Safety Data Sheet

Section 1: Identification

- **Product Identity:** Leonardite, Lignite, Source Natural, Source Crushed, Source Coarse, Source 11, Source Fines
- **Leonardite Products, LLC** (Plant address) 13375 Highway 1804, Williston, ND 58801
- **Emergency Phone:** 701-572-7659  Information Phone: 701-572-7659
- **Recommended Use:** Soil amendment, fertilizer additive, soil and water remediation, oil industry fluid additive, foundry green sand additive.

Section 2: Hazard(s) Identification

- **Do Not Inhale** — Product contains silica, may cause lung disease.
- **Long Term Exposure** — The effects of long-term low-level exposures to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive exposures.

Section 3: Composition/Information on Ingredients

- **Product Identity:** Leonardite, Lignite, Source Natural, Source Crushed, Source Coarse, Source 11, Source Fines
- **Leonardite Products, LLC** (Plant address) 13375 Highway 1804, Williston, ND 58801
- **Emergency Phone:** 701-572-7659  Information Phone: 701-572-7659
- **Uses:** Soil amendment, fertilizer additive, soil and water remediation, oil industry fluid additive, foundry green sand additive.

Section 4: First Aid Measures

- **Inhalation:** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
- **Eye or Skin Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids open during flushing. Call a physician. Wipe or brush off as much material as possible from skin, then follow up with water. Sponge or rinse off remainder using water. Get medical attention if skin irritation occurs.
- **Ingestion:** If conscious, drink large quantities of water. Do not induce vomiting. Take immediately to a hospital or physician. If vomiting occurs, administer additional water. If unconscious or in convulsions, take immediately to a hospital. Do not attempt to induce vomiting or give anything by mouth to an unconscious person.
- **Notes to Physician Including Antidotes:** Treat symptomatically.
- **Contains Silica:** Silica may cause lung disease

Section 5: Fire Fighting Measures

- **Product Is Not Flammable** — However firefighters should wear self-contained positive pressure breathing apparatus and avoid skin contact.

Section 6: Accidental Release Measures

- **Waste Deposit Method:** Recovered solids or liquids may be sent to a licensed reclamer or disposed of in a permitted waste management facility.
Section 7: Handling and Storage

- Any person entering either a significant spill area or an unknown concentration of dust should use a NIOSH-approved respirator.

Section 8: Exposure Controls/Personal Protection

- **Protective Clothing or Equipment**: Skin contact with dust should be minimized through use of gloves and suitable long-sleeved clothing selected with regard for use condition exposure potential.
- **Work/Hygienic Practices**: Wash hands prior to eating, drinking or using rest rooms.

Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance and odor</td>
<td>Brown or black dust or powder, smells musty.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Dispersible (Water) pH: 3.2-3.7</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.4</td>
</tr>
<tr>
<td>Bulk Density</td>
<td></td>
</tr>
<tr>
<td>Source Fines</td>
<td>35.5 pounds/cubic foot</td>
</tr>
<tr>
<td>Source 11</td>
<td>49.5 pounds/cubic foot</td>
</tr>
<tr>
<td>Source Coarse</td>
<td>45.0 pounds/cubic foot</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>NA</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>NA</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>NA</td>
</tr>
<tr>
<td>Calorific Value: BTU/lb</td>
<td></td>
</tr>
<tr>
<td>Source Coarse</td>
<td>5006</td>
</tr>
<tr>
<td>Source 11</td>
<td>5315</td>
</tr>
<tr>
<td>Source Fines</td>
<td>6687</td>
</tr>
</tbody>
</table>

Section 10: Stability and Reactivity

- **Stability**: Stable.
- **Conditions to avoid**: Extreme heat, flame or sparks.
- **Incompatibility**: None known.
- **Polymerization**: Will not occur.
- **Hazardous Decomposition**: None known.

Section 11: Toxicological Information

- Contact Leonardite Products for comprehensive list. No danger present.

Section 12: Ecological Information

- Provides organic matter to soil, acts as a chelator, provides water retention in soil, reduces the pH of soil.

Section 13: Disposal Considerations

- Disposal of product must meet all federal and state regulations upon disposal.
- Check local landfills for rules and regulations.
Section 14: Transport Information

- Not regulated as Hazardous Material.
  - IATA: Not Hazardous Goods.
  - BNSF STCC Code: 2991955
  - Harmonized Code: 270210
  - Trucking Class: 60

Section 15: Regulatory Information

- Domestic Information
  - OSHA Hazards: Irritant.
  - SARA 302 Components: No chemicals in this material are subject to the reporting.
  - Requirements of SARA Title III, Section 302.
  - SARA 313 Components: This material does not contain any chemical components.
  - With known CAS numbers that exceed the threshold (De Minimis) reporting levels.
  - Established by SARA Title III, Section 313.
  - SARA 311/312 Hazards: Acute health hazard.
  - Massachusetts Right To Know Components: None.
  - Pennsylvania Right To Know Components: Humic Acid, CAS #: NA
  - New Jersey Right To Know Components: Humic Acid, CAS #: NA
  - California Prop. 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.
  - US Federal: CAS #: N/A - Not listed on the TSCA Inventory.

- European Information
  - European Labeling in Accordance with EC Directives: Hazard Symbols: XI
  - Risk Phrases
    - R 36/37/38 Irritating to eyes, respiratory system and skin.

- Safety Phrases
  - S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  - S 37/39 Wear suitable gloves and eye/face protection.
  - WGK (Water/Danger Protection)
    - CAS #: N/A

- Canadian Information
  - CAS #: N/A - Not listed on Canada’s DSL List or Ingredient Disclosure List.
  - Canadian WHMIS Classifications: Not available.
  - This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

Section 16: Other Information

- The above information should be used as a guideline. The information provided is true to the best of the companies’ ability and should not be used as an all-inclusive list of safety standards. Contact Leonardite Products if more information is requested.