

# ***SAFE LUBE***<sup>TM</sup>

***Industrial Lubricants & Metalworking Fluids***



***GEMTEK***<sup>®</sup>  
***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™ 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™ products may be used for reduction rolling.





# 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 | ■ Burnishing |
| ■ Forming     | ■ Punching   |
| ■ Stamping    | ■ Reaming    |
| ■ Cutting     | ■ Sheering   |
| ■ Turning     | ■ Drawing    |
| ■ Milling     | ■ Sawing     |
| ■ Bending     | ■ Extruding  |
| ■ Rolling     | ■ 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

**GEMTEK®**  
*P r o d u c t s*

*S a f e l y   C l e a n i n g   P l a n e t   E a r t h ®*

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