DeoxIT® D100L, D-Series Liquid (100%)
Contact Cleaner & Rejuvenator

1. Part Nos.:

<table>
<thead>
<tr>
<th>Part No.</th>
<th>% DeoxIT</th>
<th>Container</th>
<th>Size</th>
<th>Flammable/Nonflammable</th>
</tr>
</thead>
<tbody>
<tr>
<td>D100L-2C</td>
<td>100%</td>
<td>squeeze tube</td>
<td>2 mL</td>
<td>nonflammable</td>
</tr>
<tr>
<td>D100P</td>
<td>100%</td>
<td>pen</td>
<td>6 mL</td>
<td>nonflammable</td>
</tr>
<tr>
<td>D100L-P6C</td>
<td>100%</td>
<td>oiler pen</td>
<td>6 mL</td>
<td>nonflammable</td>
</tr>
<tr>
<td>D50W</td>
<td>100%</td>
<td>wipes</td>
<td>50 count</td>
<td>nonflammable</td>
</tr>
<tr>
<td>K-D1W</td>
<td>100%</td>
<td>wipes</td>
<td>1 count</td>
<td>nonflammable</td>
</tr>
<tr>
<td>K-D1W-25</td>
<td>100%</td>
<td>wipes</td>
<td>25 count</td>
<td>nonflammable</td>
</tr>
<tr>
<td>K-D1W-50</td>
<td>100%</td>
<td>wipes</td>
<td>50 count</td>
<td>nonflammable</td>
</tr>
<tr>
<td>D100L-2DB</td>
<td>100%</td>
<td>brush</td>
<td>7.4 mL</td>
<td>nonflammable</td>
</tr>
<tr>
<td>D100L-25C</td>
<td>100%</td>
<td>needle dispenser</td>
<td>25 mL</td>
<td>nonflammable</td>
</tr>
<tr>
<td>D100L-2</td>
<td>100%</td>
<td>bottle</td>
<td>59 mL</td>
<td>nonflammable</td>
</tr>
<tr>
<td>D100L-12</td>
<td>100%</td>
<td>bottle</td>
<td>354 mL</td>
<td>nonflammable</td>
</tr>
<tr>
<td>D100L-32</td>
<td>100%</td>
<td>bottle</td>
<td>944 mL</td>
<td>nonflammable</td>
</tr>
</tbody>
</table>

2. Formulation:
100% DeoxIT® D100L, D-Series

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:

    100% Liquid, Safe on 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. 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.

6. Directions for Use:

    1. Turn off, unplug the device.
    2. Select the applicator (pen, wipes, needle, etc.) that is best for your application, see #8 below. Apply a small amount to the metal contact/connector surface.
    3. Operate the part/device to help break up oxides and contamination. Wait a few minutes, then wipe off surface with clean lint-free cloth or swab to remove oxidation and contamination.
    4. Re-apply DeoxIT® to metal surface and wipe off excess. It is important to wipe off excess. DeoxIT® works best when a thin coating is on metal surfaces. Wait two minutes before turning on equipment. Test for compatibility before use.
    5. 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.
    6. 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 “2-5” above one more time.
    7. For extended protection: After surface is clean, apply DeoxIT® Gold G-Series for indoor applications or DeoxIT® Shield S-Series for outdoor applications.
    8. Applicators:
        a) Squeeze Tube (#D100L-2C): Used by OEMs for maintenance kits. Provides small drop to surface.
        b) Pen - felt tip (#D100P): Precision application, slight abrasive action. Provides liquid through felt tips. Replacement tips available.
        c) Oiler Pen (#D100L-P6C): Very precise application of fluid. Provides pin-point application of liquid. Ideal for hard to reach applications.
        d) Oiler Squeeze Bottle (#D100L-25C): Similar to Oiler Pen, except in squeeze bottle.
        e) Wipes (#K-D1W-25 and K-D1W-50): Individual packaged wipes (thin paper material). For connections easily accessible and smooth surfaces, i.e. audio/
video connections, batteries, etc.

f) Wipes (#K-D50W): Jar with 50 wipes (thick cotton material). For connections easily accessible, accessible and smooth and irregular surfaces, i.e. edge connectors, industrial connections.

g) Brush (#D100L-2DB): Small 7.4 mL bottle with brush applicator. General purpose for applying liquid with a nylon brush. Ideal for applying to outer and inner surface with wiping action. Care should be taken to keep brush clean.

h) Bulk Bottles (#D100L-2, D100L-12, D100L-32): For production applications. Contact CAIG for information.

9. NOTE: For Field Service use, see Bulletin “Field Service 9-1-1” (http://store.caig.com/s.nl/it/I/id.56/f). For Manufacturing/OEMs see Bulletin “Manufacturing/OEM 9-1-1” (http://store.caig.com/s.nl/it/I/id.61/f)

7. Other Applicators:

<table>
<thead>
<tr>
<th>Part No.</th>
<th>% DeoxIT®</th>
<th>VOC (%)</th>
<th>Applicator</th>
<th>Size</th>
<th>Flammable/Nonflammable</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN5S-6N</td>
<td>5%</td>
<td>75%</td>
<td>spray</td>
<td>163 g</td>
<td>nonflammable</td>
</tr>
<tr>
<td>DN5MS-15</td>
<td>5%</td>
<td>75%</td>
<td>mini-spray</td>
<td>14 g</td>
<td>nonflammable</td>
</tr>
<tr>
<td>D100S-2</td>
<td>100%</td>
<td>0%</td>
<td>spray</td>
<td>57 g</td>
<td>nonflammable</td>
</tr>
<tr>
<td>D5L-A (bulk)</td>
<td>5%</td>
<td>75%</td>
<td>bottle/drum</td>
<td>assort.</td>
<td>flammable</td>
</tr>
</tbody>
</table>

8. 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!

9. Product Selection Guides:

DeoxIT® - Product Selection Guide

DeoxIT® - Spray Selection Guide

<table>
<thead>
<tr>
<th>Product Series</th>
<th>FP</th>
<th>QD</th>
<th>NF</th>
<th>PC</th>
<th>VOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard - 5% solution</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>75</td>
</tr>
<tr>
<td>N Series - 5% solution</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>DN5S-6N, GNSS-6N, GNS-6N, GN5MS-15, SN5S-6, SN5MS-15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>X Series - 5% solution</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>D100S-2, G100S-2, F100S-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FP = Flushing properties</th>
<th>QD = Quick dry / non drip</th>
<th>NF = Nonflammable</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC = Plastics compatibility</td>
<td>VOC = VOC (%)</td>
<td></td>
</tr>
</tbody>
</table>

✓ 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.
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)

<table>
<thead>
<tr>
<th>Material Name</th>
<th>Rating (*100% DeoxIT®)</th>
<th>Rating (*with solvents)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABS</td>
<td>Excellent</td>
<td>N/A</td>
</tr>
<tr>
<td>Nylon</td>
<td>Excellent</td>
<td>N/A</td>
</tr>
<tr>
<td>Lexan</td>
<td>Excellent</td>
<td>N/A</td>
</tr>
<tr>
<td>HDPE</td>
<td>Good</td>
<td>N/A</td>
</tr>
<tr>
<td>LDPE</td>
<td>Good</td>
<td>N/A</td>
</tr>
<tr>
<td>C.E.Phenolic</td>
<td>Excellent</td>
<td>N/A</td>
</tr>
<tr>
<td>Epoxy</td>
<td>Excellent</td>
<td>N/A</td>
</tr>
<tr>
<td>Polycarbonate</td>
<td>Excellent</td>
<td>N/A</td>
</tr>
<tr>
<td>PMMA</td>
<td>Fair</td>
<td>N/A</td>
</tr>
<tr>
<td>POM</td>
<td>Excellent</td>
<td>N/A</td>
</tr>
<tr>
<td>PP</td>
<td>Excellent</td>
<td>N/A</td>
</tr>
<tr>
<td>PS</td>
<td>Fair</td>
<td>N/A</td>
</tr>
<tr>
<td>PTFE</td>
<td>Excellent</td>
<td>N/A</td>
</tr>
<tr>
<td>PVC</td>
<td>Excellent</td>
<td>N/A</td>
</tr>
<tr>
<td>TPE/Rubber/Varnish</td>
<td>Poor</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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.

11. Shipping and Additional Information:

Hazardous: No
VOC (%): Part No. D100L, 100% No Shipping Restrictions No VOCs

12. Other Information:

RoHS Compliant: YES
VOC Compliant: N/A
DeoxIT® D100L, D-Series Liquid (100%)

Temperature range: -34 to +200°C.
Chemically improves metal-to-metal connections and contacts. Improves connector performance/reliability.
Fills in microscopic gaps and reseals surface for better contact to enhance flow of electricity.
Unique contact cleaner, rejuvenator, conductivity enhancer and lubricant.

2. Formulation:
- D100L-12 100% bottle 354 mL non-flammable
- D100L-25C 100% needle dispenser 25 mL non-flammable
- D100L-2DB 100% brush 7.4 mL non-flammable
- K-D1W-50 100% wipes 50 count non-flammable
- K-D1W-25 100% wipes 25 count non-flammable
- K-D1W 100% wipes 1 count non-flammable
- D100L-P6C 100% oiler pen 6 mL non-flammable

5. Which DeoxIT® product do I Use:
- Reduces arcing, RFI, wear and abrasion.
- Improves conductivity and reduces intermittent connections.
- Excellent cleaning/deoxidizing, good protection, no ozone depletion.

4. Features/Benefits:
- For connections easily accessible and smooth surfaces, i.e. audio/electric connections, batteries, etc.
- For production applications.
- For manufacturing/OEMs see Bulletin “Manufacturing/OEM 9-1-1” http://store.caig.com/s.nl/it.I/id.56/.f.
- For extended protection: DeoxIT® Shield S-Series
- Used to protect surfaces from severe environments (humidity, salts, pollutants, etc.).

6. Directions for Use:
1. Turn off, unplug the device.
2. Select the applicator (pen, wipes, needle, etc.) that is best for your application, see 1. Oilers are for small, tight spaces. Wipes are for direct cleaning. Pens and needles are for application where access is difficult.
3. Apply to metal surface. For connections accessible, use bottle. For connections easily accessible and smooth surfaces, i.e. audio/electric connections, batteries, etc., use oiler pen. For production applications, use bulk bottles.
4. Re-apply DeoxIT® to metal surface and wipe off excess.
5. If you notice a green or black coloration on the surface (may take a few days before it shows), then remove excess leaving a thin layer.
6. When surface is clean (no residue on the swab/cloth), finish with a short burst of DeoxIT® on overnight. If that is necessary; apply, then the following day.
7. Other Applicators:
- Oiler Pen - felt tip
- Wipes (K-D50W): Jar with 50 wipes (thick cotton material). For connections easily accessible accessible and smooth and irregular surfaces, oiler pens, or bulk bottles.
- Oiler Squeeze Bottle
- DN5S-6N 5% 75% spray 163 g non-flammable
- DN5MS-15 5% 75% mini-spray 14 g non-flammable

9. Product Selection Guides:
- DeoxIT® Fader F-Series - Brings old systems back to life!
- DeoxIT® Shield S-Series - Essential Reference:

13. MANUFACTURER DISCLAIMER:
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14. Contact Information:

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