



# Material Safety Data Sheet

Product Name: Tru-Blu Envirol Biodegradable Hammer Oil.

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Supplier Name** TRU-BLU OIL AUSTRALIA PTY LTD  
**Address** 6 Dunlop Court, Bayswater, Victoria, AUSTRALIA, 3153  
**Telephone** (03) 9720 4400  
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**Emergency** 0412 609 722  
**Email** technical@trubluoil.com.au  
**Web Site** <http://www.trubluoil.com.au/>

**Use(s)** Lubrication of DTH hammers.  
**SDS Date** 19/09/2014

## 2. IDENTIFICATION AND PHYSICAL DATA

**Specification Code:** Bio Hammer Oil  
**Use:** DTH Hammer Oil  
**Appearance:** Pale yellow at ambient temperatures  
**Boiling Point:** Decomposes increasing rapidly above 330°C  
**Vapour Pressure:** Less than 0.1 kPa at 25°C  
**Specific Gravity:** 0.926 – 0.934  
**Flammability Limits (%):** Unknown  
**Solubility in Water (g/L):** less than 1  
**Flashpoint (open cup):** Over 300°C at 0.1% FFA  
(Flashpoint lower at higher FFA)  
**Other Properties:** Emulsifiable in water, soluble in hydrocarbons, chlorinated solvents, esters, ethers.  
Slightly soluble in alcohols, ketones, increasing with lower polarity, 90% Bio-Degradable in CEC L-33.  
**Ingredients:** 80-90% Canola, 10-20% biodegradable additives.

## 3. HEALTH HAZARD INFORMATION

Product has no known intrinsic harmful or hazardous properties when intended use is for edible purposes.

### Health Effects

**Acute:**  
**Swallowed:** None known.  
**Eye:** None known  
**Skin:** None known  
**Inhaled:** Inhalation of droplets may cause pneumonitis.

**Chronic:** None known

**First Aid:**  
**Swallowed:** No treatment normally required  
**Eye:** Flush with water for at least 15 minutes.  
Seek medical advice.  
**Skin:** Wash skin with soap & water  
**Inhaled:** Seek medical advice.  
**Facilities:** Only basic first aid facilities required.

**Advice to Doctor:** Treat symptomatically.

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#### 4. PRECAUTIONS FOR USE

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- Exposure Standards:** No threshold limit value known.
- Engineering Controls:** No special ventilation required. Oil coatings on equipment, floors and clothing are slippery and may lead to physical injury due to falls. Use non-skid aids where spills may occur. Seamless epoxy is most resistant to breakdown caused by prolonged contact with edible oil spills. Concretes are less resistant.
- Personal Protection:** No specific protective clothing required for product at ambient temperatures.
- Flammability:** Non-flammable. Will only burn in bulk if heated over 300°C-350°C (approx) at low FFA levels. Fire point is lower with higher FFA. Fire risk low, but oil will burn in general fire.

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#### 5. PRECAUTIONS FOR USE

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- Storage & Transport:** Not hazardous. Oil should be stored in clean, dry & non-tainting closed vessels. It is an edible product and must not be contaminated. Exposure to ambient temperatures degrades quality parameters at a rate dependent on time and temperature of exposure. Exposure to ultraviolet light, especially sunlight, must be minimised to prevent quality loss through oxidation.
- Spills & Disposals:** All spills will result in potentially hazardous slippery surfaces and should be dealt with promptly. Transfer spilled oil into non-porous containers of suitable strength. Clean up small spills with sand, diatomaceous earth, soda ash or other non-combustible absorbent material. Load absorbent/oil mixture into containers for disposal. Residual oil should be removed with (preferably alkaline) detergent in soft water. Insoluble deposits may form with hard or salty water. Do not allow oil to contaminate waste water, drains, streams or other natural water courses. Dispose as per local waste disposal regulations. Launder clothing to remove oil. Note that spontaneous combustion may occur in piles of oil-soaked rags, cotton, waste paper and the like especially if held at elevated temperatures.
- Fire Explosion Hazard:** Slight, when exposed to flame or very high temperatures. Incompatible with strong oxidising agents such as chlorine & organic peroxides. Burning will produce dense smoke, acrid gases & acrolein.
- Fire Fighting:** CO2, BCF, dry powder, foam.
- Persistence to Environment:** Biodegradable by micro-organisms with adequate oxygen & time.
- Other Information:** Always work safely around the open hatches of bulk tanks as the low density and relatively high viscosity of liquid oils makes flotation difficult for an immersed person.

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**MSDS Date:** 22/09/2014

**End of MSDS**

