

## DeoxIT<sup>®</sup> D100 Spray, D-Series Contact Rejuvenator, Lubricant and Protectant

### 1. Part No.:

D100S-2 (100% spray), with optional stainless steel optional extension tube (Part No. ACT-SS-20Z)

### 2. Container Size:

57 g (metered valve)



### 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:

**100% Spray, metered one shot valve - No Solvents, Non-Drip, Safe on plastics.**  
DeoxIT<sup>®</sup> 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. Formulation:

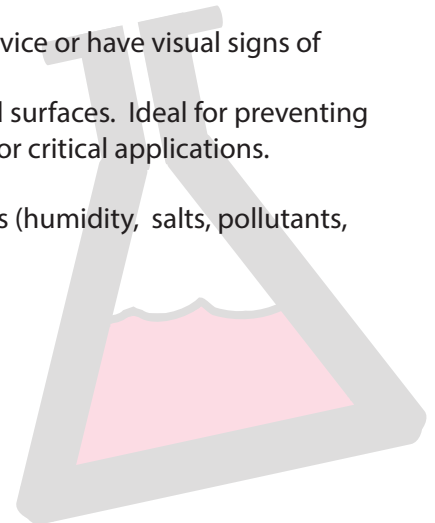
10-20%	DeoxIT <sup>®</sup> D100L
80-90%	1,1-DIFLUOROETHANE (R-152a), CAS 75-37-6



### 6. Which DeoxIT<sup>®</sup> product do I Use:

- ▶ Use **DeoxIT<sup>®</sup> D-Series** contact treatment on surfaces that have been in service or have visual signs of oxidation. Contains 20% active deoxidizer.
- ▶ Use **DeoxIT<sup>®</sup> 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<sup>®</sup> 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.





Audio/Video



Computers



Automotive



Communications



Marine



Electrical



Energy



Photography



Security



Medical



Avionics

### 7. Directions for Use:

1. Turn off, unplug the device.
2. Apply one short burst of DeoxIT® D-Series contact treatment to contact/connector surface. Operate the part/device to help break up oxides and contamination. Wait a few seconds, reapply one short burst. Wait two minutes before turning on equipment. Test for compatibility before use.
3. 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.
4. 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" above one more time.
5. **For extended protection:** After surface is deoxidized, apply DeoxIT® Gold G-Series for indoor applications or DeoxIT® Shield S-Series for outdoor applications.
6. **NOTE:** To prevent overspray or spraying in unwanted areas, you can always spray onto a lint-free swab or cloth first and then using the swab/cloth apply the DeoxIT® to the connector/contact surface(s).

### 8. 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	40 g	nonflammable
D100S-2	100%	0%	spray	57g	nonflammable
D100P	100%	0%	pen	6 mL	nonflammable
D100L-P6C	100%	0%	oiler pen	6 mL	nonflammable
D50W	100%	0%	wipes	50 count	nonflammable
D1W	100%	0%	wipes	individual	nonflammable
D100L-2C	100%	0%	tube	2 mL	nonflammable
D100L-16BX	100%	0%	brush bottle	1.6 mL	nonflammable
D100L-2DB	100%	0%	brush bottle	7.4 mL	nonflammable
D100L-25C	100%	0%	needle dispenser	25 mL	nonflammable
D100L (bulk, many sizes)	100%	0%	bottle/drum	assort.	nonflammable

### 9. Product Selection Guides:

#### DeoxIT® - Product Selection Guide

	DeoxIT®	DeoxIT® GOLD	DeoxIT® GOLD GxL	DeoxIT® GOLD 6x2	DeoxIT® SHIELD	DeoxIT® FaderLube
<b>New Surfaces</b>		✓	✓	✓	✓	✓
* In Service / Used	✓					✓
<b>Gold surfaces</b>		✓	✓	✓		
Oxidation / corrosion visible	✓					
<b>Conductive plastics</b>						✓
** Outdoor / Severe environments	✓					✓
<b>Deoxidizing / cleaning properties</b>	20%	0.1%	0.1%	0.0%	0.0%	0.0%
Metal / Plastic surfaces	Yes	Yes	Yes	Yes	Yes	
<b>Plastics compatibility</b>	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Temperature range (°C)	-34/200	-45/240	-45/310	-45/500	-34/210	-26/150
<b>Stationary &amp; moving surfaces</b>	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 (%)



Audio/Video



Computers



Automotive



Communications



Marine



Electrical



Energy



Photography



Security



Medical



Avionics

### 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 & propellants)
ABS	Excellent	Excellent
Nylon	Excellent	Excellent
Lexan	Excellent	Excellent
HDPE	Good	Good
LDPE	Good	Good
C.E.Phenolic	Excellent	Excellent
Epoxy	Excellent	Excellent
Polycarbonate	Excellent	Excellent
PMMA	Fair	Fair
POM	Excellent	Excellent
PP	Excellent	Excellent
PS	Fair	Fair
PTFE	Excellent	Excellent
PVC	Excellent	Excellent
TPE/Rubber/Varnish	Poor	Poor

#### IMPORTANT:

Even though the DeoxIT® D100S-2 contains a propellant, since it is a metered valve, only the 100% DeoxIT® is sprayed onto the surfaces, therefore we treat it like a 100% DeoxIT® application. 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. DeoxIT® Essential Reference:

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

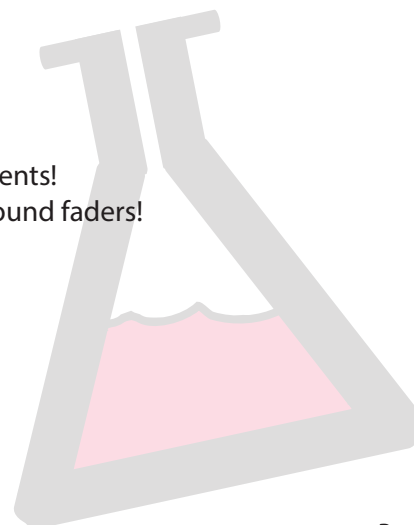
**DeoxIT® Gold G-Series** - Maintains new system performance!

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

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

### 12. Shipping and Additional Information:

Hazardous: ORMD  
VOC (%): Part No. D100S-2 None





Audio/Video



Computers



Automotive



Communications



Marine



Electrical



Energy



Photography



Security



Medical



Avionics

### 13. Other Information:

RoHS Compliant:

YES

VOC Compliant:

YES

**MSDS Link, D100S-2**

<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>

### 14. 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.

### 15. 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)

#### North America (Headquarters):

**CAIG Laboratories, Inc.**

12200 Thatcher Court  
Poway, CA 92064 USA

Tel: (858) 486-8388

Fax: (858) 486-8398

#### Distributors (Domestic & International):

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



**CAIG Laboratories, Inc.**

12200 Thatcher Court, Poway, CA 92064 U.S.A.

**P:** 858/486-8388 | **E:** [info@caig.com](mailto:info@caig.com)

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

