

## 1. PRODUCT AND COMPANY IDENTIFICATION

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

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Product dust may be irritating to eyes, skin and respiratory system. Fine dust dispersed in air may ignite. The product may ignite if exposed to heat or open flame.

| <u>Appearance</u>                      | <u>Physical State</u>  | <u>Odor</u> |
|--|--|-------------|
| Light brown-Tan                        | Solid  | Cereal      |
| <b><u>Potential Health Effects</u></b> |  |             |
| <b>Principle Route of Exposure</b>     | Eye contact, skin contact and inhalation.  |             |
| <b>Acute Effects</b>                   |  |             |
| <b>Eyes</b>                            | Contact with eyes may cause irritation.  |             |
| <b>Skin</b>                            | May cause slight skin irritation.  |             |
| <b>Inhalation</b>                      | Dust may cause irritation of respiratory tract.  |             |
| <b>Ingestion</b>                       | Health injuries are not known or expected under normal use. Not for human consumption.                                     |             |
| <b>Chronic Effects</b>                 | Repeated contact may cause allergic reactions in very susceptible person.  |             |
| <b>Main Symptoms</b>                   | Repeated or prolonged exposure may cause irritation of eyes and skin. Inhalation of dust may cause breathing difficulties. |             |
| <b>Aggravated Medical Conditions</b>   | Skin disorders and respiratory disorders.  |             |
| <b>Potential Environmental Effects</b> | See section 12 for additional ecological information.  |             |
| <b>Toxicological Information</b>       | See section 11 for additional toxicological information.   |             |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

|                    |  |
|--------------------|--|
| <b>Description</b> | A solvent extracted linseed meal/pellet containing 36 % protein. |
|--------------------|--|

## Non-hazardous Components

| <u>Chemical Name</u> | <u>CAS-No</u> | <u>Weight %</u> | <u>North American Hazard Indicator</u> |
|----------------------|---------------|-----------------|--|
| Linseed Meal         | N/A           | 100             | -                                      |

---

## 4. FIRST AID MEASURES

|                           |   |
|---------------------------|---|
| <b>General Advice</b>     | When symptoms persist or in all cases of doubt seek medical advice.                             |
| <b>Eye Contact</b>        | Rinse thoroughly with plenty of water, also under the eyelids.                                  |
| <b>Skin Contact</b>       | Wash off with warm water and soap.  |
| <b>Inhalation</b>         | Move to fresh air.  |
| <b>Ingestion</b>          | Clean mouth with water and afterward's drink plenty of water. Consult a physician if necessary. |
| <b>Notes to Physician</b> | Treat symptomatically.  |

---

## 5. FIREFIGHTING MEASURES

|  |   |
|--|---|
| <b>Flammable Properties</b>                                  | Fine dust dispersed on air may ignite. Risks of ignition followed by flame propagation or secondary explosions should be prevented by avoiding accumulation of dust, e.g. on floors and ledges. The product may ignite if exposed to heat or open flame. To avoid risk of ignition, take precautions to prevent the product from overheating. |
| <b>Suitable Extinguishing Media</b>                          | Water spray. Carbon dioxide (CO <sub>2</sub> ) Dry Chemical. Use extinguishing measures that are appropriate to local circumstances and surrounding environment.  |
| <b>Unsuitable Extinguishing Media</b>                        | None known.   |
| <b>Hazardous Combustion Products</b>                         | No information available.   |
| <b>Explosion Data</b>  |   |
| <b>Sensitivity to Mechanical Impact</b>                      | No information available.   |
| <b>Sensitivity to Static Discharge</b>                       | Risk of dust explosion.   |
| <b>Specific Hazards Arising from the Chemical</b>            | None known.   |
| <b>Protective Equipment and Precautions for Firefighters</b> |   |
| <b>NFPA</b>  | <b>Stability &amp; Reactivity 0</b>   |
| <b>Health 0</b>  | <b>Physical Hazard</b>  |
| <b>Flammability 1</b>  |   |

---

## 6. ACCIDENTAL RELEASE MEASURES

|                                  |   |
|----------------------------------|---|
| <b>Personal Precautions</b>      | Use personal protective equipment. Avoid dust formation. Material can create slippery conditions. |
| <b>Environmental Precautions</b> | Local authorities should be advised if significant spillages cannot be                            |

**Methods for Clean-up**

contained. Sweep up and shovel into suitable containers for disposal.

**7. HANDLING AND STORAGE****Handling**

Avoid dust formation. Keep away from open flames, hot surfaces and sources of ignition. Refer to 29CFR 1910.272 Grain Handling Standards. Refer to NFPA 61, "Standard for the Prevention of Fires and Dust Explosions in Agriculture and Food Processing Facilities".

**Storage**

Keep containers dry and tightly closed to avoid moisture absorption and contamination.  
Keep away from heat and sources of ignition.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Limits**

| <u>Chemical Name</u>                 | <u>ACGIH TLV</u>   | <u>OSHA PEL</u>  | <u>MEXIC</u> | <u>NIOSH</u> | <u>OHSA</u>  |
|--------------------------------------|--|--|--------------|--------------|--|
| Particulates not otherwise regulated | TWA: 10 mg/m <sup>3</sup> inhalable particles, recommended<br>TWA: 3 mg/m <sup>3</sup> respirable particles, recommended | TWA: 15 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable fraction | Not listed   | Not listed   | TWA: 10 mg/m <sup>3</sup> inhalable particles<br>TWA: 3 mg/m <sup>3</sup> respirable particles |

**Legend**

ACGIH TLV-American Conference of Governmental Industrial Hygienists Threshold Limit Values. OSHA PEL-Occupational Safety and Health Administration Permissible Exposure Limits. TWA-Time Weighted Average. STEL-Short Term Exposure Limit. Ceiling-Ceiling Limit Value. OHSA-Ontario Occupational Health and Safety Act Exposure Limits.

**Engineering Measures**

Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits. However it is the duty of the user to verify this and follow given exposure limits at the workplace.

**General Hygiene Considerations**

Handle in accordance with food industrial hygiene and safety practice.

**Personal Protective Equipment****Eye/Face Protection**

Special protective equipment is generally not required if airborne dust concentrations are excessive, wear goggles.

**Skin and Body Protection**

Special protective equipment is generally not required. Protective gloves needed. Appropriate body protection should be selected based on activity and possible exposure.

**Respiratory Protection**

In case of insufficient ventilation wear suitable respiratory equipment. NIOSH-certified (or equivalent) vapour/particulate respirator.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                              |
|---|------------------------------|
| <b>Appearance</b>                             | Light brown-Tan              |
| <b>Physical State</b>                         | Solid                        |
| <b>Odor</b>                                   | Cereal                       |
| <b>Odor Threshold</b>                         | No information available     |
| <b>pH</b>                                     | No information available     |
| <b>Flash Point</b>                            | N/A                          |
| <b>Auto Ignition Temperature</b>              | No information available     |
| <b>Boiling Point</b>                          | N/A                          |
| <b>Melting/Freezing Point</b>                 | N/A                          |
| <b>Decomposition Temperature</b>              | No information available     |
| <b>Oxidizing Properties</b>                   | No information available     |
| <b>Flammability Limits in Air</b>             | N/A                          |
| <b>Specific Gravity</b>                       | No information available     |
| <b>Water Solubility</b>                       | Dispersible Evaporation Rate |
| <b>Vapor Pressure</b>                         | No information available     |
| <b>Vapor Density</b>                          | No information available     |
| <b>Partition Coefficient (n-octano/water)</b> | No information available     |

---

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Chemical Stability</b>                 | Stable under normal conditions          |
| <b>Conditions to Avoid</b>                | Heat, flames and sparks                 |
| <b>Incompatible Materials</b>             | No materials to be especially mentioned |
| <b>Hazardous Decomposition Products</b>   | No information available                |
| <b>Possibility of Hazardous Reactions</b> | None under normal processing            |

---

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

### Product Information

|                         |                          |
|-------------------------|--------------------------|
| <b>LD50 Oral:</b>       | No information available |
| <b>LD50 Dermal:</b>     | No information available |
| <b>LC50 Inhalation:</b> | No information available |

### Chronic Effects

### Carcinogenicity

No component of this product presents at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.

### OSHA: (Occupational Safety & Health Administration)

Not Listed

### ACGIH: (American Conference of Governmental Industrial Hygienists)

Not Listed

**NTP: (National Toxicity Program)**

Not Listed

**Mexico: (Official Mexican Norm NOM-010-STPS-1999)**

Not Listed

**IARC: International Agency for Research on Cancer)**

Not Listed

**Irritation**

No information available

**Sensitization**

No information available

**Mutagenic Effects**

No information available

**Developmental Effects**

No information available

**Corrosively**

No information available

**Neurological Effects**

No information available

**Reproductive Effects**

No information available

**Target Organ Effects**

Respiratory system , eyes and skin

---

**12. ECOLOGICAL INFORMATION****Eco toxicity****Eco toxicity Effects**

Contains no substances known to be hazardous to the environment. Contains no substances known to be not degradable in waste water treatment plants.

**Persistence/Degradability**

Readily biodegradable

**Bioaccumulation/Accumulation**

Not applicable

**Mobility**

Dispersible in water

---

**13. DISPOSAL CONSIDERATIONS**

Whenever possible, as rules and regulations allow, please recycle or manage materials to minimize waste.

**Waste Disposal Methods**

Dispose of in compliance with the laws and regulations pertaining to this product in your jurisdiction.

**Contaminated Packaging**

Empty containers should be decontaminated and taken for local recycling, recovery or waste disposal.

---

**14. TRANSPORT INFORMATION****Domestic Transportation Regulations (USA)**

DOT Not regulated

**Domestic Transport Regulations (Canada)**

TDG Not regulated

**Domestic Transport Regulation (Mexico)**

MEX Not regulated

**International Transport Regulations**

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

---

## 15. REGULATORY INFORMATION

### International Inventories

As animal feed, this product is exempted from the following inventories: U.S.A. (TSCA). When used as “feed” defined in the Canadian Feeds Act 1995 and the Feeds Regulations (SOR/83-592), this product is exempted from the following inventory: Canada (DSL).

### Legend

TSCA-Toxic Substances Control Act, Section 8(b) Inventory (USA). DSL-Domestic Substance List (Canada).

### USA

#### Federal Regulations

##### Ozone Depleting Substances:

No Class I or Class II material is known to be used in the manufacture of, or contained in, this product.

##### SARA 313

Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 372.

##### SARA 302

Section 302 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 302.

#### SARA 311/312 Hazardous Categorization

|  |    |
|--|----|
| <b>Acute Health Hazard</b>               | No |
| <b>Chronic Health Hazard</b>             | No |
| <b>Fire Hazard</b>                       | No |
| <b>Sudden Release of Pressure Hazard</b> | No |
| <b>Reactive Hazard</b>                   | No |

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product is not known to contain any HAPS.

#### State Regulations

##### California Proposition 65

Proposition 65 chemicals are not expected to be found in this product above those naturally present in their agricultural source. Proposition 65 exempts naturally occurring listed chemicals from an obligation to label.

##### State Right-to-Know

No known components subject to “Tight-to-Know” legislation in the following state: Massachusetts, Minnesota, New Jersey and Pennsylvania.

## Canada

### **WHMIS Product Classification**

Not a HWMIS controlled product.

### **WHMIS Ingredient Disclosure List IDL**

No known component is listed on the WHMIS ingredients disclosure list.

### **(NPRI) Canadian National Pollutant Release Inventory**

No known component is listed on NPRI

**This product has been classified in accordance with the hazard of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.**

### **Mexico**

**Mexico-Grade**

Slight risk, Grade 1

---

## 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.

Version: 3

Revision date: June 24, 2021