

SAFETY DATA SHEET (SDS)

According to Regulation (EC) No 1907/2006 (REACH) & (EU) 2020/878

PAGET NAME:	NATURAL RAW LEONARDITE	CAS NO:	129521-66-0
USES:	Humic Acid Organic Amendment / Fertilizer Raw Material		

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product Identifier

NATURAL RAW LEONARDITE (Commercial name: Biorex Leonardite). HS Code: 3101.00.00

1.2 Relevant Identified Uses

Humic Acid Organic Amendment / Fertilizer Raw Material.

1.3 Details of the Supplier

BIOREX LLC

str. Svitlitzkogo 25, KIEV (Ukraine)

1.4 Emergency Telephone

Contact local national poison control center or emergency infrastructure services.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance

Not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP).

2.2 Label Elements

None. The product does not require special hazard labeling.

2.3 Other Hazards

Dust may cause mechanical eye or respiratory irritation upon prolonged exposure.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Natural highly oxidized fossil vegetable matter (Lignite variant), extremely rich in organic humified compounds.

4. FIRST AID MEASURES

- Inhalation: Move to fresh air. If irritation persists, seek medical advice.
- Skin contact: Wash thoroughly with mild soap and water.
- Eye contact: Flush immediately with running water for several minutes holding eyelids open.
- Ingestion: Rinse mouth with plenty of water. Consult a doctor if feeling unwell.

5. FIREFIGHTING MEASURES

The product is non-flammable under normal ambient conditions. Use water spray, dry chemical, CO₂, or foam appropriate for surrounding fire. Wear standard protective gear and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Avoid formation of dust. Sweep or vacuum up spilled material into designated, labeled containers for disposal or recovery. Wash area with water. Prevent entering major open surface water channels.

7. HANDLING AND STORAGE

7.1 Handling: Provide adequate ventilation. Avoid contact with eyes. Avoid breathing dust.

7.2 Storage: Store in original polypropylene big bags in a cool, dry, well-ventilated location away from direct sunlight. Keep tightly sealed to preserve natural moisture balance (18.3%).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No specific occupational exposure limit available. Use general dust respirator (e.g., P2/N95) if dusting occurs. Wear standard industrial protective gloves and safety glasses with side shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Dark brown to black granules / powder
- pH (1:10 water soln): 4.5
- Moisture Content: 18.3 % w/w
- Total Organic Matter (Dry Basis): 97.0 %

10. STABILITY AND REACTIVITY

Stable under recommended storage conditions. Avoid contact with strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Non-toxic material. Heavy metal profiling indicates exceptionally clean matrices well beneath legal ecological margins (Lead 3.60 mg/kg, Cadmium <0.2 mg/kg, Mercury 0.21 mg/kg).

12. ECOLOGICAL INFORMATION

Natural, biodegradable organic amendment. Beneficial to soil microbiome and structure. Ecotoxicity is absent.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local and national environmental regulations. Can be mixed into compost or soil where permitted.

14. TRANSPORT INFORMATION

Not classified as dangerous goods under ADR, RID, IMDG, or IATA regulations. No special transport precautions required.

15. REGULATORY INFORMATION

Compliant with Regulation (EC) No 1907/2006 (REACH). Evaluated under Italian Decree Dlgs 75/2010 (Annex 2 - Leonardite Soil Conditioner).

16. OTHER INFORMATION

The data is based on our current knowledge and lab testing (MAC Report 2667/126 dated 06/03/2026). It outlines safety attributes and does not constitute a technical warranty.