Double Boiled Linseed Oil

Double Boiled Linseed Oil is supplied in the Oils range for industrial formulation and processing enquiries. CAS No. 68553-15-1.

DOCUMENT TYPE	Safety Data Sheet (SDS)
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SAFETY DATA SHEET (SDS)

Section 1. Identification	
Product identifier	Polyrheo- DBLO
Other means of identification	Double Boiled Linseed Oil
Recommended use and restrictions on use	Refer to product label
Initial supplier identifier	**Polyrheo Inc.** **217 Boulevard Brunswick** **Point Claire, Québec, H9R 4R7.** **Tel : +1 514 457-5004**
Emergency telephone number/restriction on use	Canada – CANUTEC 24-hour # 613-996-6666, International +1 514 825-4977

Section 2. Hazard identification
Classification of hazardous product (name of the category or subcategory of the hazard class)
Not considered as a hazardous product
Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)
Not regarded as a health hazard under current legislation. May cause skin irritation, especially after prolonged or repeated exposure. May cause eye irritation.

Other hazards known	None

Section 3. Composition/information on ingredients		
Chemical name (common name/synonyms)	**CAS number or other**	**Concentration (%)**
Double Boiled Linseed Oil	68553-15-1	N/A

Section 4. First-aid measures	
Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical attention if you feel unwell. IF exposed or concerned: Call a doctor. Remove victim to fresh air and keep at rest in position for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband.
Ingestion	If SWALLOWED: Immediately call a doctor. Wash out mouth with water. Remove dentures if any. If material has been swallowed and person feels unconscious, give small quantity of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting. NEVER give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
Skin contact	IF ON SKIN: Wash contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly.

Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (15-20), occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Chemical burns must be treated promptly by a physician
Indication of immediate medical attention/special treatment	In all cases, call a doctor. Do not forget this document. Treat symptomatically. Contact poison treatment specialist if large quantities have been ingested or inhaled. No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Section 5. Fire-fighting measures

Specific hazards of the hazardous product (hazardous combustion products)

In a fire or if heated, a pressure increase will occur, and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Suitable and unsuitable extinguishing media

In case of fire: Use Alcohol foam, dry chemical or carbon dioxide and appropriate foam to extinguish surrounding products.

Special protective equipment and precautions for fire-fighters

Firefighters should wear protective clothing and face masks.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).

Methods and materials for containment and cleaning up

Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

Section 7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.
Keep the container tightly closed and in a cool, well-ventilated place
Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well- ventilated area, away from incompatible materials, and food and drinks. Store locked up. Keep container tightly closed and sealed until ready to use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/Personal protection
Control parameters (biological limit values or exposure limit values and source of those values)
If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control parameters and/ or the necessity to use respiratory protective equipment. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
Appropriate engineering controls
Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
Individual protection measures/personal protective equipment
Hygiene measures: Wash hands, forearms, and face thoroughly after handling the products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reuse. Ensure the eyewash stations and safety showers are close to the workstation location.
Eye/ face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required. Recommended: full-face mask.
Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Respiratory protection: Use a properly fitted, air- purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and safe drinking limits of the selected respirator. Recommended: self-contained breathing apparatus (SCBA).
Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 9. Physical and chemical properties			
Appearance, physical state/colour	Pale yellow to amber clear liquid	**Vapour Pressure**	Not available
Odor	Not available	**Vapor density**	Not available
Odour threshold	Not available	**Relative density**	Not available
		Density	0.93@25℃
pH	Not available	**Solubility in Water**	Not available
Melting/freezing point	Not available	**Partition coefficient - in-octanol/water**	Not available
Initial boiling point/range	Not available	**Auto-ignition temperature**	Not available
Flash point	>200°F	**Decomposition temperature**	Not available
Evaporation rate	Not available	**Pour Point**	Not Available

Flammability (solids and gases)	Not available	**Volatile by Volume:**	Not available
Enclosed space ignition deflagration density:	Not applicable	**Viscosity:**	Not available
Flame height:	Not applicable		
Flame duration:	Not applicable		
Upper and lower flammability/explosive limits	Not available	**Specific Gravity**	0.93 @ 25°C

Section 10. Stability and reactivity

Reactivity

Does not react under the recommended storage and handling conditions prescribed.

Chemical stability

Stable under the recommended storage and handling conditions prescribed.

Possibility of hazardous reactions

No

Conditions to avoid (static discharge, shock or vibration)

Contact with strong oxidizers, excessive heat, sparks or open flame

Incompatible materials

none with proper storage

Hazardous decomposition products

biodegradable; will produce carbon monoxide, carbon dioxide, and nitrogen oxides

Section 11. Toxicological information

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)

Absorbed through skin
Eye contact
Inhalation
Ingestion

Delayed and immediate effects and also chronic effects from short and long-term exposure:
Acute Toxicity: Not known

Germ cell mutagenicity	No known significant effects or critical hazards
Carcinogenicity	No known significant effects or critical hazards
Reproductive toxicity	No known significant effects or critical hazards
Specific target organ toxicity- single exposure	No known significant effects or critical hazards
Specific target organ toxicity- repeated exposure	No known significant effects or critical hazards
Chronic effects	

Section 12. Ecological information

Eco toxicity: Not available

Persistence and degradability	No data available

Bio accumulative potential: No data available

Mobility in soil	No data available
Other adverse effects	No data available

Section 13. Disposal considerations	
Information on safe handling for disposal/methods of disposal/contaminated packaging	
Observe all central, state and local environmental regulations. Dispose of contents/container into safe container in accordance with local, regional or national regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed off in a safe manner. Empty containers should be taken to an approval waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.	
Section 14. Transport information	
UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations	
NOT CONSIDERED AS A HAZARDOUS PRODUCT	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)	
NOT CONSIDERED AS A HAZARDOUS PRODUCT	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)	
NOT CONSIDERED AS A HAZARDOUS PRODUCT	
Special precautions (transport/conveyance)	Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of spillage or an accident.
Environmental hazards (IMDG or other)	None
Bulk transport (usually more than 450 L in capacity)	Not available
Section 15. Regulatory information	
Safety/health Canadian regulations specifics	Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
Environmental Canadian regulations specifics	Refer to Section 3 for ingredients of the DSL
TSCA Section 12 (b) Export notifications (40 CFR 707, Sub. pt. D) **CERCLA Hazardus substance List (40 CFR 302.4)**	Not regulated Not listed
SARA 304 Emergency release notification	Not regulated
OSHA Specifically Regulated Substances (29 CFR 1910.1001.1052)	Not regulated
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
SARA 302 Extremely hazardous substance	Not listed
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
Clean water Act (CWA) section 112(r) (40 CFR 68.130)	Not regulated

Safe Drinking Water act (SDWA)	Not regulated
US state regulations **California Proposition 65** **WARNING** 	This product is not listed in California Proposition 65 act list, which is known to the State of California to cause cancer and birth defects or reproductive harm. For more information go to www.P65Warnings.ca.gov

International inventories		
Country(s) or region	**Inventory name**	**On inventory (yes/no)***
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substance List (DSL)	Yes
Canada	Non-Domestic substance list(NDSL)	No
China	Inventory of Existing Chemical substances in China (IECSC)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory (NZIoC)	Yes
Philippines	Philippine Inventory Of chemicals and chemical substances (PICCS)	Yes
Taiwan	Taiwan Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	
*** A "yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)**		
***A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).**		

Section 16. Other information	
Date of the latest revision of the safety data sheet	March 11, 2020 Version 1
References	Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.
Abbreviations	
ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration

LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System

Disclaimer

Information provided in this Safety Data Sheet is correct to the best knowledge, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.