



**Penetrating
Lubricant**

WISE Penetrating Lubricant (WPL) is a specially formulated, Ultimately Biodegradable¹ penetrant that can be used as a light lubricant. Because of the super high viscosity index of the stabilized base stock*, this product performs in many applications. WPL's patented composition of additives and base fluids provides a protective, thin film lubricant. This natural film has shown in laboratory and field tests to out perform petroleum base oils in terms of natural lubricity.

WPL is formulated to penetrate into close tolerant areas, then lubricate, and prevent corrosion. WPL's ability to creep is demonstrated by placing a bolt on its head with WPL in the bottom of a lab beaker; WPL flows vertically up the threads. It protects deep into the core of a cable or chain link and is excellent as a light air tool lubricant and preservative oil for parts. This product delivers exceptional advantages over petroleum oils as they eliminate the danger of polluting the water, soil, or work environment through loss of the lubricant.

This product is based on a proprietary and patented anti-oxidant, anti-wear, and cold flow technology. Base stocks are non-GMO agricultural vegetable oils. This technology provides high performance even in high and low temperature applications, reducing oil thickening and deposits.

Applications

Marine | Industrial | Agricultural | Transportation | Sports | Household | Garage

| | | | |
|-------|----------------|------------|-----------|
| Tools | Machine Tools | Bearings | Bolts |
| Jacks | Assembly Parts | Wire ropes | Chains |
| Dies | Shafts | Hinges | Firearms |
| Locks | Linkage Cables | Air Valves | Air Tools |

**Typical
Performance Data**

| | |
|--|---------------|
| Specific Gravity @60°F. ASTM D-287 | .88 |
| Viscosity @40°C., cSt. ASTM D-445 | 15.4 |
| Flash Point, PMCC ASTM D-93 | 295°F (146°C) |
| Pour Point (Rotational) ASTM D-5985 | -30°C |
| Four Ball Wear ASTM D-2266 | .40 mm |
| Copper Corrosion Prevention ASTM D-130 | 1A |
| Rust Prevention ASTM D-665 | |
| Distilled Water | Pass-Clean |
| Synthetic Sea Water | Pass-Clean |

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¹ Ultimate Biodegradation (Pw1) within 28 days in ASTM D-5864 Aerobic Aquatic Biodegradation of Lubricants.

To Order

Fax to 831-728-1753 or call 800-491-9473 for Customer Service
Visit www.wisesolutions.net or Email sales@wisesolutions.net

**Available Size
Container**

Quantity (min.)

| 8 oz. Spray | 11 oz. Aerosol | 1 gal. Bottle | 5 gal. Pail | 55 gal. Drum | 330 gal. Tote |
|-----------------------|--------------------------|-------------------------|-----------------------|------------------------|-------------------------|
| | | | | | |



**Penetrating
Lubricants**

(WPL) – Continued

**WPL Plus
Tack (Lubricant
and Corrosion
Inhibitor)**

**WPL Plus Moly
+ Tack (Chain &
Cable Lubricant)**

**WPL Plus Moly
(Chain & Cable
Lubricant)**

**WPL Food
Grade
(NSF H1, H2)**

WPL Modified

To Order

Available Size
Container

Type / Quantity (min.)

WISE Penetrating Lubricant is a product that everyone needs. It performs as a penetrant, but best of all, it is a multi-functional product. WPL is an excellent lubricant, ASTM D-2266 4 ball wear .40 mm scar wear, and passes clean (no rust) on ASTM D-665 both A and B corrosion test. WPL product applications include corrosion inhibitor/preservative oil for outside applications or in the inner plant production work area for protecting parts. Because it lubricates, it can be used for metalworking, fabricating, assembly oils and to protect dies and molds from corrosion and wear. Another area includes chain and cable lubrication – it penetrates deep into the inner core of the cable or chain link, preventing rust and wear. It has the right formulation to be an excellent, light air tool oil and spindle oil for high speeds. WPL can be used to protect guns and tools (passes salt water corrosion protection ASTM D-665) and it tests excellent on yellow metals (passes copper strip corrosion ASTM D-130 test 1A). The advantages are many: biodegradable, renewable, low toxicity, low volatility, which makes it safer than competing multi-purpose lubricants, helps support local farming, secures the domestic economy (reducing dependence on foreign oil), all with superior product performance.

Additional WISE Penetrating Lubricant products to meet your environmental, health and performance needs:

The addition of a food grade tackifier provides adhesiveness to the performance of bio-penetrating lubricant (WPL). Some applications and environmental conditions may require an additional tacky surface film that protects equipment from corrosion. The tackifier added to WPL helps meet this requirement and also holds the lubricant to the surface of moving parts and improves anti-wear.

WPL Plus Moly and Tackifier has performance advantages in some applications such as high speed roller chains, cables, and moving parts. This product penetrates rapidly and adheres to the application, forming a lubricating film that cannot be wiped away by extreme pressures and high speeds. It protects metal surfaces from rust and corrosion that are exposed to environmental conditions. The molybdenum disulfide (Moly) provides an extreme pressure lubricant that reduces friction and wear.

A specially formulated, Penetrating Lubricant that provides a protective molybdenum disulfide (Moly) film to sliding surfaces, but is more resistant to dust and dirt than the WPL products with tackifier.



Nonfood Compounds
Program Listed (H1, H2)
(Registration #140524)

WPL Food Grade is specially formulated and packaged for use as a food grade lubricant, listed in 21 CFR 178.3570, lubricants for incidental food contact (H1/H2).

Additive composition and surface tension of WPL can be modified for special customer's needs. WPL Modified products are used for metalworking, fabricating, corrosion inhibitors/preservative oils, etc.

Replace your WD-40 and LPS with WISE Solutions Penetrating Lubricant!

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| 11 oz. Aerosol | 1 gal. Bottle | 5 gal. Pail | 55 gal. Drum | 330 gal. Tote |
|--------------------------|-------------------------|-----------------------|------------------------|-------------------------|
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