

# Safety Data Sheet

## Linseed Stand Oil



Version  
1.0

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : Linseed Stand Oil 50-55 dPa s

Substance name : Linseed oil, polymerized

CAS-No. : 67746-08-1

EC-No. : 614-114-9

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-  
stance/Mixture : Paint additive, Wood preservatives

#### 1.3 Details of the supplier of the safety data sheet

Company : Michael Harding Art Formulas Ltd  
Unit K Springvale Ind Est  
Cwmbran  
NP44 5BE

Telephone : +44 (0) 1633 484700

E-mail address : accounts@michaelharding.co.uk

#### 1.4 Emergency telephone number

Tel.: ++44 (0) 1633 484700 Opening hours Mon-Thur 08:00-16:30, Fri 08:00-15:30

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent

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### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

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Substance name : Linseed oil, polymerized  
CAS-No. : 67746-08-1  
EC-No. : 614-114-9

### Components

No hazardous ingredients

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : Do not leave the victim unattended.

If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

In case of skin contact : Wash off with warm water and soap.

In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

None known.

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

Treatment : Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Sand  
Dry powder

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Foam

Unsuitable extinguishing media : High volume water jet

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

Hazardous combustion products : Carbon oxides  
Acrolein

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use a water spray to cool fully closed containers.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use non-slip safety shoes in areas where spills or leaks can occur.  
Contaminated surfaces will be extremely slippery.  
Mark the contaminated area with signs and prevent access to unauthorized personnel.

### 6.2 Environmental precautions

Environmental precautions : Prevent spreading over a wide area (e.g. by containment or oil barriers).  
Remove from surface water (e.g. by skimming or siphoning).

Prevent further leakage or spillage if safe to do so.  
Do not allow contact with soil, surface or ground water.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Collect as much of the spill as possible with a suitable absorbent material.  
Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

- Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.
- In very fine dispersion in contact with air possible danger of self ignition.  
Materials soiled with product such as cleaning rags, tissues and protective clothing, may ignite spontaneously a few hours later.  
To avoid the risks of fires, all contaminated materials should be placed in a closed metal container soaked with water.
- Advice on protection against fire and explosion : Keep product and empty container away from heat and sources of ignition.
- Normal measures for preventive fire protection.
- Hygiene measures : Wash hands before breaks and at the end of workday.

#### 7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.
- Advice on common storage : Keep away from oxidizing agents and strongly acid or alkaline materials.
- Recommended storage temperature : 10 - 30 °C
- Further information on storage stability : No decomposition if stored and applied as directed.

#### 7.3 Specific end use(s)

- Specific use(s) : No data available

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Linseed oil, polymd.	Workers	Inhalation	Long-term systemic	1.76 mg/m3

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			effects	
	Workers	Skin contact	Long-term systemic effects	5 mg/kg
	Consumers	Inhalation	Long-term systemic effects	0.43 mg/m3
	Consumers	Skin contact	Long-term systemic effects	2.5 mg/kg
	Consumers	Ingestion	Long-term systemic effects	0.25 mg/kg

### 8.2 Exposure controls

#### Personal protective equipment

- Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles
- Hand protection  
Material : Nitrile rubber
- Remarks : Protective gloves
- Skin and body protection : Work uniform or laboratory coat.
- Respiratory protection : No personal respiratory protective equipment normally required.  
In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : viscous
- Colour : light yellow
- Odour : characteristic
- pH : Not applicable
- Melting point/range : -42 °C  
(1,013 hPa)
- Boiling point/boiling range : Decomposition at boiling point.
- Flash point : > 328 °C
- Upper explosion limit / Upper flammability limit : not determined
- Lower explosion limit / Lower flammability limit : not determined

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Vapour pressure	:	0.000133 hPa (20 °C)
Density	:	0.95 - 0.97 g/cm <sup>3</sup> (20 °C) Method: ISO 2811-3
Solubility(ies) Water solubility	:	0.001 g/l (20 °C)
Partition coefficient: n-octanol/water	:	log Pow: 6 (20 °C)
Viscosity Viscosity, dynamic	:	ca. 5,000 - 5,500 mPas (20 °C) Method: ISO 12058-1
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive

### 9.2 Other information

Flammability (liquids)	:	Sustains combustion
Self-ignition	:	425 °C 1,013 hPa

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.  
In very fine dispersion in contact with air possible danger of self ignition.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions            :    No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid            :    Heat, flames and sparks.  
  
Risk of self-combustion from drying oils on used towels/rags.

### 10.5 Incompatible materials

Materials to avoid            :    Oxidizing agents  
Strong acids and strong bases

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### 10.6 Hazardous decomposition products

Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Acrolein

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Product:**

Acute oral toxicity                    : LD50 Oral (Rat): > 4,897 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity            : Remarks: No data available

Acute dermal toxicity                : LD50 Dermal (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402

#### Skin corrosion/irritation

**Product:**

Method                                 : OECD Test Guideline 431  
Result                                  : No skin irritation

#### Serious eye damage/eye irritation

**Product:**

Method                                 : OECD Test Guideline 437  
Result                                  : No eye irritation

#### Respiratory or skin sensitisation

**Product:**

Test Type                               : Local lymph node assay (LLNA)  
Method                                  : OECD Test Guideline 429  
Result                                  : Does not cause skin sensitisation.

#### Germ cell mutagenicity

**Product:**

Genotoxicity in vitro                : Test Type: Ames test  
Method: OECD Test Guideline 471  
Result: negative

Test Type: Chromosome aberration test in vitro  
Method: OECD Test Guideline 473  
Result: negative

Test Type: gene mutation test

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Method: OECD Test Guideline 476  
Result: negative

### Carcinogenicity

**Product:**

Remarks : No data available

### Reproductive toxicity

**Product:**

Effects on foetal development : Test Type: reproductive and developmental toxicity study  
Species: Rat, male and female  
Developmental Toxicity: NOAEL: 150 mg/kg body weight  
Method: OECD Test Guideline 421  
Remarks: Not classified due to inconclusive data.

### STOT - single exposure

**Product:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### STOT - repeated exposure

**Product:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Repeated dose toxicity

**Product:**

Species : Rat  
NOAEL : > 1,000 mg/kg  
Application Route : Ingestion  
Method : OECD Test Guideline 422

### Aspiration toxicity

**Product:**

No aspiration toxicity classification

### Further information

**Product:**

Remarks : No data available



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### SECTION 12: Ecological information

#### 12.1 Toxicity

**Product:**

- Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 1,000 mg/L  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 100 mg/L  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EL50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/L  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- Toxicity to microorganisms : EC50 (activated sludge): > 100 mg/L  
Exposure time: 3 h  
Method: OECD Test Guideline 209

#### 12.2 Persistence and degradability

**Product:**

- Biodegradability : Result: Not readily biodegradable.  
Method: OECD Test Guideline 301D

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

**Product:**

- Distribution among environmental compartments : log K<sub>oc</sub>: > 4.96  
Method: QSAR  
Remarks: The product is insoluble and floats on water.

#### 12.5 Results of PBT and vPvB assessment

**Product:**

- Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent.

#### 12.6 Other adverse effects

**Product:**

- Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation



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### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (A)	: Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	: Not applicable
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving da	Not applicable

#### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

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### SECTION 16: Other information

#### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Stand-

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ardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

GB / 6N