**

**CAS No.**

129521-66-0

|  | Ingredient | Source   | Value                |
|--|------------|----------|----------------------|
|  | Humalite   | OSHA     | No Established Limit |
|  |            | ACGIH    | No Established Limit |
|  |            | NIOSH    | No Established Limit |
|  |            | Supplier | No Established Limit |

The exposure limits for nuisance dust are: OSHA PEL: 15 mg/m<sup>3</sup> (50 mppcf\*) TWA, ACGIH 10 mg/m<sup>3</sup>.

### Carcinogen Data

| CAS No.     | Ingredient | Source | Value  |
|-------------|------------|--------|--|
| 129521-66-0 | Humalite   | OSHA   | Select Carcinogen: No  |
|             |            | NTP    | Known: No; Suspected: No   |
|             |            | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

## 8.2. Exposure controls

### Respiratory

An approved (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.

### Eyes

Goggles recommended.

### Skin

Wear overalls to keep skin contact to a minimum.

### Engineering Controls

Local exhaust ventilation and confinement of handling systems may be required to control exposure to dust.

Disposable units are normally satisfactory for short-term or intermittent exposure. The use of additional personal protective equipment varies with severity of conditions. Safety goggles, coveralls and protective footwear are recommended when handling bulk quantities of the product.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or

### Other Work Practices

using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## 9. Physical and chemical properties

|  |   |
|--|---|
| <b>Appearance</b>                                      | Dark brown / black Solid  |
| <b>Odor</b>  | Odorless  |
| <b>Odor threshold</b>                                  | Not Measured  |
| <b>pH</b>  | 4.0   |
| <b>Melting point / freezing point</b>                  | Not Measured  |
| <b>Initial boiling point and boiling range</b>         | Does not form liquid  |
| <b>Flash Point</b>                                     | Not Measured  |
| <b>Evaporation rate (Ether = 1)</b>                    | Not Measured  |
| <b>Flammability (solid, gas)</b>                       | Not Applicable  |
| <b>Upper/lower flammability or explosive limits</b>    | <b>Lower Explosive Limit:</b> Not Measured<br><b>Upper Explosive Limit:</b> Not Measured  |
| <b>Vapor pressure (Pa)</b>                             | Negligible  |
| <b>Vapor Density</b>                                   | Not Measured  |
| <b>Specific Gravity</b>                                | Not Measured  |
| <b>Solubility in Water</b>                             | Not Measured  |
| <b>Partition coefficient n-octanol/water (Log Kow)</b> | Not Measured  |
| <b>Auto-ignition temperature</b>                       | Not Measured  |
| <b>Decomposition temperature</b>                       | Not Measured  |
| <b>Viscosity (cSt)</b>                                 | Not Measured  |
| <b>Bulk Density</b>                                    | 740 kg/m <sup>3</sup>   |
| <b>Coefficient of Oil/Water Distribution</b>           | Not available - product may contain up to 35% moisture  |
| <b>% Volatile</b>                                      | (no-water): 0%  |
| <b>Moisture Variation</b>                              | The product may lose (or gain) moisture over time, dependent on humidity and temperature conditions and on exposure of product surfaces to the environment. |

No other relevant information.

## 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

No data available.

### 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

No hazardous decomposition data available.

## 9.2. Other information

# 11. Toxicological information

### Acute toxicity

| Ingredient               | Oral LD50, mg/kg  | Skin LD50, mg/kg  | Inhalation Vapor LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|--------------------------|-------------------|-------------------|---------------------------------|-------------------------------------|--------------------------|
| Humalite - (129521-66-0) | No data available | No data available | No data available               | No data available                   | No data available        |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification                | Category | Hazard     | Description    |
|-------------------------------|----------|------------|----------------|
| Acute toxicity (oral)         | ---      | Not        | Applicable Not |
| Acute toxicity (dermal)       | ---      | Applicable | Not            |
| Acute toxicity (inhalation)   | ---      | Applicable | Not            |
| Skin corrosion/irritation     | ---      | Applicable | Not            |
| Serious eye damage/irritation | ---      | Applicable | Not            |
| Respiratory sensitization     | ---      | Applicable |                |
| Germ cell mutagenicity        | ---      | Not        | Applicable     |
| Carcinogenicity               | ---      | Not        | Applicable     |
| Reproductive toxicity         | ---      | Not        | Applicable     |
| STOT-single exposure          | ---      | Not        | Applicable     |
| STOT-repeated exposure        | ---      | Not        | Applicable     |
| Aspiration hazard             | ---      | Not        | Applicable     |

# 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

#### Aquatic Ecotoxicity

| Ingredient               | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|--------------------------|-----------------------|----------------------------|-------------------|
| Humalite - (129521-66-0) | ---                   | Not Applicable             | Not Available     |

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## 14. Transport information

|   | <b>DOT (Domestic Surface Transportation)</b> | <b>IMO / IMDG (Ocean Transportation)</b>                        | <b>ICAO/IATA</b>                 |
|---|--|---|----------------------------------|
| <b>14.2. UN proper shipping name</b>      |  |   |                                  |
| <b>14.3. Transport hazard class(es)</b>   | <b>DOT Hazard Class:</b> Not Applicable      | <b>IMDG:</b> Not Applicable<br><b>Sub Class:</b> Not Applicable | <b>Air Class:</b> Not Applicable |
| <b>14.4. Packing group</b>                | Not Applicable                               | Not Applicable  | Not Applicable                   |
| <b>14.5. Environmental hazards</b>        |  |   |                                  |
| <b>IMDG</b>                               | Marine Pollutant: No                         |   |                                  |
| <b>14.6. Special precautions for user</b> | No further information                       |   |                                  |

## 15. Regulatory information

|  |   |               |               |
|--|---|---------------|---------------|
| <b>Regulatory Overview</b>                 | The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. |               |               |
| <b>Toxic Substance Control Act ( TSCA)</b> | All components of this material are either listed or exempt from listing on the TSCA Inventory.                   |               |               |
| <b>14.1. UN number</b>                     | Not Applicable  | Not Regulated | Not Regulated |
| <b>WHMIS Classification</b>                | Not Regulated   | Not Regulated | Not Regulated |
| <b>US EPA Tier II Hazards</b>              |   |               |               |
|  | <b>Fire:</b> No   |               |               |
|  | <b>Sudden Release of Pressure:</b> No   |               |               |
|  | <b>Reactive:</b> No   |               |               |
|  | <b>Immediate (Acute):</b> No  |               |               |
|  | <b>Delayed (Chronic):</b> No  |               |               |

**EPCRA 311/312 Chemicals and RQs:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 302 Extremely Hazardous:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**New Jersey RTK Substances (>1%) :**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Pennsylvania RTK Substances (>1%) :**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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The full text of the phrases appearing in section 3 is: **This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.**

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