

# DeoxIT<sup>®</sup> D100L, D-Series Liquid (100%)

## Contact Rejuvenator, Lubricant and Protectant

### 1. Part Nos.:

Part No.	% DeoxIT	Container	Size	Flammable/Nonflammable
D100L-2C	100%	squeeze tube	2 mL	nonflammable
D100P	100%	pen	6 mL	nonflammable
D100L-P6C	100%	oiler pen	6 mL	nonflammable
D50W	100%	wipes	50 count	nonflammable
K-D1W	100%	wipes	1 count	nonflammable
K-D1W-25	100%	wipes	25 count	nonflammable
K-D1W-50	100%	wipes	50 count	nonflammable
D1W-100	100%	wipes	100 count	nonflammable
D100L-16BX	100%	brush	1.6 mL	nonflammable
D100L-2DB	100%	brush	7.4 mL	nonflammable
D100L-25C	100%	needle dispenser	25 mL	nonflammable
D100L-SWP10	100%	swabs	10 each	nonflammable
D100L-2	100%	bottle	59 mL	nonflammable
D100L-12	100%	bottle	354 mL	nonflammable
D100L-32	100%	bottle	944 mL	nonflammable



### 2. Formulation:

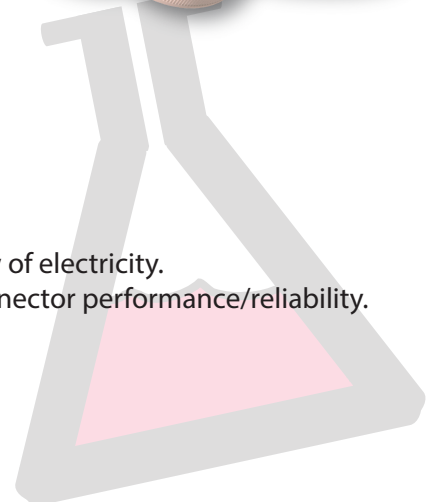
100% DeoxIT<sup>®</sup> D100L, D-Series



### 3. Product Description:

Unique contact treatment, rejuvenator, conductivity enhancer and lubricant. Removes oxidation and corrosion on metal surfaces. Fills in microscopic gaps and reseals surface for better contact to enhance flow of electricity. Chemically improves metal-to-metal connections and contacts. Improves connector performance/reliability. Temperature\* range: -34 to +200°C.

\* **NOTE:** Temperature ranges may vary depending on conditions. On critical applications, independent testing is highly recommended.





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#### 4. Features/Benefits:

**100% Liquid, Safe on plastics.**

DeoxIT® D100L concentrate has approximately 20% chemical deoxidizing action.

Excellent deoxidizing, good protection, no ozone depletion.

Improves conductivity and reduces intermittent connections.

Reduces arcing, RFI, wear and abrasion.

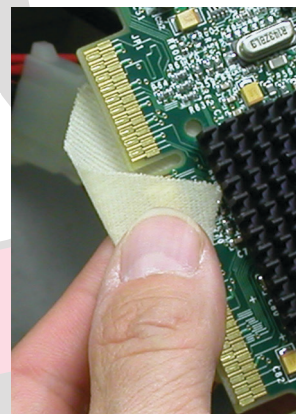
**Cleaner Audio - Clearer Video - Reliable Data.**

#### 5. Which DeoxIT® product do I Use:

- ▶ Use **DeoxIT® D-Series** contact treatment on surfaces that have been in service or have visual signs of oxidation. Contains 20% active deoxidizer.
- ▶ Use **DeoxIT® Gold G-Series** conditioner on new surfaces, and gold plated surfaces. Ideal for preventing dendrite/fretting corrosion. Protects both surface and base metals. Ideal for critical applications. Contains >1% active deoxidizer.
- ▶ Use **DeoxIT® Shield S-Series** to protect surfaces from severe environments (humidity, salts, pollutants, sulfur, etc.). Use on clean surface. Contains 0% active deoxidizer.

#### 6. Directions for Use:

1. Turn off, unplug the device.
2. Select the applicator (pen, wipes, needle, etc.) that is best for your application, see #8 below. Apply a small amount to the metal contact/connector surface.
3. Operate the part/device to help break up oxides and contamination. Wait a few minutes, then wipe off surface with clean lint-free cloth or swab to remove oxidation and contamination.
4. Re-apply DeoxIT® to metal surface and wipe off excess. **It is important to wipe off excess**, DeoxIT® works best when a thin coating is on metal surfaces. Wait two minutes before turning on equipment. **Test for compatibility before use.**
5. In extreme cases (severe oxidation or corrosion), you may need to leave DeoxIT® on overnight. If that is necessary; apply, then the following day remove any contaminants lifted by DeoxIT® with a lint free swab or cloth on accessible surfaces (If surface is not accessible, repeat step two above.). When surface is deoxidized (no residue on the swab/cloth), finish with a short burst of DeoxIT®, then remove excess leaving a thin layer.
6. If you notice a green or black coloration on the surface (may take a few days) after applying DeoxIT®, this indicates dissolved oxidation (surface was severely oxidized). Follow step "2-5" above one more time.
7. **For extended protection:** After surface is deoxidized, apply DeoxIT® Gold G-Series for indoor applications or DeoxIT® Shield S-Series for outdoor applications.
8. **Applicators:**
  - a) **Squeeze Tube** (#D100L-2C): Used by OEMs for maintenance kits. Provides small drop to surface.
  - b) **Pen - felt tip** (#D100P): Precision application, slight abrasive action. Provides liquid through felt tips. Replacement tips available.
  - c) **Oiler Pen** (#D100L-P6C): Very precise application of fluid. Provides pin-point application of liquid. Ideal for hard to reach applications.
  - d) **Oiler Squeeze Bottle** (#D100L-25C): Similar to Oiler Pen, except in squeeze bottle.
  - e) **Wipes** (#K-D1W-25 and K-D1W-50): Individual packaged wipes (thin paper material). For connections easily accessible and smooth surfaces, i.e. audio/





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video connections, batteries, etc.

- f) **Wipes** (#K-D50W): Jar with 50 wipes (thick cotton material). For connections easily accessible accessible and smooth and irregular surfaces, i.e. edge connectors, industrial connections.
  - g) **Brush** (#D100L-2DB): Small 7.4 mL bottle with brush applicator. General purpose for applying liquid with a nylon brush. Ideal for applying to outer and inner surface with wiping action. Care should be taken to keep brush clean.
  - h) **Bulk Bottles** (#D100L-2, D100L-12, D100L-32): For production applications. Contact CAIG for information.
9. **NOTE:** For Field Service use, see Bulletin "Field Service 9-1-1" (<http://store.caig.com/s.nl/it.l/id.56/f>).  
For Manufacturing/OEMs see Bulletin "Manufactruing/OEM 9-1-1" (<http://store.caig.com/s.nl/it.l/id.61/f>)



### 7. Other Applicators:

Part No.	% DeoxIT®	VOC (%)	Applicator	Size	Flammable/Nonflammable
D5S-6	5%	75%	spray	142 g	flammable
DN5S-6N	5%	0%	spray	163 g	nonflammable
DN5S-2N	5%	0%	mini-spray	14 g	nonflammable
D100S-2	100%	0%	spray	57g	nonflammable
D5L-A (bulk)	5%	75%	bottle/drum	assort.	flammable

### 8. DeoxIT® Essential Reference:

**DeoxIT® D-Series** - Brings old systems back to life!

**DeoxIT® Gold G-Series** - Maintains new system performance!

**DeoxIT® Shield S-Series** - Maintains new system performance for severe environments!

**DeoxIT® Fader F-Series** - Lubricate & protect conductive plastic and carbon compound faders!

### 9. Product Selection Guides:

#### DeoxIT® - Product Selection Guide

	DeoxIT®	DeoxIT® GOLD	DeoxIT® GOLD 6x1	DeoxIT® GOLD 6x2	DeoxIT® SHIELD	DeoxIT® FaderLube
New Surfaces		✓	✓	✓	✓	✓
* In Service / Used	✓					✓
Gold surfaces		✓	✓	✓		
Oxidation / corrosion visible	✓					
Conductive plastics						✓
** Outdoor / Severe environments	✓					✓
Deoxidizing / cleaning properties	20%	0.1%	0.1%	0.0%	0.0%	0.0%
Metal / Plastic surfaces	Yes	Yes	Yes	Yes	Yes	
Plastics compatibility	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Temperature range (°C)	-34/200	-45/240	-45/310	-45/500	-34/210	-26/150
Stationary & moving surfaces	Yes	Yes	Yes	Yes	Yes	Yes
Seals & protects base metals	Good	Excellent	Excellent	Excellent	Good	No

✓ All products are Nonflammable and RoHS Compliant

\* In Service: Clean with DeoxIT®. For added protection, follow with DeoxIT® GOLD (indoors), DeoxIT® SHIELD (outdoors) or DeoxIT® Grease (additional barrier).

\*\* Severe environments: Pre-clean with DeoxIT®. Follow with DeoxIT® SHIELD or DeoxIT® Grease.

#### DeoxIT® - Spray Selection Guide

Product Series	FP	QD	NF	PC	VOC
<b>Standard - 5% solution</b>	✓			✓	75% (588g/L)
D5S-6, D5MS-15, G5S-6, G5MS-15, S5S-6, S5MS-15, F5S-6, F5MS-15					
<b>N Series - 5% solution</b>		✓	✓	✓	0.0%
DN5S-6N, DN5S-2N, GN5S-6N, GN5S-2N, SN5S-6N, SN5S-2N					
<b>X Series - 5% solution</b>		✓	✓	✓	0.0%
GX5S-6N					
<b>100% Spray solution</b>			✓	✓	0.0%
D100S-2, G100S-2, F100S-L2					

FP = Flushing properties QD = Quick dry / non drip

NF = Nonflammable PC = Plastics compatibility VOC = VOC (%)





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### 10. Materials Compatibility (Plastics, Rubber, Elastomeric and Metals):

(Rating: Not compatible, Poor, Fair, Good, Excellent), (N/A = Not applicable (no solvents and propellants))

(\* If the product is not 100% DeoxIT® then the package is rated before and after the solvents/propellants are applied to materials. Compatibility testing is always recommended)

Material Name	Rating (*100% DeoxIT®)	Rating (*with solvents)
ABS	Excellent	N/A
Nylon	Excellent	N/A
Lexan	Excellent	N/A
HDPE	Good	N/A
LDPE	Good	N/A
C.E.Phenolic	Excellent	N/A
Epoxy	Excellent	N/A
Polycarbonate	Excellent	N/A
PMMA	Fair	N/A
POM	Excellent	N/A
PP	Excellent	N/A
PS	Fair	N/A
PTFE	Excellent	N/A
PVC	Excellent	N/A
TPE/Rubber/Varnish	Poor	N/A

#### IMPORTANT:

**Rating, 100% DeoxIT®:** Any of the above that fall into the "Fair" and "Poor" categories should be thoroughly tested for compatibility. They may be compatible, however, it will depend on the manufacturing process of the materials. Acrylics, ABS, and polycarbonate, if under stress, may show slight cracking or crazing damage. Test for compatibility before use. On porous materials; i.e. wood, rubber, cloth, some phenolics, semi-cured materials, no liquid or solvents should be used. Occasionally, DeoxIT® will get onto unwanted surfaces, quickly wipe off surface and usually no damage will occur.

### 11. Shipping and Additional Information:

Hazardous: No No Shipping Restrictions  
VOC (%): Part No. D100L, 100% No VOCs

### 12. Other Information:

RRoHS Compliant: YES

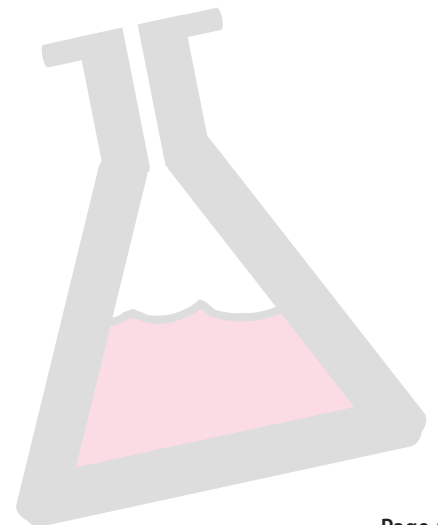


#### CAIG Laboratories, Inc.

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VOC Compliant:

**MSDS Link, D100L**

DeoxIT® Product Sheet:

CAIG Essential Guide:

WHY DeoxIT® is Different:

YES

<http://caig.com/material-safety-data-sheets/>

<http://caig.com/technical-data/>

<http://caig.com/product-literature/#toggle-id-1>

<http://caig.com/product-literature/#toggle-id-5>

### 13. MANUFACTURER DISCLAIMER:

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### 14. Contact Information:



**Website:** [www.caig.com](http://www.caig.com)  
[www.deoxit.com](http://www.deoxit.com)

**General email:** [info@caig.com](mailto:info@caig.com)

**Technical email:** [tech@caig.com](mailto:tech@caig.com)

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<http://store.caig.com/s.nl/sc.15/f>



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