

Safety Data Sheet

Section 1: Identification

- **Product Identity:** Source X®, Source X® Fines, Source X XD, LenOX®
- Leonardite ,Lignite (Oxidized)
- **Leonardite Products, LLC** (Plant address) 13375 Highway 1804, Williston, ND 58801 (Mailing address) PO Box 548, Williston, ND 58802
- **Emergency Phone:** 701-572-7659
- **Emergency Phone (After Hours):** 701-770-5569
- **Information Phone:** 701-572-7659
- **Recommended Use:** Soil amendment, fertilizer additive, soil and water remediation,

Section 2: Hazard(s) Identification

Classification of the Substance/Mixture:

Harmonized Code: 2702.10.0000 (Lignite)

CAS No:129521-66-0 and EC No: 603-338-2 Hazardous components: none

GHS Label Elements: Non – regulated material

REACH Annex V

Section 3: Composition/Information on Ingredients

Chemical identity: None

Common name:

Leonardite, humate, oxidized lignite, humus, humic acid

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. Get medical attention.

Eye or Skin Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids open during flushing. 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: Safe to Ingest in small quantities

Notes to Physician Including Antidotes: Treat symptomatically

Section 5: Fire Fighting Measures

Product Is Not Flammable —

Do not expose to open flame, extreme direct heat or sparks - material may smolder

Special fire instructions:

Contain area

Do not spray water directly on material on fire

Use a fine mist or mix water into the area on fire

Do not use fire extinguisher directly on material

Firefighters should wear protective clothing and avoid skin contact.

No special hazards

Section 6: Accidental Release Measures

Personal Precautions: None

Environmental Precautions: None

Method for containment or Cleanup:

Sweep up with a broom and dispose of in any normal solid waste receptacle.

If material is not contaminated, can be spread and tilled on soil.

Material is non-hazardous

Section 7: Handling and Storage

Precautions for safe handling:

Any person entering either a significant spill area or an unknown concentration of dust should wear a dust mask and safety glasses

Storage cautions:

Store in dry area to avoid moisture damage

The bags used to store this material may weaken with prolonged exposure to heat and sun.

Control Parameters: NONE

Section 8: Exposure Controls/Personal Protection

Protective Clothing or Equipment: Skin contact should be minimized through use of gloves and suitable long-sleeved clothing selected with regard for use condition exposure potential.

Dust mask or particulate respirator may be necessary based on conditions in workplace.

Safety Glasses should be worn.

Work/Hygienic Practices: Wash hands prior to eating, drinking or using rest rooms.

Engineering controls: Local exhaust if in an enclosed area.

Control Parameters: The product does not contain any relevant quantities of hazardous materials .

Section 9: Physical and Chemical Properties

Appearance and odor: Brown or black dust or powder, smells musty.

Solubility: Material is hydrophobic – will not dissolve in water

pH: 3.2-4.0

Specific Gravity... 1.4

Bulk Density:

Source Fines 35.5 pounds/cubic foot = 16.10kg/ 28.316dm³

Source X®..... 51.1 pounds/cubic foot = 23.17kg/ 28.316dm³

LenOX®..... 51 pounds/cubic foot = 23.133kg/28.316dm³

Vapor pressure: NA

Vapor Density: NA

Boiling Point: NA

Freezing Point: NA

Calorific Value: 5006 – 6687 BTU/lb.

Section 10: Stability and Reactivity

Stability: Stable

Conditions to avoid: Extreme heat, flame or sparks

Incompatibility: Urea

Polymerization: Will not occur

Hazardous Decomposition: None

Section 11: Toxicological Information

- Non-Toxic
- Likely routes of exposure
- Inhalation,
- Ingestion
- Eye contact
- NO symptoms related to physical, chemical and toxicological characteristics
- NO delayed, immediate and chronic effects from short/long term characteristics
- No numerical measures of toxicity.

Section 12: Ecological Information

Provides organic matter to soil, acts as a chelator, provides water retention in soil, and reduces the pH of soil. No adverse effects, bio accumulative potential or persistence and degradability.

Section 13: Disposal Considerations

Disposal of product: may be disposed of with any normal solid waste, such as trash or landfill or other disposal site if contaminated. May be used as a soil amendment if not contaminated.

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.
- **Marine:** NO pollutant:

BNSF STCC Code: 2991955

Harmonized Code: 2702.10.0000

Trucking Class: 50

Section 15: Other 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.

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