



*The Oldest and Leading Custom Loaders of Aerosol Specialties*

**No. 711 PENETRANT-LUBRICANT, CORROSION INHIBITOR, DEMOISTURANT**

No. 711 has been specifically developed as an ultra-thin, transparent blend of high quality petroleum distillates formulated to ensure maximum moisture displacing characteristics when used on electrical wiring, circuitry, automotive ignition systems and all metal surfaces. The ultra-thin film of this product resists collection of abrasive particles on delicate electrical contacts and connections.

"Spreadability" is the key factor in making this product an excellent penetrating fluid to free parts and mechanisms frozen due to corrosion.

**Typical applications:**

1. Electrical connectors and relays.
2. Circuitry.
3. Communication systems.
4. Ignition systems.
5. Dries out wet electrical systems.
6. Lubricates all metal-to-metal parts.
7. Complete protection against corrosion attack on all metal surfaces.
8. Frees rusted parts.

**Technical Information:**

Appearance: Clear, Pale Yellow  
API Gravity @ 60°F: 43.0  
Specific Gravity: 0.811  
% Non-Volatile: 25%  
% Volatile: 75%  
Viscosity, cs @ 100°F: 2.00

Flash Fire, COC, °F: 125/125  
Pour Point, °F: -80°  
Boiling Point, °F: 240°  
Dielectric Strength: 33 KV min./0.1" gap  
(ASTM D-877)  
Lubricity, Falex Step Test: Pass 500 lbs.  
Film Thickness, mils (0.001"): 0.2

No. 711 will not affect plastic, rubber, fabrics or painted surfaces. Contains no silicone. This product is available in 16-ounce aerosol cans, 12 cans per case. Also available in 1-gallon cans, 5 and 55-gallon containers.

For applications that require prolonged protection against corrosive environments, refer to our PDRP® brand name products.

No. 711 Penetrant-Lubricant, Corrosion Inhibitor, Demoisturant is guaranteed for one year from date of manufacture against any defect in material or workmanship.

**Note:** Technical specifications and laboratory results on this product are available. Refer to Product Information sheet No. 711-B.

No. 711-A

# Penetrating Oils/Rust Preventatives/Lubricants

**711 Penetrant Lubricant** is a superior combination of high-quality petroleum distillates which acts quickly, penetrates deeply and leaves behind a long-lasting, ultra-thin protective film. 711 actually performs four jobs effectively ... it "frees up" corroded parts and mechanisms, drives out moisture, lubricates and provides long-term corrosion protection. It need not be removed from parts, dies, components prior to assembly or production.

It is harmless to plastic, rubber, fabrics or painted surfaces. Contains no silicones. New valve sprays when held in any position.

Available in aerosols, 1-gallon, 5-gallon, 55-gallon drums.

**USES:** Electrical connectors, relays, circuit breakers, controls, communication assemblies, bus bars, guide rails, generators, instruments, tooling, hand tools, motors, oscillators, ignitions, transformers, transmitters, gears, machine tools, weapons, sporting goods, many automotive applications, production equipment of all kinds.



**PORP** products feature extremely low surface tension — much lower than that of water. This permits PORP to force its way under water (between it and metal surfaces) to effectively displace moisture. High capillary action causes rapid, wide dispersion. In the process a thin molecular film is formed which effectively seals out both water and oxygen. The film is remarkably durable and actually expands and contracts with the metal.

PORP materials are available in aerosols, 1-gallon, 5-gallon, 55-gallon drums.

PORP has a great affinity for metals ... penetrates the smallest invisible openings, including the tiny pores of metal grain.

**USES:** PORP No. 706 meets specification Mil-C-81309 for short-term total rust prevention. Plated and painted surfaces, armatures, commutators, tools, dies, assemblies, in-process parts, engines, generators, military and aerospace equipment.

PORP No. 707 meets specification Mil-C-23411 for heavier duty short-term rust prevention. Plated, painted, metal surfaces; locks, hinges, threads, marine engines, submerged electrical receptacles, in-process parts, sub-assemblies.

PORP No. 710 (a product similar to Cosmoline) meets specification Mil-C-16173 D Grade IV for rugged, long-term outdoor or salt water protection. External surfaces of machines, machine tools, internal combustion engines, fabricated parts, tubings and stampings, tools, dies, outdoor electric systems, aircraft cargo pits and landing gear.



**NOTE:** These are the differences between 711 and PORP products.

711 provides an ultra-thin film for light-duty applications. (Clear film). PORP offers a heavier film for heavy-duty applications. (Amber film). In most cases 711 need not be cleaned from parts before further processing. In some cases PORP film must be removed with petroleum solvents.



Bulk spray applicator for use with 1-gallon, 5-gallon, 55-gallon bulk PORP and 711.

This is a special light oil for rapid release of rusted and corroded parts. It has wide application in maintenance and production operations. Low surface tension permits complete penetration. Jet-stream delivery gives pinpoint control, eliminating waste by assuring saturation coverage of working area only.

Ideal for lubrication of light-fitting parts. Will not harm painted surfaces. May be safely applied on or near moving parts as it can accurately be directed from a distance of two feet. Second application is necessary only in extreme conditions. Easy to carry to or from the job.

**USES:** Release of rusted or frozen lugs, bolts, screws, fasteners and metal components; lubrication of light-fitting parts; general overhaul or repair work, light lubrication of locks, hinges, tools.

