



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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CHEMTRONICS

Technical Data Sheet

TDS # 1626

DPL[®] Lubricant

Deep Penetrating Lubricant

PRODUCT DESCRIPTION

DPL[®] 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

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

*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)

COMPATIBILITY

DPL[®] 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.

<u>Material</u>	<u>Compatibility</u>
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

AVAILABILITY

ES1626 11 oz. Aerosol

TECHNICAL & APPLICATION ASSISTANCE

Chemtronics provides a technical hotline to answer your technical and application related questions. The toll free number is: **1-800-TECH-401**.

ENVIRONMENTAL IMPACT DATA

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HCFC	0.0%	VOC	0.0%
HFC	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.

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.

CHEMTRONICS

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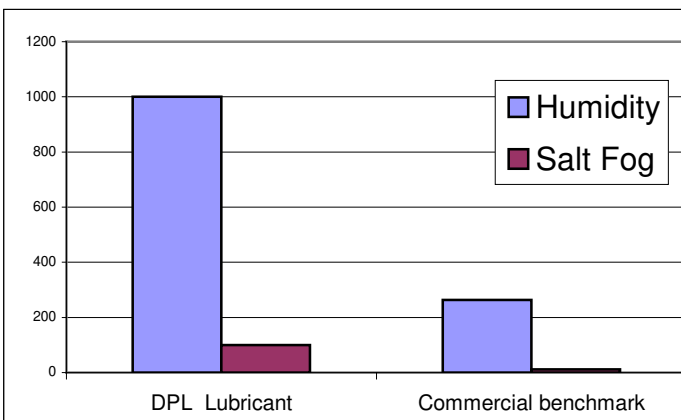
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Performance

Rust/Corrosion Protection (ASTM B 117-95)

DPL® Lubricant	1000 hrs / 100% RH at 120° F
Commercial benchmark	264 hrs / 100% RH at 120° F
DPL® 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 commercial use only.

Read MSDS 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.

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