

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Flax (Linseed) Oil
Identified Uses	Animal Feed
Details of the supplier of the safety data sheet	
Supplier	Pestell Nutrition
Address	141 Hamilton Rd New Hamburg, Ontario Canada, N3A 2H1
Phone	519-662-2877
Email	qa@pestell.com
Emergency telephone number (24 hr)	Canada: CANUTEC 1 613-996-6666 US: CHEMTREC 1 703-527-3887

2. HAZARDS IDENTIFICATION

Classification (GHS)	Not Classified
GHS Labelling	No Labelling applicable
Percentage	Not applicable
Hazard Statement	This product is not known into any health or physical hazard defined by 29CFR 1910 to the Globally Harmonized System (GHS) . However, vegetable oil is known as Air contaminant provided in section 8.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name: Raw Linseed Oil
 Chemical Family: Oil

Ingredients	Percentage	CAS. NO.	Classification
Linseed Oil	100 %	8001-26-1	Not Classified

4. FIRST AID MEASURES

Description of First Aid Measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persists.
Skin Contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye Contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.

Most Important Symptoms and Effects Both Acute and Delayed

General	Ensure that medical personnel are aware of the material(s) involved, and take precautions.
Inhalation	Prolonged contact with large amounts of dust may cause mechanical irritation.
Skin Contact	Skin contact with large amounts of dust may cause mechanical irritation.
Eye Contact	Contact may cause irritation due to mechanical abrasion.
Ingestion	Direct contact with eyes may cause temporary irritation.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media	Water fog, Foam, Dry chemical powder, Carbon dioxide (CO ₂).
Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
Fire Hazard:	No unusual fire or explosion hazards noted.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	When heated to decomposition, emits toxic fumes and toxic gases. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Keep unnecessary personnel away.
Protective Equipment	For personal protection, see section 8 of the SDS.
Environmental Precautions	Prevent entry to sewers and public waters. Avoid release to the environment.
Methods for Cleaning Up	Stop the flow of material, if this is without risk. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Observe good industrial hygiene practices.
Conditions for Safe Storage, Including Any Incompatibilities	Store in closed packaging, cool, dry and well ventilated place. Store away from incompatible materials (see section 10 of the SDS).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

As an airborne mist containing vegetable oil, exposure limits pertaining to "vegetable oil mist" have been provided below

Chemical Name	ACGIH TLV	OSHA PEL	MEXICO	NIOSH
Vegetable oil mist	TVL: 10 mg/m ³	TWA: 5 mg/m ³ mist Respirable fraction TWA :15 mg/m ³ mist total	TWA : 10 mg/m ³ Except irritant oils	TWA : 10 mg/m ³ total mist TWA: 5 mg/m ³ respirable mist

Appropriate Engineering Controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection If airborne dust generates, wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves.
Other Wear suitable protective clothing.

Respiratory protection In case of mist, spray or aerosol exposure wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/ Physical State	Clear Amber,Liquid
Vapour Pressure (mm Hg at 20°C)	Not available
Vapour Density (Air = 1.0)	Nonvolatile
Bulk Density	Not available
Solubility in Water	Negligible
Specific Gravity (gm/cc, Water = 1.0)	0.93@ 25 degree C
% Volatile by Volume	Non-volatile
Boiling Range (Deg. Celsius)	Not available
Melting Point	Not available
Coefficient of Water/Oil Distribution	Not available
pH	Not available

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions.
Reactivity:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No dangerous reaction known under conditions of normal use.
Conditions to Avoid Incompatible Materials	Contact with incompatible materials.
Hazardous Decomposition Products:	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not classified
LD50 and LC50 Data:	Not available
Skin Corrosion/Irritation:	No adverse effects due to inhalation are expected.
Serious Eye Damage/Irritation:	Direct contact with eyes may cause temporary irritation.
Respiratory or Skin Sensitization:	Not classified
Germ Cell Mutagenicity:	Not classified
Teratogenicity:	Not available
Carcinogenicity:	Not classified
Specific Target Organ Toxicity (Repeated Exposure):	Not classified
Reproductive Toxicity:	Not classified
Specific Target Organ Toxicity (Single Exposure):	Not classified
Aspiration Hazard:	Not classified

12. ECOLOGICAL INFORMATION

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	Readily Biodegradable
Bioaccumulative potential	No data available
Mobility in water	The product is insoluble and floats on water
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous wastecode	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
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Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
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

In Accordance with DOT	Not regulated for transport
In Accordance with IMDG	Not regulated for transport
In Accordance with IATA	Not regulated for transport
In Accordance with TDG	Not regulated for transport
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

15. REGULATORY INFORMATION

US federal regulations	All components are listed on or exempted from the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Material" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated
CERCLA Hazardous Substance List (40 CFR 302.4) Not listed
SARA 304 Emergency release notification Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

16. OTHER INFORMATION

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Pestell Nutrition and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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