CAIG® LABORATORIES, INC. 1956

DATA SHEET Info

DeoxIT® Gold G5 Spray, G-Series

Contact Enhancer, Conditioner & Protector



1. Part No.:

G5S-6

2. Container Size:

142 g (5.0 oz.), with Perfect-Straw™

3. Product Description:

Unique contact treatment, conditioner, enhancer, lubricant and protectant for PLATED metal surfaces. Improves conductivity, maintains optimum signal quality, reduces fretting & dendrite corrosion, and stabilizes connections between similar and dissimilar metals. Molecularly bonds to both base-metals and plated surfaces and seals out oxygen, protecting both surfaces. The DeoxIT® Gold coating is excellent at reducing wear abrasion, arcing, RFI and intermittent connections and improves connector performance/reliability. Ideal for gold plated surfaces. On oxidized surfaces, pre-treat with DeoxIT® D-Series contact rejuvenator. Temperature* range: -45 to +240°C.

4. Features/Benefits:

5% Spray, with Perfect-Straw™ - Flushing action, Safe on most plastics.
DeoxIT® Gold G100L concentrate has approximately 0.5% chemical deoxidizing action. Excellent conductivity enhancing, excellent protection, minimum deoxidizing, no ozone depletion. Prevents dendrite and fretting corrosion. Protects base metals. Reduces intermittent connections, arcing, RFI, wear and abrasion. Ideal for both stationary and moving (vibration) connections.
Cleaner Audio - Clearer Video - Reliable Data.

5. Formulation:

5%	DeoxIT® Gold G100L
75%	Odorless mineral spirits (CAS 64742-88-7)
20%	DIFLUOROETHANE (CAS 75-37-6)

VOC COMPLIANT RoHS COMPLIANT

6. 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 deoxider.

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



7. Directions for Use:

1. Turn off, unplug the device.
2. On surfaces that have been in service or have visual signs of oxidation or corrosion pre-treat with DeoxIT® D-Series (D5S-6) contact rejuvenator (see Data Sheet DS-D5S-6).
3. Apply one short burst of DeoxIT® Gold G-Series contact enhancer to contact/connector surface.
4. Operate the part/device to help distribute the DeoxIT® Gold and break up minor amounts of oxides and contamination. Wait a few seconds, reapply one short burst. Wait two minutes before turning on equipment. **Test for compatibility before use.**
5. 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). Repeat step "2-4" above.
6. ***For extended protection:*** For ***severe environments*** (humidity, salts, pollutants, sulfur, outdoor applications, etc.) apply DeoxIT® Shield S-Series after applying DeoxIT® Gold G-Series.
7. **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
G5S-6	5%	75%	spray	142 g	flammable
GN5S-6N	5%	0%	spray	163 g	nonflammable
GN5S-2N	5%	0%	mini-spray	40 g	nonflammable
G100S-2	100%	0%	spray	57g	nonflammable
G100P	100%	0%	pen	6 mL	nonflammable
G100L-P6C	100%	0%	oiler pen	6 mL	nonflammable
G50W	100%	0%	wipes	50 count	nonflammable
G1W	100%	0%	wipes	individual	nonflammable
G100L-2C	100%	0%	tube	2 mL	nonflammable
G100L-16BX	100%	0%	brush bottle	1.6 mL	nonflammable
G100L-2DB	100%	0%	brush bottle	7.4 mL	nonflammable
G100L-25C	100%	0%	needle dispenser	25 mL	nonflammable
G100L (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 Gx2	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).

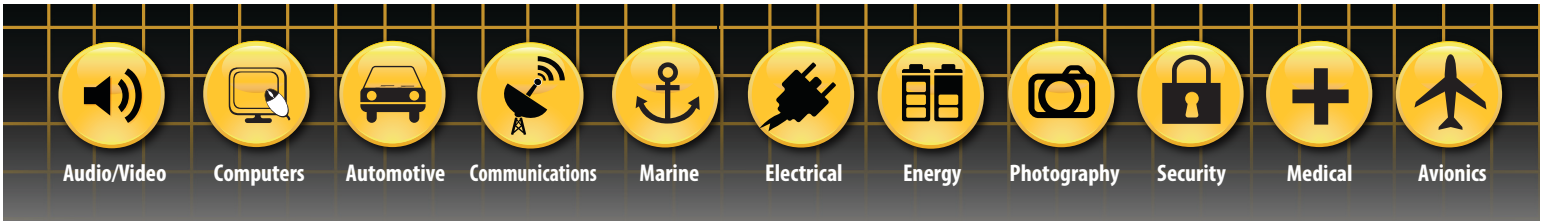
** Severe environments: Pre-clean with DeoxIT®. Follow with DeoxIT® SHIELD or DeoxIT® Grease.

DeoxIT® - Spray Selection Guide

Product Series	FP	QD	NF	PC	VOC
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	Fair-Good
Nylon	Excellent	Excellent
Lexan	Excellent	Excellent
HDPE	Good	Good
LDPE	Good	Good
C.E.Phenolic	Excellent	Good
Epoxy	Excellent	Excellent
Polycarbonate	Excellent	Fair-Good
PMMA	Fair	Fair
POM	Excellent	Excellent
PP	Excellent	Good
PS	Fair	Fair
PTFE	Excellent	Excellent
PVC	Excellent	Excellent
TPE/Rubber/Varnish	Poor	Poor

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.
Rating, with solvents: Similar to rating above (100% DeoxIT®). However, any rating worse than the 100% DeoxIT® may require additional care. If DeoxIT is applied to unwanted areas or materials, wipe off surface quickly and usually no damage will occur. Alternatively, apply DeoxIT® onto a lint-free swab or cloth first and then wipe onto desired metal surface.

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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 - Clean, lubricate & protect conductive plastic and carbon compound faders!

12. Shipping and Additional Information:

Hazardous:	ORMD
VOC (%):	Part No. G5S-6, 75% (588 g/L)

13. Other Information:

RoHS Compliant:	YES
VOC Compliant:	YES
MSDS Link, G5S-6	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:

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15. Contact Information:

CAIG LABORATORIES, INC.

Website: www.caig.com
www.deoxit.com

General email: info@caig.com

Technical email: 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):
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