



DeoxIT® Fader F100L, F-Series Liquid (100%) Moving Contact Lubricant for Conductive Plastic Faders & Controls

1. Part Nos.:

| Part No. | % DeoxIT | Container | Size | Flammable/Nonflammable |
|-----------|----------|------------------|-------|------------------------|
| F100L-2C | 100% | squeeze tube | 2 mL | nonflammable |
| F100L-25C | 100% | needle dispenser | 25 mL | nonflammable |
| F100L | 100% | bottle/drum | bulk | nonflammable |

2. Formulation:

100% DeoxIT® Fader F100L, F-Series



3. Product Description:

Precision lubricant for conductive plastics and carbon-based controls (faders, slide potentiometers, conductive membranes - mouse pads and other mechanisms with sliding surfaces). It replenishes lubrication lost on surfaces that have been cleaned with solvents or other cleaning solutions. Use on conductive plastics and other sliding metal-plastic surfaces. Temperature range: -26°C to +150°C.



4. Features/Benefits:

100% Liquid, Safe on plastics.

DeoxIT® Fader F100L concentrate has approximately 0.0% chemical cleaning action.

DeoxIT® Fader is not for metal contacts/connectors, use DeoxIT®, DeoxIT® Gold and DeoxIT® Shield for those surfaces.

Replaces lubrication lost that have been cleaned with solvents or other cleaning solutions.

Perfect for OEM's

Excellent enhancing, excellent protection, No ozone depletion.

Reduces intermittent connections, arcing, RFI, wear and abrasion.

Cleaner Audio - Clearer Video - Reliable Data.

6. Which DeoxIT® product do I Use:

- ▶ Use **DeoxIT® Fader F-Series** to lubricate and protect conductive plastic and carbon-based controls.
- ▶ 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.



Audio/Video



Computers



Automotive



Communications



Marine



Electrical



Energy



Photography



Security



Medical



Avionics

7. Directions for Use:

1. Turn off, unplug the device.
2. DeoxIT® Fader F-Series is for conductive plastic materials; however, there may be metal materials involved with the contact or control. On these metal surfaces that have been in service or have visual signs of oxidation or corrosion pre-treat with DeoxIT® D-Series (D5S-6) contact cleaner. See Data Sheet DS-D5S-6 and Audio/Video 9-1-1 Information Sheet (<http://store.caig.com/s.nl/it.l/id.52/f>).
3. DeoxIT® Fader 100% should be applied to clean conductive plastic surfaces. If surface has contamination (dust, dirt, drink spills, etc.), pre-clean with an air duster (<http://store.caig.com/s.nl/sc.2/category.189/f>) or DeoxIT® Fader F5S-H6.
4. Once clean, apply a small amount of DeoxIT® Fader onto the plastic surface.
5. Operate the part/device to help distribute the DeoxIT® in the control or contact area.
6. Wait a few seconds, reapply another small amount.
7. Wait two minutes before turning on equipment.
8. **For extended protection:** For additional lubrication and/or more tactile feel, apply DeoxIT® FaderGreas onto plastic surfaces; <http://store.caig.com/s.nl/sc.2/category.305/f>
9. **NOTES: Test for compatibility before use.** 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 control/connector/contact surface(s).
10. Bulk Bottles: For production applications. Contact CAIG for information.
11. **NOTE:** For Field Service use, see Bulletin "Field Service 9-1-1" (<http://store.caig.com/s.nl/it.l/id.56/f>). For Manufacturing/OEMs see Bulletin "Manufactruing/OEM 9-1-1" (<http://store.caig.com/s.nl/it.l/id.61/f>).

8. Other Applicators:

| Part No. | % DeoxIT® | VOC (%) | Applicator | Size | Flammable/Nonflammable |
|--------------------------|-----------|---------|------------------|---------|------------------------|
| F5S-H6 | 5% | 75% | spray | 163 g | flammable |
| FN5S-2N | 5% | 0% | mini-spray | 40 g | nonflammable |
| F100S-2 | 100% | 0% | spray | 57g | nonflammable |
| F100L-2C | 100% | 0% | tube | 2 mL | nonflammable |
| F100L-25C | 100% | 0% | needle dispenser | 25 mL | nonflammable |
| F5L-A (bulk, many sizes) | 5% | 75% | bottle/drum | assort. | flammable |

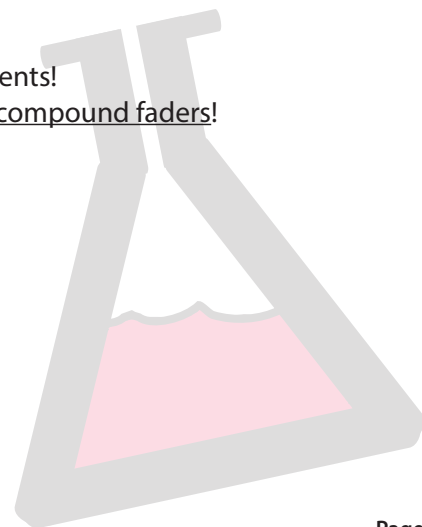
9. DeoxIT® Essential Reference:

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!





Audio/Video



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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% (588g/L) |
| D5S-6, DSMS-15, G5S-6, GSMS-15, S5S-6, SSMS-15, F5S-6, F5MS-15 | | | | | |
| N Series - 5% solution | | ✓ | ✓ | ✓ | 0.0% |
| DN5S-6N, DN5S-2N, GN5S-6N, GN5S-2N, SN5S-6N, SN5S-2N | | | | | |
| X Series - 5% solution | | ✓ | ✓ | ✓ | 0.0% |
| GX5S-6N | | | | | |
| 100% Spray solution | | | ✓ | ✓ | 0.0% |
| D100S-2, G100S-2, F100S-L2 | | | | | |

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 | N/A |
| Nylon | Excellent | N/A |
| Lexan | Excellent | N/A |
| HDPE | Excellent | N/A |
| LDPE | Good | N/A |
| C.E.Phenolic | Excellent | N/A |
| Epoxy | Excellent | N/A |
| Polycarbonate | Excellent | N/A |
| PMMA | Good | N/A |
| POM | Excellent | N/A |
| PP | Excellent | N/A |
| PS | Good | N/A |
| PTFE | Excellent | N/A |
| PVC | Excellent | N/A |
| TPE/Rubber/Varnish | Fair | 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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12. Shipping and Additional Information:

Hazardous: ORMD
VOC (%): Part No. F100L none

13. Other Information:

RoHS Compliant: YES
VOC Compliant: YES
MSDS Link, F100L <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-9>

14. MANUFACTURER DISCLAIMER:

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