

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

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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 reclaimer 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

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

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.**

- **DOT (USA):** Not Hazardous Material.
- **IMDG:** Not 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.