

PRODUCT Data Sheet

DeoxIT® DN5 Mini-Spray, D-Series Contact Cleaner & Rejuvenator

1. Part No.:

DN5S-2N

2. Container Size:

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

3. Product Description:

Unique contact cleaner, rejuvenator, conductivity enhancer and lubricant. Dissolves 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:

5% Spray - Adjustable Valve, Quick Dry Solvent, Non-Drip, Safe on most plastics.
DeoxIT® D100L concentrate has approximately 20% chemical cleaning action. Excellent cleaning/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:

| | |
|--------|---|
| 5% | DeoxIT® D100L |
| 60-90% | SOLSTICE® PF |
| 15-30% | TRANS-1,3,3,3-TETRAFLUORO-PROP-1-ENE (CAS 29118-24-9) |

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.



VOC COMPLIANT **ROHS COMPLIANT**



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. Adjust valve (L-M-H). Apply one short burst of DeoxIT® D-Series contact cleaner 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 clean (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 clean, 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 | 163 g | flammable |
| DN5S-6N | 5% | 75% | spray | 163 g | nonflammable |
| DN5S-2N | 5% | 75% | 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-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 |

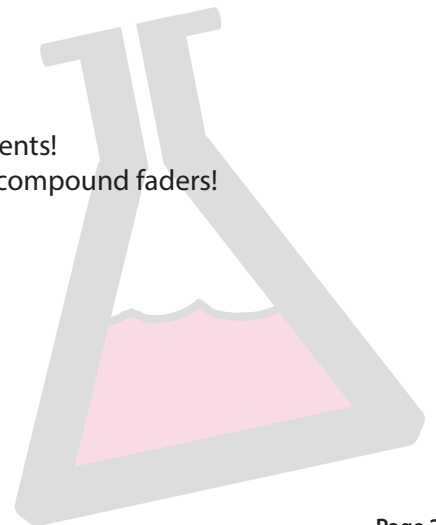
9. DeoxIT® Essential Reference:

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!





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10. 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 (%)

11. 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.



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12. Shipping and Additional Information:

Hazardous: ORMD
VOC (%): Part No. DN5S-2N, 20% (268 g/L)

13. Other Information:

RoHS Compliant: YES
VOC Compliant: YES
MSDS Link, DN5S-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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