



Safety Data Sheet (SDS)

Product: Linseed Oil

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1. Identification

Product identifier: Linseed Oil

Recommended use of the chemical: To provide more shine, improving adhesion and facilitating the application of the Oil Colors.

Identification Code: 15610 / 15650

Supplier's name: Acrilex Tintas Especiais S.A.

Address: Estrada Galvão Bueno, Nº 5000 - Batistini

Complement: São Bernardo do Campo - São Paulo

Supplier's phone number: (11) 4397-9255

Emergency phone number: (11) 4397-9258

2. Hazard identification

Classification of the substance or mixture: Chemical not classified as hazardous according to GHS

Precautionary recommendations: This product is not recommended for children under 3 years.

Other information: Product not suitable for use on skin

3. Composition/Information on ingredients

Product Type: Substance

Common chemical name or technical name: Linseed Oil

Synonym: Linum Usitatissimum (Linseed) Seed oil

CAS N°: 8001-26-1

This substance does not contain impurities that contribute to its hazard.

4. First-aid measures

First-aid measures

- **Inhalation:** Remove the victim to fresh air and keep at rest in a comfortable position for breathing. Seek for medical assistance.
- **Skin contact:** Remove contaminated clothing, wash with water and soap. Seek for medical assistance.
- **Eye contact:** Wash with plenty water for 15 minutes, keep the eyelids open. Seek for medical assistance.
- **Ingestion:** Do NOT induce vomiting. Seek for medical assistance.

Most important symptoms/effects, acute and delayed: Product not classified as hazardous for human health.

Indication of immediate medical attention and special treatment: Symptomatic treatment.

5. Fire-fighting measures



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Suitable extinguishing media: Foam extinguishers, dry chemical powder, CO₂ (carbon dioxide), water nebulization. Cool off the burning packages and take packages which were not affected away from the flames.

Unsuitable extinguishing media: Direct water jet.

Specific hazards arising from the chemical: Avoid contact with flames or heat sources

Special protective actions for fire-fighters: During combat wear full protective clothing for fire and SCBA

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- **For non-emergency personnel:** Personal protective equipment.
- **For emergency responders:** Personal protective equipment.

Environmental precautions: Shut off leak if possible, do not direct the spilled material to any public drainage systems. Avoid the possibility of contamination of surface water or springs. Restrict spill to the smallest area possible. The drag water must take into account the further treatment of contaminated water. Avoid making this drag

Methods and materials for containment: Absorb with soil or other absorbent material.

Area isolation: Keep unauthorized persons away from the area

Methods and materials for cleaning up: Recovery: Collect the product in an emergency container, duly labeled and well closed. Keep the recovered product for subsequent disposal. Disposition: Do not dispose in the trash. Do not dispose in the sewage system or watercourses. Confine if possible, for later recovery or disposal. The final disposal of this material should be accompanied by an expert and in accordance with environmental regulations

7. Handling and storage

Precautions for safe handling

- **Prevention of workers exposure:** Use personal protective equipment to avoid contact with the product
- **Fire and explosion:** Provide local exhaust ventilation where processes so require. All conductive parts of the system in contact with the product must be electrically grounded. Use anti-sparking tools
- **Precautions for safe handling:** Use personal protective equipment indicated. Manipulating respecting the general safety and industrial hygiene
- **Hygiene measures**
 - **Suitable:** Clean clothes and shoes after use. General control methods used in industrial hygiene should minimize product exposure. Do not eat, drink or smoke when handling chemicals. Separate working clothes from ordinary clothes
 - **Unsuitable:** Do not eat, drink or smoke during the product handling.

Conditions for safe storage

- **Conditions for safe storage:** Store the product in cool, dry and ventilated areas away from heat, ignition sources, food and oxidizing agents. Keep packages always closed.



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- **Conditions to avoid including incompatibilities:** Avoid wet areas, outdoor, and without ventilation. Do not store the product with explosive materials, flammable gases and/or toxic, oxidizing substances, corrosive, organic peroxides, spontaneous combustion materials and radioactive Conditions to avoid, including materials.
- **Packaging materials**
 - **Suitable:** Carbon steel drums and / or plastic packaging
 - **Unsuitable:** Not Available.

Other information: Not Available.

8. Exposure controls/personal protection

Control parameters

- **Occupational exposure limits:** Not Available.
- **Biological indicators values:** Not Available.
- **Other limits and values:** Not Available.

Appropriate engineering controls: Maintain adequate ventilation. Keep emergency shower and eyewash close to workplaces. The storage location must have impermeable floor , free from combustible materials and containment dike to hold the product in case of leakage.

Individual protection measures, such as personal protective equipment

- **Eye/face protection:** Safety glasses for chemical products.
- **Skin protection:** Gloves, PVC apron and closed shoes according to working conditions.
- **Respiratory protection:** At low concentrations, wear respirator with chemical filter for organic vapors. At high concentrations, use breathing apparatus or set of air sent
- **Hands protection:** PVC gloves or others resistant to organic solvents.
- **Thermal hazards:** Not available.

Other information: Clean clothes and shoes after use. General control methods used in industrial hygiene should minimize product exposure. Do not eat, drink or smoke when handling chemicals. Separate working clothes from ordinary clothes

9. Physical and chemical properties

- **Appearance**
 - **Physical state:** Liquid.; **Form:** Liquid.; **Color:** yellowish
- **Odour:** Typical.
- **Odour threshold:** Not available.
- **pH:** Not Available.



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- **Melting point/freezing point:** Not available.
- **Initial boiling point:** Not available.
- **Boiling range:** Not available.
- **Flash point:** 122 °C Test: (closed cup)
- **Evaporation rate:** Not available.
- **Flammability (solid, gas):** Not available.
- **Lower flammability or explosive limits:** Not available.
- **Upper flammability or explosive limits:** Not available.
- **Vapour pressure:** Not available.
- **Vapour density:** Not available.
- **Relative density:** 0,930 - 0,940 g/cm³
- **Solubility(ies):** insoluble in water
- **Partition coefficient: n-octanol/water:** Not available.
- **Auto-ignition temperature:** Not available.
- **Decomposition temperature:** Not available.
- **Viscosity:** Not available,
- **Additional information:** Not available.

10. Stability and reactivity

Chemical stability: Stable in normal conditions of storage and handling.

Reactivity: Not available.

Possibility of hazardous reactions: None, when the product is stored, handled and processed correctly.

Conditions to avoid: Exposure to high temperatures for prolonged periods may cause changes in the product.

Incompatible materials: Strong oxidizing agents (liquid chlorine and concentrated oxygen)

Hazardous decomposition products: Can release toxic gases during firing.

11. Toxicological information

Acute toxicity: The product is not classified for this hazard according to GHS.

Skin corrosion/irritation: The product is not classified for this hazard according to GHS.

Serious eye damage/irritation: The product is not classified for this hazard according to GHS.

Respiratory or skin sensitization: The product is not classified for this hazard according to GHS.

Germ cell mutagenicity: The product is not classified for this hazard according to GHS.

Carcinogenicity: The product is not classified for this hazard according to GHS.

Reproductive toxicity: The product is not classified for this hazard according to GHS.

STOT-single exposure: The product is not classified for this hazard according to GHS.

STOT-repeated exposure: The product is not classified for this hazard according to GHS.

Aspiration hazard: The product is not classified for this hazard according to GHS.

Additional information: Not available.



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12. Ecological information

Toxicity: The product is not classified for this hazard according to GHS.

Persistence and degradability: Biodegradable Product

Bio accumulative potential: Not available.

Mobility in soil: Not available

Other adverse effects: Its presence in the water can cause undesirable qualities

13. Disposal considerations

Disposal methods

- **Product:** Remaining products must be discarded in authorized installation.
 - **Used package:** Discard in authorized installation. Do not reuse the package.
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14. Transport information

National and international regulations:

Land Transport:

Technical name: Linseed Oil

Additional information: The characteristics of the product does not meet the official criteria of dangerous goods for purposes of transportation.

15. Regulatory information

Safety, health and environmental regulations specific for the product:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

16. Other information

Other information that does not belong in other sections:

This Safety Data Sheet (SDS) has been prepared based on current knowledge about chemicals and provides information about protection, safety, health and environment. It is warned that any chemical handling requires prior knowledge of its hazards by the user. The user company is responsible to promote the training of its employees about the potential product risks.

References: [ECHA] EUROPEAN CHEMICAL AGENCY. Available in: <http://echa.europa.eu/>
[HSNO] NEW ZEALAND HSNO Chemical Classification and Information Database (CCID)



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[OSHA] OSHA'S Hazard Communication. Available in: <https://www.osha.gov/dsg/hazcom/>

[GHS] Globally Harmonized System of Classification and Labelling of Chemicals

Subtitles and abbreviations: ACGIH - American Conference of Governmental Industrial

BCF - Bioconcentration factor

CAS - Chemical Abstracts Service