

# PRODUCT Data Sheet

## 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.**



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



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## 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.

## 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® FaderGrease 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 "Manufacturing/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
FN5MS-15	5%	75%	mini-spray	14 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!



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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	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: N/A  
**MSDS Link, F100S-L2** <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>

## 14. MANUFACTURER DISCLAIMER:

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## 15. Contact Information:



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



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