

SAFE LUBE™

Industrial Lubricants & Metalworking Fluids



GEMTEK®
Products

SAFE LUBE™

Industrial Lubricants

Setting new
operating standards
with plant-based
industrial lubricants
and metalworking
fluids that are safe
for people and
the environment.



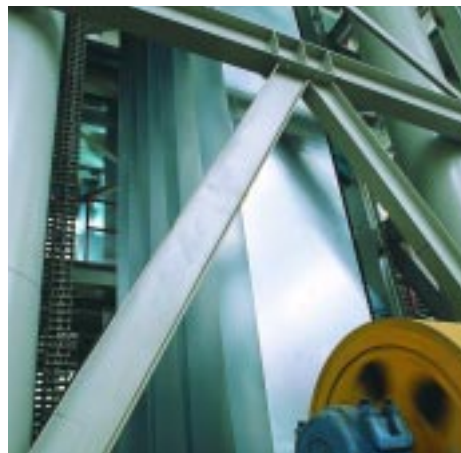
Members of the
Biobased Manufacturers Association

SAFE LUBE™ industrial lubricants provide an alternative for environmentally responsible companies who appreciate and understand the need to use renewable plant-based resources.

The new SAFE LUBE™ product formulations rely on state-of-the-art botanical additives and vegetable base oils to create safe and effective alternatives to hazardous petroleum-based products. SAFE LUBE™ products do not contain petroleum, sulfur, chlorine, synthetics or heavy metals known to be harmful to people and the environment.

This new biobased technology unlocks the inherent benefits of naturally renewable

SAFE LUBE™ products may be used for reduction rolling.



SAFE LUBE™ Hydraulic Fluid may be used in earth-moving equipment

plant-based resources to create lubricants with superior performance, which can replace petroleum or synthetic products in virtually any application without changing equipment or procedures.

SAFE LUBE™ products rely upon the proven advan-

tages of fatty acid esters mixed with degummed soy or Canola base oils with zero hydrocarbon additives.

The key advantage of using SAFE LUBE™ products are improved life cycle maintenance of equipment, parts, and surfaces. SAFE LUBE™ products actually have a longer fluid life with improved tool performance.

SAFE LUBE™ products are:

- Aquatically non-toxic: Safe for people
- Readily biodegradable: Safe for the environment
- Contain no VOCs: Safe for the workplace

SAFE LUBE™ advantages include:

- Anti-oxidant properties extend life of metals, seals, and gaskets.
- Botanical additives provide superior anti-wear properties extending parts life
- Higher heat tolerance with more stable viscosity
- Higher flash points
- Contains no halogens, metals or toxic compounds
- Not reportable under SARA, TSCA or RCRA

SAFE LUBE™

Metalworking Fluids

The new **SAFE LUBE™** metalworking fluids represent state-of-the-art botanical technology for all types of metalworking applications with-



SAFE LUBE™ products may be used in steel manufacturing

out the use of toxic, hazardous chemicals. **SAFE LUBE™** metalworking fluids are readily biodegradable (US EPA 560/6-82-003), non-toxic and free of Volatile Organic Carbons (VOCs). By using **SAFE LUBE™**

products, you reduce or eliminate skin and lung

irritation, creating a user-friendly workplace. Disposal costs and penalty fees for spills are dramatically reduced or eliminated by using **SAFE LUBE™** products.

SAFE LUBE™ metalworking fluids replace the need to use traditional chlorine, sulfur or other extreme-pressure additives. **SAFE LUBE™** metalworking fluids utilize a unique reaction of 100% botanical components, which provide equal or better performance than extreme-pressure additives. Further, the new metalworking fluids are 100% water-soluble (no emulsifiers) and resolve most cleaning problems. The development of these new botanical additives allows **SAFE LUBE™** to formulate "load carrying"

capability into individual products for specific applications while optimizing performance.

SAFE LUBE™ metalworking fluids can be used for most metal alloys including carbon steel, copper, brass, high alloy stainless, cast iron, aluminum, and all strategic aircraft metals.

SAFE LUBE™ metalworking fluids may be sprayed, wiped, dipped or brushed on and used for most industrial applications.

Metalworking Applications:

- Fabricating
- Forming
- Stamping
- Cutting
- Turning
- Milling
- Bending
- Rolling
- Burnishing
- Punching
- Reaming
- Sheering
- Drawing
- Sawing
- Extruding
- Grinding

SAFE LUBE™ Wire Rope is safe to use over waterways.



SAFE LUBE™ PRODUCTS DO NOT CONTAIN:

- Petroleum fractions
- Sulfur
- Chlorine
- Synthetics
- Heavy metals

SAFE LUBE™ PRODUCTS ARE:

- Non-toxic
- Non-carcinogenic
- Non-reactive to skin
- Readily biodegradable
- Derived from renewable resources
- Safe to use, store & dispose of
- Compatible with all metals

SAFE LUBE™ INDUSTRIAL LUBRICANTS:

- SL-Hydraulic Fluids – 32, 46, 68
- SL-Gear Lube – 90, 150
- SL-Bar, Chain and GP Oil
- SL-Wire Rope, Film Forming
- SL-Wire Rope, Non-Drying
- SL-Way Lube – 15, 32, 46, 68

SAFE LUBE™ METALWORKING FLUIDS:

- SL-Cutting & Forming Fluid - NF
- SL-Cutting Fluids – FE & TD
- SL-Tapping Fluid
- SL-Grinding Fluid
- SL-Forming Fluids – VO, PS, MO & HD
- SL-Rolling Fluid



INDUSTRY APPLICATIONS

INDUSTRIAL

- Metalworking
- Manufacturing
- Process Cleaning
- Facilities Maintenance

TRANSPORTATION

- Aviation
- Marine
- Rail/Bus
- Trucking
- Automotive

FOOD PROCESS

- Food Process Cleaning
- Meat, Poultry, and Fish Processing
- Egg Processing
- Dairy Product Processing
- Beverage Production

AGRICULTURAL

- Irrigation Cleaner
- Root Stimulator
- Soil Remediation
- Equipment Cleaning

PETROLEUM

- Oil Spill Recovery
- Soil Remediation
- Equipment and Rig Maintenance
- Cooling Pond Clarification
- Terminal and Production Facility Maintenance

GOVERNMENT

- Military
- Department of the Interior
- Department of Energy
- National Parks & Recreation



Safely Cleaning Planet Earth®