



# Material Safety Data Sheet

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NORTHERN SUN-ADM

BOX 74

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TEL:(651)388-7111

Information Telephone Number (1-800-637-5864)  
All Chemical Emergencies (Chem Trek 1-800-424-9300)

## Section I- PRODUCT IDENTIFICATION

Product Name: **SCIENTIFIC BOILED LINSEED OIL**  
Product Class: Raw and Boiled Oils  
Product Code: 1030  
CAS NO: 68553-15-1  
Description: A raw linseed oil with manganese & cobalt dryers

## Precautionary Labeling

NFPA 704: Health: 1, Fire: 1, Reactivity: 0

**WARNING:** SPONTANEOUS COMBUSTION (fire) may result from materials such as rags, steel wool, paper and clothing soaked in linseed oil. Place in a sealed, water filled, metal container to prevent this.

## Section II - HEALTH HAZARDS IDENTIFICATION

**Permissible Exposure Level.** Vegetable oil mists - NIOSH 10 mg/m<sup>3</sup> (total); 5 mg/m<sup>3</sup> (resp); OSHA 15 mg/m<sup>3</sup> (total); 5 mg/m<sup>3</sup> (resp).

**Carcinogenicity:** This product does not contain 0.1% or more of any substance listed as a carcinogen by NTP, IARC, or OSHA.

### Effects of Overexposure:

**Inhalation:** Vapors may cause irritation of the respiratory tract.  
**Skin:** Prolonged or repeated skin contact may cause irritation or dermatitis.  
**Eyes:** Contact with eyes may cause burning and tearing.  
**Ingestion:** Ingestion of large amounts may cause gastrointestinal irritation.  
**Chronic:** Not Available.

### First Aid:

**Inhalation:** Vaporization is not expected at ambient temperatures, but should inhalation occur, immediately remove personnel from contaminated area to fresh air. Obtain medical attention if there are signs of breathing difficulties.  
**Eye Contact:** Flush eyes with clean, low-pressure water for at least 15 minutes, occasionally lifting eye lids. If pain or redness in eyes persists after flushing, obtain medical attention.  
**Skin contact:** Remove by wiping. Wash skin thoroughly with plenty of soap and water. Remove

contaminated clothing and thoroughly clean before reuse. Discard contaminated leather gloves and shoes. Oil soaked clothes may spontaneously combust. Thoroughly soak in water.

**Ingestion:** No significant signs or symptoms indicative of any adverse health effects are expected. Do not induce vomiting, since aspiration into lungs may cause chemical pneumonia. Milk or water may be given after ingestion, but never give anything by mouth to an unconscious person. Seek medical aid if necessary.

**Primary Route(s) of Entry:** Skin contact.

### Section III - PROTECTIVE EQUIPMENT AND OTHER CONTROL MEASURES

**Respiratory:** Respiratory protection may be required if material is used in poorly ventilated areas or if material is sprayed or heated. Follow OSHA respiratory regulations found in 29 CFR 1910.134. Use an NIOSH approved respiratory when necessary.

**Eye:** Chemical goggles should be worn to prevent eye contact with spills, splashes, or vapors.

**Skin:** Chemical resistant gloves can be worn to prevent prolonged or repeated skin contact.

**Ventilation:** General ventilation is recommended. Local ventilation may be required if material is sprayed or heated.

**Other:** Eye wash and safety shower should be available. Take a shower after work if general contact occurs. Remove oil soaked clothes and launder before reuse. **WARNING:** Oil soaked clothes should be immersed in water immediately to prevent spontaneous combustion.

### Section IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: 3B      Flash Point: >200° F      Auto-ignition temperature: 650°F

**EXTINGUISHING MEDIA:** Water spray, carbon dioxide, or foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** None known; however, fire fighters should wear self-contained breathing apparatus to prevent inhalation of smoke or vapors.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Linseed oil will oxidize and can cause SPONTANEOUS COMBUSTION of contaminated rags or other ignitable absorbent material. Immerse in water immediately.

### Section V - PHYSICAL AND CHEMICAL DATA

<b>Boiling point:</b> N/A	temperatures and pressures.
<b>Volatile:</b> 0 by volume	<b>Hazardous polymerization:</b> Not expected to occur
<b>Evaporation rate:</b> Nonvolatile	<b>Materials to avoid:</b> Strong oxidizing agents.
<b>Appearance:</b> clear, amber liquid.	<b>Conditions to avoid:</b> Oil soaked combustible materials can cause spontaneous combustion.
<b>Vapor density:</b> Nonvolatile	<b>Hazardous decomposition products:</b> Burning or excessive heating may produce carbon monoxide and other harmful substances.
<b>Specific gravity:</b> 0.93 @ 25° C	
<b>Viscosity:</b> A (Gardner Scale)	
<b>Solubility in water:</b> Negligible	
<b>Stability:</b> Stable under normal	



## Section VI - SPILLS AND DISPOSAL INFORMATION

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Ventilate area. Absorb with suitable absorbent material and place in closed container. For large spills, dike area and pump into closed containers. Prevent material from entering waterways. This material will float on water. Wear protective equipment during cleanup. Spills may create slipping hazards. Oil soaked materials may spontaneously combust.

### WASTE DISPOSAL METHOD:

This product, as supplied, when discarded or disposed of, will not be a hazardous waste according to federal regulations. Under the Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste subject to RCRA.

Care should be taken to ensure that the material or its containers are disposed of in an approved facility in accordance with current federal, state, and local regulation.

Further information; contact your state or local waste agency or the United States Environmental Protection Agency's RCRA Hotline (1-800-424-9346 or 1-202-382-3000).

## Section VII - TRANSPORTATION INFORMATION

**DOT Proper Shipping Name:** Not regulated by DOT

**International Maritime Organization (IMO)/International Maritime dangerous Goods Code (IMDG):** Not regulated by IMO or IMDG.

**International Air Transport Association (IATA):** Not regulated by IATA.

## Section VIII - REGULATORY INFORMATION

### US Federal

#### TSCA

- ◆ CAS# 68553-15-1 is listed on the TSCA inventory.
- ◆ **Health & Safety Reporting List** – None of the chemicals are on the Health & Safety list.
- ◆ **Chemical Test Rules** – None of the chemicals in this material are under a Chemical Test Rule.
- ◆ **Section 12b** – None of the chemicals are listed under TSCA Section 12b.
- ◆ **TSCA Significant New Use Rule** – None of the chemicals in this material have a SNUR under TSCA.

#### SARA

- ◆ **Section 302 (RQ)** – none of the chemicals in this material have an RQ.
- ◆ **Section 302 (TPQ)** – None of the chemicals in this material have a TPQ.
- ◆ **Section 311, 312, and 313** – None of the chemicals in this material have reporting requirements under these regulations.

#### Clean Air Act

- ◆ This material does not contain any hazardous air pollutants.

- ◆ This material does not contain any Class 1 or 2 Ozone depleters.

**Clean Water Act**

- ◆ None of the chemicals in this material are listed as Hazardous substances, Priority pollutants or toxic pollutants under the CWA.
- ◆ Under EPA – CWA, this product is classified as Oil. Spills into or leading to surface waters that cause a sheen must be reported to the National Response Center 800-424-8802.

**Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) 40 CFR Subchapter E:**

This product is not registered under this regulation by ADM.

**STATE**

- ◆ **California - Proposition 65:** This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
- ◆ **Pennsylvania** – This product is found on Pennsylvania's Appendix A Hazardous Substance List for Right To Know information. It is not listed as an environmental or special hazardous substance.
- ◆ **New Jersey** - This product is not listed on New Jersey's Environmental Hazardous Substance List, Table A.
- ◆ **Massachusetts** – This product is not listed on Massachusetts Substance List of Toxic or Hazardous Substances.

**OTHER COUNTRIES**

CAS# 68553-15-1, linseed oil can be found on the following lists:

Australia: AICS

Europe: EINECS

Canada: DSL/NDSL

Korea: ECL

**Section IX - ADDITIONAL PRECAUTIONS**

Remove spillage immediately from hard, smooth walking areas to avoid slipping hazard. Keep containers closed. Store and handle product to prevent contamination from any source.

**Disclaimer of Liability**

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This MSDS replaces all previous versions for this product. Please discard all previous versions as they may contain changed or obsolete information.

**Revision History.**

10/1/90; 7/1/94; 5/8/97