

DPL® Deep Penetrating Lubricant

Product# ES1626

Product Description

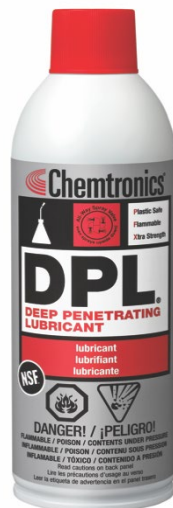
DPL® Deep Penetrating Lubricant is specially engineered to clean, displace moisture, inhibit corrosion, reduce friction and protect metal surfaces in one easy step. Formulated to provide long-lasting protection and improved performance to electrical and electronic contacts, DPL Lubricant is the extra-strength multi-purpose lubricant that provides a long-lasting film that protects metals from corrosion under the most extreme conditions. DPL Lubricant is registered with the NSF as an H2 lubricant for use in and around food processing areas.

- Cleans, protects, and lubricates all electrical and electronic switches, contacts, relays, plugs, and sockets
- Can be used in applications exposed to extreme weather conditions
- Displaces moisture from electrical and electronic components
- NSF H2 Registered
- Minimizes friction and metal wear
- Excellent corrosion protection under high humidity and salt spray conditions
- Loosens rusted cabinets and hinges
- Works on most metals, even aluminum
- Contains special corrosion inhibitors for long-term protection

Typical Applications

DPL Lubricant effectively cleans and lubricates:

- Electrical and electronic contacts
- Potentiometers and rheostats
- Solenoids
- Electrical equipment
- Meters and test equipment
- Controllers
- Motors, generators and compressors
- Bearings, chains, cables, pulleys and gear drives



Typical Product Data and Physical Properties

Solubility in Water:	Negligible
Boiling Point:	500°F / 260°C Initial
Flash Point (TCC):	280°F / 138°C
Specific Gravity:	0.83
Vapor Pressure @68°F	<0.01 mmHg
Appearance	Light amber liquid
Odor	Mild
Evaporation Rate: (butyl acetate =1)	<1
Dielectric Breakdown: (ASTM D-877)	43 kV
VOC* Content	
CARB	0%
SCAQMD	0 g/L
Federal	0%
Kauri-Butanol (KB) Number	23.8
Shelflife	5 years
NSF Registered H2:	#139464
RoHS Compliant	Yes

*Volatile Organic Compound (VOC) information is calculated on a weight basis using the VOC definition of California Air Resources Board (CARB) Consumer Product Regulations, South Coast Air Quality Management District (SCAQMD) Rule 102 and the Federal definition published in 40 CFR 51.100(s).

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Compatibility

DPL Deep Penetrating Lubricant is generally compatible with most materials used in electrical and electronic assemblies. As with any chemical, compatibility should be checked on a non-critical area prior to use.

Material	Compatibility
ABS	Excellent
Buna-N	Excellent
EPDM	Excellent
Graphite	Excellent
HDPE	Excellent
LDPE	Excellent
Lexan	Excellent
Neoprene	Excellent
Nylon 66	Excellent
Cross-Linked PE	Excellent
Polypropylene	Excellent
Polystyrene	Excellent
PVC	Excellent
Silicone Rubber	Excellent
Teflon	Excellent

Performance

Rust/Corrosion Protection (ASTM B 117-95)

DPL Deep Penetrating Lubricant:

1000 hrs / 100% RH at 120° F

Commercial benchmark:

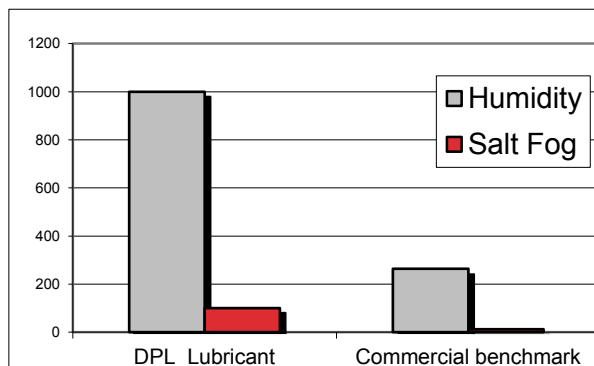
264 hrs / 100% RH at 120° F 5

DPL Deep Penetrating Lubricant:

100 hrs / 100% RH w/ 5% salt at 95° F

Commercial benchmark:

12 hrs / 100% RH w/ 5% salt at 95° F



Usage Instructions

For industrial use only. Read SDS carefully prior to use.

Shake before using. Spray 4-6 inches from surface to be lubricated or protected. For precise application use attached extension tube.

Availability

ES1626 11 oz. / 322 g Aerosol

Environmental Impact Data

HCFC	0.0%
HFC	0.0%
VOC	0.0%
nPB	0.0%

Hydrochlorofluorocarbons (HCFCs) are regulated under the Montreal Protocol as Class II ozone depleting substances. HCFC-141b is no longer produced in the US under this legislation. HCFC-225 is planned for production phase-out in 2015. Hydrofluorocarbons (HFCs) are not currently regulated.

EPA has listed n-propyl bromide (nPB) as an acceptable alternative to ozone depleting substances in metal, precision, and electronics cleaning under Section 612 of the Clean Air Act.

Technical and Application Assistance

Chemtronics provides a technical hotline to answer your technical and application related questions.

The toll free number is: 1-800-TECH-401.

Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. CHEMTRONICS does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.