

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: **RAW LINSEED OIL (AMAZING HASTE)**

Other Names: Flax Seed Oil, Cold Pressed Linseed Oil

Recommended Use: Cricket bat surface treatment, raw material in putty manufacture, wood preservation, sealants, caulking compounds, brake linings, textiles and foundry products. Surface coating of outdoor furniture as 50: 50 blend with mineral turpentine.

Supplier: TMK Packers Ltd

Address: 2/20 Trugood Drive, East Tamaki.
PO Box 258 031, Botany, Manukau 2163

Telephone: (+64) 9 273 3753

Facsimile: (+64) 9 273 3752

Website: www.tmkpackers.co.nz

Emergency phone: **National Poison Centre**
0800 POISON [0800 764 766]



2. HAZARDS IDENTIFICATION

Product is classified as hazardous according to Schedules 1 to 6 of the *Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001* of the HSNO Act, 1996.

HSNO Classifications: 6.3B, 6.4A

Signal word: **WARNING**

Hazard Statements :

H316 Causes mild skin irritation

H320 Causes eye irritation

Prevention Statements :

P103 Read label before use

P264 Wash hands thoroughly after handling

P280 Wear eye protection

3. COMPOSITION : Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%)
Linseed oil (triglyceride esters of unsaturated fatty acids)	8001-26-1	100



as linoleic, linolenic, oleic and stearic free fatty acid content with raw linseed oil with 2-4% fatty acid)

4. FIRST AID MEASURES

For advice, contact National Poison Centre (0800 POISON ; 0800 764 766) or a doctor. Have product container or label available.

Swallowed

If swallowed, do NOT induce vomiting. Rinse mouth. Where there is risk of vomiting, lean person forward or place on left side to avoid aspiration of product into lungs. Get medical attention.

Skin Contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation persists, get medical attention.

Eye Contact

Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Remove contact lenses if present and easy to do, after the first 5 minutes and continue rinsing. Get medical attention if irritation persists.

Inhalation

Move the victim to fresh air immediately. Keep warm and at rest until recovered. Get medical attention if symptoms continue. Begin artificial respiration if breathing has stopped. Get immediate medical attention.

First Aid Facilities: Provide eye bath.

Advice to Doctor: Treat according to symptoms.

5. FIRE FIGHTING MEASURES

Flashpoint: >100°C

Flammable limits: LFL : not available UFL: not available

Extinguishing media:

Foam, dry chemical or CO₂. Use water spray/water fog for large fires only.

Fire & Explosion hazards:

Combustible liquid Do not breathe smoke, gases or vapours generated in a fire. Rags wetted or soaked with unsaturated hydrocarbon/drying oils can auto-oxidise and may generate heat and in time, smoulder and ignite.

Firefighting Equipment:



Full protective clothing and self-contained breathing apparatus (SCBA).

In event of fire:

- Alert Fire Bridge (111); advise location and nature of hazard.
- Wear breathing apparatus and protective gloves.
- Shut off product that may 'fuel' a fire if safe to do so.
- If safe, switch off electrical equipment until vapour hazard removed.
- Allow trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet.
- Prevent product and extinguishing media from escaping to drains and waterways.

Hazards from combustion products:

Product will emit toxic fumes of carbon monoxide and acrolein.

Hazchem Code: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures & Containment:

Refer to "Fire Fighting Measures", "First Aid Measures" and "Stability and Reactivity".

Minor spills

- Remove or eliminate all ignition sources.
- Clean up spills immediately.
- Avoid breathing vapours and contact with skin and eyes.
- Wear personal protective equipment.
- Contain and absorb small quantities with vermiculite or other absorbent material.
- Collect residues and waste material in a labelled container suitable for flammables.
- Seal container and dispose of safely.

Major spills

- Clear area of personnel and move upwind.
- Alert Fire Bridge (111); advise location and nature of hazard.
- Wear breathing apparatus plus protective gloves.
- Stop leak if safe to do so.
- Contain spill with sand, earth or vermiculite.
- Prevent by any means available, spillage from entering drains, sewers, watercourses, or low-lying areas.
- Eliminate sources of ignition, naked lights. No smoking.
- Increase ventilation.
- Water spray or fog may be used to disperse/absorb vapour.
- Use only spark-proof tools, e.g. shovels, and explosion proof equipment, e.g. pumps.
- Collect recoverable product into labeled containers for recycling.



- Absorb remaining product with sand, earth or vermiculite.
- Collect solid residues and seal in labelled drums for disposal.
- Wash area and prevent run off into drains.
- If contamination of drains or waterways occurs, advise Emergency Services and Local or Regional authority.

7. HANDLING AND STORAGE

Precautions for safe handling:

Read product label before use.

Wear gloves and wash hands with soap and water after handling.

Take precautionary measures against static discharges by bonding and grounding equipment.

Conditions for safe storage:

Store in original packaging in a cool, dry place away from direct sunlight, moisture and static discharges. This product will fuel a fire in progress. Check containers periodically for leaks or distortion.

Incompatible materials:

Combustible materials, e.g. rags, cloth.

8. EXPOSURE CONTROLS : PERSONAL PROTECTION

Health Exposure Standards:

No Workplace Exposure Standard (WES) has been set by the Occupational Safety and Health Service , NZ Department of Labour for this product.

Biological limit values: None established

Engineering Controls:

Ventilation: Use product outdoors or in well-ventilated area.

Personal Protective Equipment:

Respiratory Protection: Not normally required. If engineering controls inadequate, wear a SAA approved respirator. A Type A-P filter is adequate.

Eye Protection: Protect eyes from splashes. Always use safety glasses with side shield, or goggles. Avoid wearing contact lenses.

Skin/ Body Protection:

Wear gloves, e.g. PVC. If using product in commercial or industrial situations, wear chemical resistant gloves, e.g. PVC, nitrile rubber, also safety footwear or safety gumboots, e.g. rubber. Always wear long sleeves and long trousers or coveralls; PVC apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
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Appearance	-	Brown /amber liquid
Odour	-	Characteristic
Flash Point	°C	> 100 °C
Specific gravity @ 20°C	g/ml	Not available
Vapour Pressure @ 20°C	mm Hg	<1
Vapour Density @ 20°C	kPa	Not available
Explosive Limits in Air	%	Not available
Viscosity	cSt	Not available
Volatiles	%vol/vol	Not available
Alkalinity/acidity (as pH)	-	Not applicable
Solubility in Water	% w/w	Insoluble

The values listed are indicative of this product's physical and chemical properties.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at room temperature and pressure.

Conditions to avoid: Sources of heat and ignition, open flames. Contact with high pressure oxygen may cause ignition/combustion. Rags wetted or soaked with unsaturated hydrocarbon/drying oils can auto-oxidise and may generate heat and in time, smoulder and ignite.

Hazardous decomposition products: No decomposition products except on burning. See "Fire Fighting Measures" and "Hazardous Reactions".

Hazardous reactions: Oxidizing agents, acids, combustible materials and sources of ignition.

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

If swallowed in large amounts, symptoms of nausea, abdominal irritation, pain and vomiting may result.

Eye Contact

This product may be irritating to the eyes resulting in inflammation. Prolonged or repeated contact may result in conjunctivitis.

Skin Contact

This product is irritating to skin. Prolonged or repeated exposure may result in drying cracking and possible contact dermatitis (skin redness and swelling).

Inhalation

Unlikely to be hazard as product is non-volatile. Mist may cause discomfort to respiratory tract and lungs.



Chronic Effects: No specific ill-effects identified.

Other Health Effects Information: No specific ill-effects identified.

Toxicological Information: Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity: Product has not been identified as being ecotoxic to aquatic life.

Persistence/degradability: No information available.

Mobility: No information available.

Other information: None

Environmental Exposure Standards:

EEL (WATER):	Not set
EEL (SOIL)	Not set
EEL (SEDIMENTS)	Not set

13. DISPOSAL CONSIDERATIONS

Disposal Methods:

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national, regional and local authority regulations. Packaging may still contain product residue. Ensure that empty packaging is allowed to dry.

14. TRANSPORT INFORMATION

UN Number: Not regulated

Shipping name:

Class:

Packing group:

Hazchem code:

Dangerous Goods Segregation

This product is not classified as Dangerous Good.

Please consult NZS 5433:2007 Transport of Dangerous Goods on Land for information.

15. REGULATORY INFORMATION

Country/ Region: New Zealand



Inventory: NZCIL

Status: Listed

ERMA New Zealand Approval Code:

HSR002503 Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2006.

Refer www.ermanz.govt.nz for information on Controls.

16. OTHER INFORMATION

Date of Issue: 27th April, 2010

Reasons for Issue: Change in format; add heading.

Replaces: 26th March, 2010

Abbreviations:

CAS No	Chemical Abstracts Number
ERMA	Environmental Risk Management Authority
HSNO	Hazardous Substances and New Organisms
NZCI	New Zealand Chemical Inventory
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
WES	Workplace Exposure Standard

References:

Supplier Material Safety Data Sheets

ERMA website: www.ermanz.govt.nz

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact TMK Packers Ltd.

END OF SAFETY DATA SHEET

