CAIG® LABORATORIES, INC.



DATA SHEET Info

DeoxIT® D-Series D50W and D100W-3X3, WIPES (100%)

Contact Rejuvenator, Lubricant and Protectant

1. Part Nos.:

Part No.	% DeoxIT	Container	Size	Flammable/Nonflammable
D50W	100%	wipes	1.75 x 1.75"	nonflammable
D100W-3X3	100%	wipes	3.0 x 3.0"	nonflammable



2. Formulation:

100% DeoxIT® D100L, D-Series
Wipe material: 100% cotton
Abrasion Resistant,
Lint-Free Wipe, Excellent Bi-directional strength.

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.

4. Features/Benefits:

NO VOC's

RoHS COMPLIANT

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.

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

6. Directions for Use - for all types of applicators:

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 treated (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 treated, 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 maintenence 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/video connections, batteries, etc.
   f) **Wipes** (#D50W, D50FW, D100W-3X3, D100FW-3X3): Jar with wipes. 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.I/id.56/.f). For Manufacturing/OEMs see Bulletin "Manufactruing/OEM 9-1-1" (http://store.caig.com/s.nl/it.I/id.61/.f)



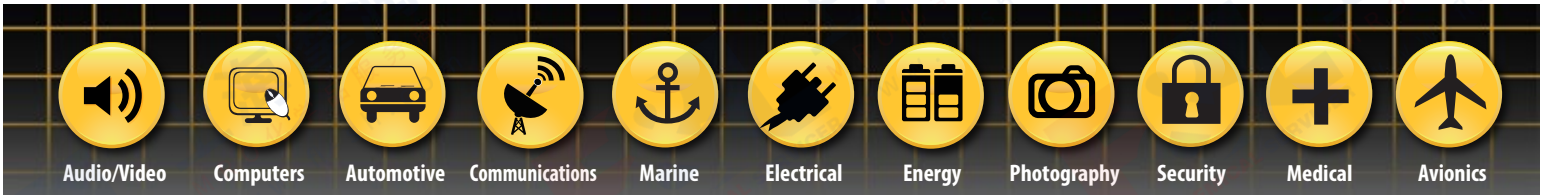












7. Other Applicators:

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

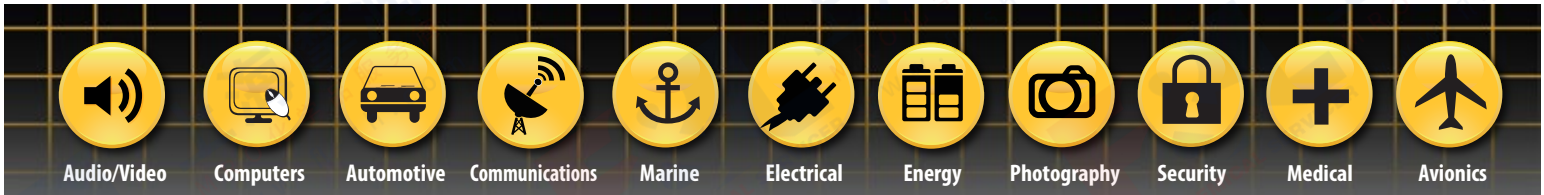
	DeoxIT® *D-Series*	DeoxIT® Gold *G-Series*	DeoxIT® Gold GxL *Gx-Series*	DeoxIT® Gold Gx2 *Gx2-Series*	DeoxIT® Shield *S-Series*	DeoxIT® Fader *F-Series*
New Surfaces		✔	✔	✔	✔	✔
* In Service / Used	✔					✔
Gold surfaces		✔	✔	✔		
Oxidation / corrosion visible	✔					
Conductive plastics						✔
** Outdoor / 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	-45/200	-45/240	-45/300	-34/210	-26/150
Stationary & moving surfaces	Yes	Yes	Yes	Yes	Yes	Yes
Seals & protects surface metal	Good	Excellent	Excellent	Excellent	Good	No
Seals & protects base metals	Fair	Excellent	Excellent	Excellent	Fair	No

✔ All products are Nonflammable and RoHs Compliant
* **In Service:** Clean with DeoxIT® D-Series. For added protection, follow with DeoxIT® Gold (indoors), DeoxIT® Shield (outdoors) or DeoxIT® Grease (additional barrier).

DeoxIT® - Spray Selection Guide

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

FP = Flushing properties QD = Quick dry / non drip
NF = Nonflammable PC = Plastics compatibility VOC = VOC (%)



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.

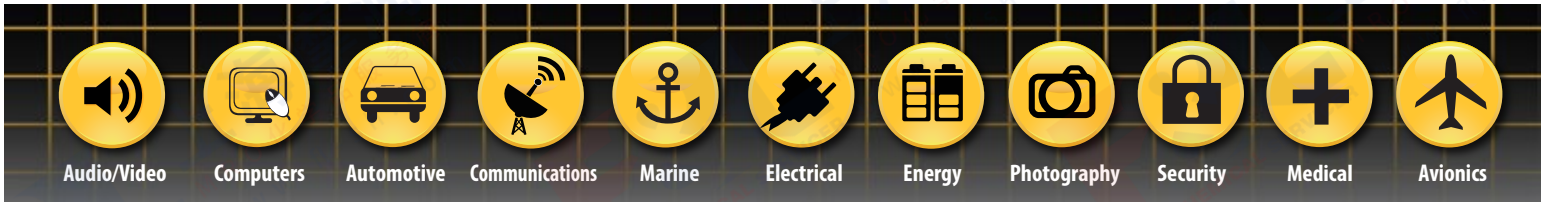
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11. Shipping and Additional Information:

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

12. Other Information:

RoHS Compliant:	YES
VOC Compliant:	YES
MSDS Link, D100L	http://caig.com/material-safety-data-sheets/
DeoxIT® Product Sheet:	http://caig.com/technical-data/
CAIG Essential Guide:	http://caig.com/product-literature/#toggle-id-1
WHY DeoxIT® is Different:	http://caig.com/product-literature/#toggle-id-5



13. MANUFACTURER DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. However, neither CAIG Laboratories, Inc., or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be used with caution. In particular, improper use of our products and their inappropriate combination with other products and substances may produce harmful results which cannot be anticipated. Final determination of the suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist. All service performed on internal parts and equipment should be provided by qualified technicians.

14. Contact Information:

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