

---

## Product Description

Eco Fix Oil Chainsaw Bar Oil is an all-natural, plant-based, and biodegradable saw blade lubricant. It is formulated to provide superior lubricity and shear resistance without the need for traditional chemical additives found in petroleum oils. Its composition is gentle on the skin, reducing the risk of irritation for operators and mechanics.

## Typical Characteristics & Key Features

- **Product:** Eco Fix Oil Chainsaw Bar Oil - Food Grade
- **Approval:** New Zealand MPI approved for food-grade use (C15 & C26), making it suitable for use in environments where food contact is a concern.
- **Performance:**
  - **Lubricity:** Better than traditional petroleum oils, ensuring a longer service life for machinery.
  - **Shear Resistance:** Offers high resistance to shearing forces, maintaining its protective film under high-load applications.
  - **Inhalation Safety:** Higher flash point and lower vapor pressure reduce the risk of inhaling harmful fumes.
  - **Skin Safety:** Formulation similar to human skin oil, which helps to reduce skin irritation and eczema.
- **Proprietary Technology:** A unique production process creates a molecularly polarized lubricating oil that naturally adheres to metal friction surfaces, eliminating the need for thickeners and other chemical additives.

## Applications

This product is designed for use in professional and home applications to lubricate the moving parts of equipment, specifically **chainsaw bars and chains**, and **various saws in Sawmill applications**. Due to its food-grade approval, it can be used in the manufacture of food stuffs containers and in the production of woodchip for food smoking. It is trusted by loggers for use on harvester chains and by individuals for general cutting tasks.

## Technical Specifications

Flash Point - 210 °C

Boiling Point (760 mm Hg) - >200 °C

Volatiles (% by Volume) - <2

Specific Gravity (H<sub>2</sub>O=1) - 0.88

Solubility in H<sub>2</sub>O (% by Volume) - Insoluble

Vapor Pressure (mm Hg) - <2

Evaporation Rate (Butyl Acetate=1) - <1

Vapor Density (Air=1) - >1

Appearance and Odor - Pale yellow liquid, mild odor

REFER TO MATERIAL SAFETY DATA SHEET FOR PRODUCT SAFETY DETAILS.

---

## DISCLAIMER:

All information on this data sheet is based on testing by Ecofixoil Limited. All products should be tested for suitability on a particular application prior to actual use. Ecofixoil Limited makes no representations or warranties of any kind concerning this data.