



# (Material) Safety Data Sheet

Product Number 873

Transport Symbol	WHMIS	NFPA	Personal Protective Equipment
Not controlled	Not controlled		

Original Preparation Date: 30-Oct-2009

Revision Date: 10-Oct-2013

Revision Number: 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product Name:**

Raw Linseed Oil

**Product Code:**

**Synonyms:**

Degummed Linseed Oil

**Contact Manufacturer:**

Sunnyside Corporation  
225 Carpenter Ave.  
Wheeling, IL 60090  
800-323-8611  
sscontact@sunnysidecorp.com

**Use of the Substance / Preparation:**

Core oils, caulking compounds, paints, tempering oil, etc

**Emergency response telephone number:**

Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Spontaneous combustion (fire) may result from oil soaked materials such as rags, steel wool, paper, and clothing. Place soaked materials in a sealed, metal container to prevent this.

**Appearance**  
Clear Amber

**Physical State**  
Liquid

**Odor**  
Characteristic

Based on available information, this product is not known to fall into any of the specified health or physical hazard categories defined by 29 CFR 1910, amended to conform to the United Nations' Globally Harmonized System of Classification and Labelling of Chemicals (OSHA / GHS); SOR/88-66, the Canadian Controlled Products Regulations (CPR); and/or NOM-002-SCT-2003 (Mexico). No signal words, pictograms, hazard phrases or precautionary phrases are known to be applicable. However, vegetable oil (in mist form) is known to be listed as an OSHA 29 CFR 1910.1000 Air Contaminant. Occupational exposure limits are subsequently provided in section 8 of this SDS.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Common Name** Raw Linseed Oil  
**Chemical Family** Oil-Vegetable

**Non-hazardous Components**

Chemical Name	CAS-No	Weight %	North American Hazard Indicator
Linseed oil	8001-26-1	100	None known

#### 4. FIRST AID MEASURES

##### Description of first aid measures

**General Advice** When symptoms persist or in all cases of doubt seek medical advice.

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

**Skin Contact** Wash off immediately with soap and plenty of water.

**Inhalation** Move to fresh air.

**Ingestion** Not for human consumption. Health injuries are not known or expected under normal use.

##### Most important symptoms and affects, both acute and delayed

**Eyes** Contact with eyes may cause mild irritation.

**Skin** Prolonged or excessive contact with skin may result in mild irritation, however, significant health injuries are not expected under normal use.

**Inhalation** Health injuries are not known or expected under normal use. When in the form of an airborne mist, refer to section 8 of this sheet for exposure limits pertaining to "vegetable oil mist". Excessive inhalation of mist may result in respiratory irritation.

**Ingestion** Overexposure may cause: Gastrointestinal disturbance. Health injuries are not known or expected under normal use.

##### Indication of any immediate medical attention and special treatment needed

**Notes to Physician** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Flammable Properties

Material may pose fire hazard because it is dispersed (or spread) by water.

##### Extinguishing media

**Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Dry powder. Foam. Fog. Sand. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

##### Special hazards arising from the substance or mixture

**Hazardous Combustion Products** Thermal decomposition can lead to release of irritating gases and vapors, Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Acrolein.

**Specific Hazards Arising from the Chemical** Risk of ignition. Rags and other materials containing this product may heat and spontaneously ignite, if exposed to air. Store wiping rags and similar materials in water filled metal cans with tightly fitting lids. Cool closed containers exposed to fire with water spray.

**Sensitivity to mechanical impact** No information available.

**Sensitivity to static discharge** No information available.

##### Advice for fire-fighters

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

##### NFPA

Health 1

Flammability 1

Stability and Reactivity 0

Physical hazard None known



#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal Precautions

Avoid high pressure washing or generation of aerosols. Material can create slippery conditions.

##### Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

##### Methods for Clean-up

Dam up. Soak up with inert absorbent material. Use dry spill kit material or sand, collect in appropriate containers. For disposal information see section 13. Clean contaminated surface thoroughly.

##### Other Information

Oil soaked materials may spontaneously combust

## 7. HANDLING AND STORAGE

### Handling

Ensure adequate ventilation. Do not use pressure to empty drums. Keep away from open flames, hot surfaces and sources of ignition. Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing.

### Storage

Keep containers tightly closed in a cool, well-ventilated place. To maintain product quality, do not store in heat or direct sunlight.

## 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 <sup>3</sup> mist, respirable fraction TWA: 15 mg/m <sup>3</sup> mist, total	TWA: 10 mg/m <sup>3</sup> except irritant oils	TWA: 10 mg/m <sup>3</sup> total mist TWA: 5 mg/m <sup>3</sup> respirable mist

### 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 good industrial hygiene and safety practice.

### Personal Protective Equipment

#### Eye/face Protection.

If exposed to airborne dust, appropriate safety glasses with side-shields or safety goggles are recommended.

#### Skin and Body Protection

Oil resistant gloves are recommended. Appropriate body protection should be selected based on activity and possible exposure. Also take into consideration the specific local conditions under which the product is used.

#### Respiratory Protection

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



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear Amber
<b>Physical State</b>	Liquid
<b>Odor</b>	Characteristic
<b>Odor Threshold</b>	No information available
<b>pH</b>	No information available

<b>Flash Point</b>	> 99 °C / 210 °F
<b>Autoignition Temperature</b>	> 344 °C / 651 °F
<b>Boiling point</b>	No information available
<b>Melting/Freezing Point</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Oxidizing Properties</b>	No information available

<b>Water Solubility</b>	Negligible
<b>Evaporation Rate</b>	Nonvolatile
<b>Vapor Pressure</b>	No information available
<b>Vapor Density</b>	Nonvolatile
<b>Specific Gravity / Relative Density</b>	0.93 @ 25°C / 77°F
<b>Viscosity</b>	A (Gardner Scale)
<b>Partition Coefficient (n-octanol/water)</b>	No information available

## 10. STABILITY AND REACTIVITY

**Stability** Stable under normal conditions.

**Possibility of Hazardous Reactions** Hazardous polymerization does not occur.

**Conditions to Avoid** Keep away from open flames, hot surfaces and sources of ignition. Rags and other materials containing this product may heat and spontaneously ignite, if exposed to air. Store wiping rags and similar materials in water filled metal cans with tightly fitting lids.

**Incompatible Materials** No materials to be especially mentioned.

**Hazardous Decomposition Products** Thermal decomposition can lead to release of irritating gases and vapors, Acrolein, Smoke, Fumes, Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>).

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

<b>Acute toxicity</b>	Based on available data, no evidence of acute toxicity.
<b>Skin corrosion/irritation</b>	Based on available data, not, or only slightly irritating.
<b>Serious eye damage/eye irritation</b>	Based on available data, no evidence of serious eye damage / irritation.
<b>Respiratory or skin sensitisation</b>	Based on available data, not expected to be a skin or respiratory sensitiser.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, no evidence of carcinogenicity.
<b>Reproductive toxicity</b>	Based on available data, no evidence of reproductive toxicity
<b>STOT - single exposure</b>	Based on available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, no known aspiration hazard.

### Potential health effects

**Eyes**

Contact with eyes may cause mild irritation.

**Skin**

Prolonged or excessive contact with skin may result in mild irritation, however, significant health injuries are not expected under normal use.

**Inhalation**

Health injuries are not known or expected under normal use. When in the form of an airborne mist, refer to section 8 of this sheet for exposure limits pertaining to "vegetable oil mist". Excessive inhalation of mist may result in respiratory irritation.

**Ingestion**

Overexposure may cause: Gastrointestinal disturbance. Health injuries are not known or expected under normal use.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

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

Chemical Name	Fresh Water Algae	Acute Fish Toxicity	Daphnia (Water flea)	Effects on micro-organisms	Other
Linseed oil				EC10 67000mg/L	

### **Persistence/Degradability Mobility**

Readily biodegradable.

The product is insoluble and floats on water.

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### 13. DISPOSAL CONSIDERATIONS

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

<b>Waste Disposal Methods</b>	Dispose of in compliance with the laws and regulations pertaining to this product in your jurisdiction. Oil soaked materials may spontaneously combust and should be properly managed to avoid ignition and heat sources or oxygen rich environments. Collect and store soaked materials in closed, water filled metal containers to help prevent combustion.
<b>Contaminated Packaging</b>	Empty containers should be decontaminated and taken for local recycling, recovery or waste disposal. Oil soaked materials may spontaneously combust. Store soaked materials in a sealed, metal container to prevent this.

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### 14. TRANSPORT INFORMATION

#### Domestic transport regulations (USA)

**DOT** Not regulated

#### Domestic transport regulations (Canada)

**TDG** Not regulated

#### Domestic transport regulations (Mexico)

**MEX** Not regulated

#### International transport regulations

**ICAO** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

The components of this product are reported in the following inventories:

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	AICS	ENCS ISHL	CHINA	PICCS	KECL	NZIoC
Linseed oil	Yes	Yes	No	Yes 232-278-6	No	Yes	No	Yes	Yes	Yes KE-22010	Yes

**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 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.

**CERCLA/SARA 103-302**

Sections 103-302 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 103-302.

**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 63)**

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**

Component Information.

Chemical Name	Weight %	Massachusetts	Minnesota	New Jersey	Pennsylvania
Linseed oil	100	No	No	No	Yes

**Canada****WHMIS Product Classification**

Not a WHMIS controlled product.

**WHMIS Ingredient Disclosure List IDL**

Component Information

Chemical Name	Weight %	WHMIS IDL	WHMIS Threshold limits
Linseed oil	100	Listed	1%

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

Component Information

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

**Mexico**

**Mexico - Grade**

Slight risk, Grade 1

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**16. OTHER INFORMATION**

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**Prepared By:** ADM Oils  
**Original Preparation Date:** 30-Oct-2009  
**Revision Date:** 10-Oct-2013  
**Revision Number:** 2  
**Reason for revision:** New SDS format. This version replaces all previous versions.

**Abbreviations and acronyms**

ACGIH TLV - American Conference of Governmental Industrial Hygienists Threshold Limit Values  
AICS - Australian Inventory of Chemical Substances (Australia)  
CAS - Chemical Abstract Service  
CHINA - Chinese Inventory of Existing Chemical Substances (China)  
DOT - U.S. Department of Transportation  
DSL - Domestic Substance List (Canada)  
EINECS - European Inventory of Existing Commercial Chemical Substances (EU)  
ELINCS - European List of Notified Chemical Substances (EU)  
ENCS - Existing and New Chemical Substances (Japan) / ISHL - Industrial Health and Safety Law (Japan)  
GHS - Globally Harmonized System of Classification and Labelling of Chemicals  
IATA - International Air Transport Association Dangerous Goods Regulations  
ICL - In Commerce List (Canada)  
IMDG - International Maritime Dangerous Goods Code  
IMO - International Maritime Organization  
KECL - Korean Existing and Evaluated Chemical Substances (Korea)  
LC50 - Lethal concentration that produces fatalities in 50% of a given test population  
LD50 - Median lethal dose of a given test population  
MEX - NOM-002-SCT/2003 List of Hazardous Substances and Materials Most Commonly Transported  
MEXICO - Mexico Occupational Exposure Limits  
NDSL - Non Domestic Substances List (Canada)  
NFPA - National Fire Protection Association  
NIOSH - National Institute of Occupational Safety and Health  
NZIoC - New Zealand Inventory of Chemicals (New Zealand)  
OSHA - Occupational Safety & Health Administration  
OSHA PEL - Occupational Safety and Health Administration Permissible Exposure Limits  
PICCS - Inventory of Chemicals and Chemical Substances (Philippines)  
STOT - Specific Target Organ Toxicity  
TDG - Transportation of Dangerous Goods (Transport Canada)  
TSCA - Toxic Substances Control Act, Section 8(b) Inventory (USA)  
TWA - Time Weighted Average: Average concentration that should not be exceeded during a work day (usually 8-hours)  
WHMIS - Workplace Hazardous Materials Information System

**The information provided on this (M)SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.**

End of sheet