

# PRODUCT Data Sheet

## DeoxIT® Gold GN5 Mini-Spray, G-Series Contact Cleaner, Enhancer & Protector

### 1. Part No.:

GN5S-2N

### 2. Container Size:

40 g (1.4 oz.), adjustable valve (L-M-H)

### 3. Product Description:

Unique contact cleaner, 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 cleaner. Temperature range: -45 to +240°C.



### 4. Features/Benefits:

**5% Spray, Adjustable-valve, Quick dry solvent, Non-drip, Safe on most plastics.**

DeoxIT® Gold G100L concentrate has approximately 0.5% chemical cleaning action. Excellent conductivity enhancing, excellent protection, minimum cleaning/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                                    |
| 60-90% | SOLSTICE® PF  |
| 15-30% | TRANS-1,3,3,3-TETRAFLUORO-PROP-1-ENE (CAS 29118-24-9) |

**VOC COMPLIANT** **RoHS COMPLIANT**

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

- ▶ Use **DeoxIT® D-Series** contact cleaner on surfaces that have been in service or have visual signs of oxidation. Contains 20% active cleaner.
- ▶ 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 cleaner.
- ▶ Use **DeoxIT® Shield S-Series** to protect surfaces from severe environments (humidity, salts, pollutants, sulfur, etc.). Use on clean surface. Contains 0% active cleaner.



Home of the DeoxIT® family of  
Environmentally-Safer Contact Cleaners and  
Connector Enhancing Treatments  
Made in USA



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### 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 (DN5S-2N) contact cleaner (see Data Sheet DS-DN5S-2N).
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            | 163 g      | flammable              |
| GN5S-6N                  | 5%        | 75%     | spray            | 163 g      | nonflammable           |
| GN5S-2N                  | 5%        | 75%     | 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-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   | ✓  |    |    | ✓  | 75  |
| D5S-6, D5MS-15, G5S-6, G5MS-15, S5S-6, S5MS-15, F5S-6, F5MS-15 |    |    |    |    |     |
| N Series - 5% solution   |    | ✓  | ✓  | ✓  | 20  |
| DN5S-6N, DN5MS-15, GN5S-6N, GN5MS-15, SN5S-6, SN5MS-15         |    |    |    |    |     |
| X Series - 5% solution   |    | ✓  | ✓  | ✓  | 20  |
| GX5S-6N  |    |    |    |    |     |
| 100 Series - 100% solution                                     |    |    | ✓  | ✓  | 0   |
| D100S-2, G100S-2, F100S-2                                      |    |    |    |    |     |

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              | 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                   | Poor                    |
| 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.

### 11. DeoxIT® Essential Reference:

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

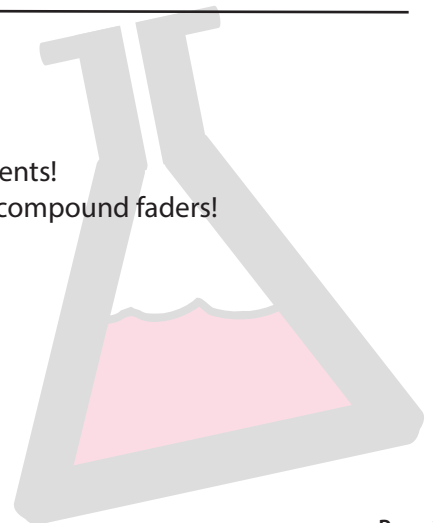
**DeoxIT® Gold G-Series** - Maintains new system performance!

**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. GN5S-6N, 20% (268 g/L)





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### 13. Other Information:

RoHS Compliant:

YES

VOC Compliant:

YES

**MSDS Link, GN5S-2N**

<http://store.caig.com/s.nl/sc.18/category.3545/f>

DeoxIT® Product Sheet:

<http://store.caig.com/s.nl/sc.18/category.236/f>

CAIG Essential Guide Link:

<http://store.caig.com/s.nl/it.l/id.73/f>

WHY DeoxIT® is Different:

<http://store.caig.com/s.nl/it.l/id.22/f>

<http://store.caig.com/s.nl/it.l/id.64/f>

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