**MATERIAL SAFETY DATA SHEET – RAW LINSEED OIL**

**Non Hazardous according to criteria of WorkSafe Australia**

**PRODUCT IDENTIFICATION:**

Trade Name: Raw Linseed Oil

Chemical Name: Triglycerides of Linolenic Acids

UN: n.a Class: n.a

Hazchem: n.a Pkg: n.a

Shipping Name: n.a EPG: n.a

**CHEMICAL COMPOSITION:**

Consists of triglycerides of linolenic and linoleic acids.

**PHYSICAL DATA:**

Appearance & Odour: Yellow-brown liquid with nutty odour

Boiling Point: Decomposes

Specific Gravity: 0.925 (at 25 deg C)

Vapour Pressure: n.a

Percent Volatiles by Volume: n.a

Solubility in Water: Not soluble

**FIRE & EXPLOSION DATA:**

**Flash Point:** >300 deg C

**Flammable Limits in air (% by Vol):** n.a Upper: n.a

**Extinguishing Media:** Foam water spray (fog) or carbon dioxide. Avoid dry powder extinguishers.

**Special Fire Fighting Procedures:** Use foam or carbon dioxide. Minimize breathing fumes of burning oil by use of breathing equipment.

**Unusual Fire & Explosion Hazards:** Rags used for cleaning or wiping linseed oil are suspectable to spontaneously combustion especially in direct sunlight. Wash rags immediately after use or dispose of by burning.

**REACTIVITY DATA:**

Not reactive. Do not store near oxidizing agents which may cause product gel. Avoid finely decided powders.

**SPECIAL PROTECTION INFORMATION:**

Ventilation: n.a

Respiratory Protection: n.a

Protective Clothing: n.a

Eye Protection: n.a

Skin Protection: n.a

**FIRST AID:**

**Skin or Eye:** Flush eyes with water. Wash skin with plenty of soap and water.

**Inhaled:** n.a

**Swallowed:** Not dangerous if swallowed.

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**HEALTH HAZARD DATA:**

**Threshold Limit Value:** n.a

**Occupational Exposure Level:** n.a

**Acute Toxicity:** n.a

**Chronic Effects:** n.a

**SPILL OR LEAK PROCEDURES:**

If spilt prevent runoff to drains & watercourses. Inform EPA if spill is substantial. For waste disposal absorb or contain spill with sand or earth; do not use sawdust. Sean absorbed material in labelled drums and consult local waste authority.

**PRODUCT INFORMATION:**

Raw Linseed Oil has many uses in a variety of different industries. Some of these are; as a food supplement for animals, as an attractant in rat bail, to protect cricket balls, for use in oil-based paints and timber finishes, for core-making in the foundry industry, ect. Over the years the main use has been in protection of timber from weathering. When applied directly it will soak into the timber to provide protection against water and harsh sunlight. The main disadvantages are that it takes up to four days to dry completely and the surface will often retain and oily feel. To overcome these problems, a relatively new product, Sceneys Weatherproof Oil, has been developed for use on all outdoor timber surfaces. It provides the protection of Linseed Oil but has an alkyd resin and driers added used on all timber surfaces where quick drying is necessary.

Prepared by Dr Greg Sceney 01/12/2012

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