

# LUBRITHERM® ALL-TEMP BIODEGRADABLE HYDRAULIC FLUID

## THE RISKS OF DIETHYLENE GLYCOL IN HYDRAULIC FLUIDS

Diethylene glycol, once a common component in standard hydraulic fluids, carries significant health risks. Exposure can adversely affect the blood, kidneys, nervous system, and liver. Symptoms of its acute toxicity include nausea, headaches, vomiting, potential cardiovascular collapse, and even brain damage. As stated on the Health Canada website in January 2012: "There are ample case reports on diethylene glycol poisoning, categorizing it under the CPR criteria for acute toxicity, specifically Class D1B."

**Furthermore, hydraulic fluids containing diethylene glycol present several operational and environmental drawbacks:**

- They offer subpar lubrication and exhibit reduced film strength.
- They cannot sustain the same pressure levels as oil-based hydraulics.
- Their environmental footprint is concerning, necessitating specialized disposal methods akin to oil-based hydraulic fluids.
- These fluids are also flammable when exposed to open flames or sparks.

**The Superiority of Lubritherm® Hydraulic Fluid:**

- Enhanced performance, boasting a remarkable 10-year service life.
- Fire-resistance, showcasing outstanding performance even under extreme temperature and pressure conditions.
- Eco-friendliness, posing no harm upon release into the environment, whether it be water, soil, or sewers.
- Certification from Environment Canada for its eco-friendly composition.
- An innate ability to deter bacterial growth by eliminating their oil-based food source.
- Full compatibility with standard hydraulic seals and metals, ensuring user-friendliness.

Lubritherm® Hydraulic fluid sets a new standard by being entirely free from diethylene glycol.

Proudly part of the All-SAFE™ product range.