

SAFETY DATA SHEET

According to REACH Regulation (EC) No. 1907/2006

1. Product identifier and details of the supplier of the safety data sheet**1.1 Product identifier**

Substance Name: Leonardite
Product family: Organic fertilizer

1.2 Relevant identified uses of the substance or mixture Is used in agriculture, soil cultivation

1.3 Details of the Supplier

Supplier: “DVINT” LLC
Street: Chornovola str. 41d, office 13
Post code, City 01135, Kiev
Country, Area Ukraine
Tel/fax:
Tel.: (+38) 0672300532
E-mail: 3303@ukr.net

1.4 Emergency telephone: +38 (044) 518-57-08 Ukrainian scientific emergency center for medical care and emergency medicine

2. Hazard identification

Hazard pictograms – Non hazardous

Defining characteristics of the product: Fertilizer

Signal word: Warning

2.1 Classifications of the substance or mixture

Eye irrit. 2B; H320 Causes eye irritation, category 2B

Acute Tox 5; H333 May be harmful if inhaled, category 5

2.2 Label elements

H320 Causes eye irritation

H333 May be harmful if inhaled

2.3 Prevention

Do not breathe dust. In case of inadequate ventilation wear protective means of respiratory organs. Avoid prolonged contact with eyes, skin. Recommended observe good personal hygiene, after work wash hands and face with soap and water . Keep out from children

Response to possible exposure Consult a physician if you feel unwell

Disposal Dispose of contents and container in accordance with regional, national and international regulations

2.4 Other hazards No other hazards

3. Composition/Information on ingredients

Formula: None

Component	CAS №/EC №	REACH registration №	CLP classification	Percentage %
Organic compound	-	-	-	70-90
Cinder	-	--	-	10-20

There are no additional ingredients present which within the current knowledge of the supplier and in the concentrations applicable could be classified as hazardous to health or the environment and hence require reporting in this section.

4. First Aid Measures

4.1. Description of the first aid measures

General advice:	In case irritation or health complaints consult a doctor and provide the information of this MSDS
Following eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
Following skin contact:	Instantly wash with water and soap and rinse thoroughly. If symptoms persist, consult doctor.
Following inhalation:	Provide fresh air. If symptoms persist, consult doctor..
Following ingestion:	Rinse out mouth and then drink plenty of water. In case of persistent symptoms consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact:	May cause eye irritation.
Skin contact:	May cause skin irritation.
Inhalation:	May cause irritation of the respiratory system.
Delayed effect	Not applicable
Ingestion:	Not applicable

4.3 Indication of any immediate medical attention and special treatment needed

No significant effects or critical hazards are known.

Notes to physician:	Treat symptomatically.
Specific treatments:	No specific treatment.

5. Firefighting measures

5.1. Extinguishing media

Recommended: Carbon dioxide, water, dry powder, foam. Do not use water jet

Environmental precautions Not applicable

5.2. Unsuitable extinguishing media: Not known.

5.3. Advice for fire fighters: The product is not flammable. Combustion residues and contaminated fire water are to be disposed according to local regulations. Avoid skin contact by wearing protective clothing and keeping a safety distance, wear self-breathing apparatus

5.4 Additional information: No data available

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Protective clothes, gloves and safety glasses to avoid skin and eye contact. Do not breathe dust

6.2 Environmental precautions: Not applicable

6.3 Methods and material for containment and cleaning up: It is necessary to stop the spillage of material, and then collected and placed in suitable containers for reuse or recycling

6.4 Reference to other sections: See Section 1 for Product identifier and details of the supplier of the safety data sheet.
See Section 8 for information on personal protection equipment.

7. Handling and storage

7.1 Precautions for safe handling:**Protective measures:**

Before use carefully read the product label. Do not breathe dust. Avoid contact with skin, eyes. Observe good personal hygiene.

Measures to prevent fire:

No special measures required

7.2 Conditions for safe storage, including any incompatibilities:

Store in piles, bins, closed or other storage premises in packing of the manufacturer that protects against contamination and moisture

7.3 Specific end use

No other additional rules for the application is not installed

8. Exposure controls/personal protection**Control parameters**

Control parameters is not defined because TLV is not found

Parameters to be monitored**Eye Protection:**

None

Safety glasses

Hand Protection:

Safety gloves

Respiratory Protection:

Wear self-breathing apparatus if no ventilated store. Do not breathe dust

No specific measures

Thermal hazards:**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance:

Dark powder

Odor (odor threshold):

No data available

Freezing point:

No data available

Initial boiling point:

No data available

Flash point:

No data available

Evaporation rate:

No data available

Flammability:

Not applicable. Substance is not flammable

Upper/lower flammability or explosive limits:

Not applicable. Substance is not flammable

Auto-ignition temperature:

No data available

Decomposition temperature:

No data available

Explosion Data:

Not explosive

Solubility:

No soluble

Density:

No data available

Viscosity:

No data available

Vapor pressure:

No data available

Vapor density:

No data available

Refractive index:

No data available

pH:

5.2-6

Explosive properties:

Not explosive

Oxidizing potential:

Not an oxidizer

9.2 Other information

No additional information available

10. Stability and reactivity**10.1 Reactivity:**

The substance is stable.

10.2 Chemical stability:

Stable under the recommended storage conditions.

10.3 Possibility of hazardous reactions:

React with strong oxidizing agents

10.4 Conditions to avoid: Keep away from heat
10.6 Hazardous Decomposition Non applicable

11. Toxicological information

Ingredient	Oral LD ₅₀ mg/kg	Skin LD ₅₀ mg/kg	Inhalation LC ₅₀ mg/l 4 hr. LC ₅₀ ppm 4 hr.
Organic compound	No data available	No data available	No data available
Cinder	No data available	No data available	No data available

The information provided is based on product data, knowledge of components and toxicology of similar products.

The product can cause eye, skin or respiratory tract irritation at sensitive persons.

Skin corrosion/irritation: May cause skin irritation.
Respiratory irritation: May cause respiratory irritation
Ingestion Irritation: Data not available.
Eye damage/irritation: May cause eye irritation
Respiratory or skin sensitization Not expected to be skin sensitizer
Aspiration hazard Not considered an aspiration hazard
Germ cell mutagenicity: Data not available.
Carcinogenicity: Data not available
Reproductive toxicity: Data not available.
Specific target organ toxicity - single exposure: Prolonged contact may cause skin irritation. May cause respiratory tract irritation
Specific target organ toxicity - repeated exposure: Lungs
Possible ways of contact with the organism: Getting through the eyes, skin, mouth , inhalation.

12. Ecological information

Ecotoxicity Not applicable
Persistence and degradability Not available
Bioaccumulative potential: Not available
Mobility in soil: Not available
Other adverse effects: Not available
Other Information: Not available

13. Disposal considerations

Disposal instructions Collect and reclaim, or dispose in sealed containers at licensed waste disposal site. Waste must be disposed of in accordance with federal, state/provincial and local environmental control regulation.
Local disposal regulations Dispose in accordance with all applicable regulations. The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Hazardous waste code:
Contaminated packaging: Empty containers should be taken to an approved waste handling site for

recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

Transportation can be carried out in accordance with national legislation or ADR - for transport by road, RID - to transport by rail, IMDG - for transportation by sea, IATA - for transportation by air. Transportation is not regulated as dangerous goods. Appropriate shipping name Leonardite

UN number: Not installed Transportation is not regulated

Methodical UN transport labelling:

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: No dangerous good

Transport dangerous Goods classes: No data available

DOT Classification: Not regulated by US DOT

Packaging group: No data available

Environmental perils: ADR/RID / IMDG-Code/ICAO-TI/IATA-DGR: no

Special notes for users: See sections 6-8

15. Regulatory information

Regulations for safety, sanitary and environmental protection/specific laws for the substance or the mixture:

EU Regulations:

EC No. 1907/2006 (REACH) Annex XIV- list of substances subject to authorization : None of the components are listed

Chapter XVII: Restriction on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable

Substance safety assessment: The substance has not been safety assessed.

16. Other information

Disclaimer

The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet/ In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.