



CAIG[®]
LABORATORIES, INC.

DATA SHEET *Info*

DeoxIT[®] L27 Electrical Marine Greases Cleans, Lubricates and Protects

1. Part Nos./Sizes:

L27-ME-6 (Squeeze Tube, 170 g), L27-ME-8T (Nozzle Tip, 226 g),
L27-ME-14 (Grease Gun Cartridge, 396 g), L27-ME-16 (Jar, 453 g),
L27-ME-35 (Pail, 15.9 Kg)

With Quartz Particles:

L27-ME-Q6 (Squeeze Tube, 170 g), L27-ME-Q8T (Nozzle Tip, 226 g),
L27-ME-Q14 (Grease Gun Cartridge, 396 g), L27-ME-Q16 (Jar, 453 g),
L27-ME-Q35 (Pail, 15.9 Kg)

3. Product Description:

WHY Another Marine Grease?

(See images and links on next page)

Marine greases currently do a good job lubricating and protecting mechanical devices and equipment. However, they do not address a common issue that effects all metals, existing oxidation/corrosion on the surfaces. CAIG's DeoxIT[®] L27 Greases do a great job lubrication and protecting metal surfaces, they also contain special additives which remove and displace most surface oxidation and corrosion on metals.

Manufactured in semi-solid form for use as a combination cleaning, deoxidizing, protecting and lubricating preparation. Greases protect against oxidation (galvanic corrosion) and are free of mineral acids, sulphurs, alkalis and other noxious components aggressive to metals.

The infusion of DeoxIT[®] Dx100L into the formulation provides an additional film on the metal surface to remove/displace corrosion and provides a moveable/flexible protective barrier. This is important when, and if, the grease is disturbed and separates from the metal surface. When the grease is first applied, the infused DeoxIT[®] Dx100L transfers to the metal and coats the entire surface; sealing and protecting the metal even if the grease is separated from the surface (vibration or mechanical movement).

No other grease does this!

4. Features/Benefits:

Clean, lubricate and protect

Excellent oxidation removal and protection

Improves electrical connections

Excellent wear and pressure resistance

High dripping point / high adhesion

Temperature Range, -40 C (-40 F) to +260 C (500 F)

*** NOTE:** Temperature ranges may vary depending on conditions.
On critical applications, independent testing is highly recommended.





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5. Guides, Tests Reports & Tech Info

DeoxIT® L27 Marine Grease Tech Info Guide

UNIQUE Marine Grease for Improving and Protecting Mechanical & Electrical Performance!

Why is it unique and different!

- Superior Lubrication
- Remove/Displace Corrosion
- Movable/Flexible Protective Barrier
- Extreme Pressure/Waterproof
- Low Dropping & Oil Separation

BULLETIN: TB-L27-19 URL Link: caig.com/L27.html

Bulletin TB-L27-19

DeoxIT® Grease Test Report - Protection TEST: Marine Grease Test Comparison

DeoxIT® L27 Marine Greases (infused with DeoxIT Dx100L) versus four other marine products.

DeoxIT® GREASE TEST REPORT

Date: 1/2/2019
Bulletin: SB-GT-P1219
By: Mark Lohkemper

DeoxIT® Laboratories, Inc.
65 Years of Industry Experience

STEP 1: Select products and prepare test coupons

STEP 2: Apply greases to entire coupon. Let sit on coupons for 24 hours.

STEP 3: Using swabs, wipe greases off coupons. Let sit on coupons for 24 hours.

DeoxIT® Laboratories, Inc.
60 Years of Industry Experience

Bulletin SB-GT-P1219

DeoxIT® Grease Selection Guide

L27-MM & L27-ME Marine Grease, L260 & L260D, SM22 & SM22D Grease

DeoxIT® Laboratories, Inc.
65 Years of Industry Experience

DeoxIT® Grease Selection Guide

	L27-MM	L27-ME	L260	L260D	SM22	SM22D
1. Mechanical Applications	E	E	E	E	E	E
2. Electrical Applications	E	E	E	E	E	E
3. Low Electrical Current/Voltage	E	E	E	E	E	E
4. High Electrical Current/Voltage	E	E	E	E	E	E
5. High Salt/Water Conditions	E	E	E	E	E	E
6. Lubrication & Protection	E	E	E	E	E	E
7. Oxidation/Corrosion Protection	E	E	E	E	E	E
8. High Temperature/Load	E	E	E	E	E	E
9. Low Wash Out & Oil Separation	E	E	E	E	E	E
10. Cleaning/Oxidation Removal	E	E	E	E	E	E
11. Remove Severe Oxidation/Corrosion	E	E	E	E	E	E
12. Additive/Lubrication/Heat Dissipation	E	E	E	E	E	E
13. Safe on Metals	E	E	E	E	E	E
14. Safe on Plastic	E	E	E	E	E	E
15. Easy Removal for Re-application	E	E	E	E	E	E
16. No Added Particles	E	E	E	E	E	E
17. Copper Particles? (conductance)	E	E	E	E	E	E
18. Aluminum Particles? (conductivity)	E	E	E	E	E	E
19. Graphite Particles? (dubious)	E	E	E	E	E	E
20. Quartz Particles? (inconclusive)	E	E	E	E	E	E
21. Graphite/Quartz Particles?	E	E	E	E	E	E

* See particle descriptions on reverse side.
** Products are safe on metals and plastics; however, they contain very fine abrasive particles, they may scratch surfaces.

BULLETIN: C-GSG-19

Bulletin C-GSG-19

LINKS:

DeoxIT® L27 Marine Grease Tech Info Guide, TB-L27-19: <https://caig.com/TB-L27-19>

DeoxIT® L27 Marine Grease Comparison TEST Report, SB-GT-P1219: <https://caig.com/SB-GT-P1219>

DeoxIT® Grease Selection Guide, C-GSG-19: <https://caig.com/C-GSG-19>

6. Formulations:

L27-ME Products

CAS 64742-65-0, Distillates (Petroleum), Solvent-Dewaxed Heavy Paraffinic

CAS 64742-01-4, Residual Oils (Petroleum) Solvent-Refined

CAS 64741-88-4, Distillates (Petroleum), Solvent-Dewaxed Heavy Paraffinic

CAS 68649-42-3, Zinc Alkyldithiophosphate

DeoxIT® Dx100L Proprietary Mix

L27-ME-Q Products - with Quartz Particles

CAS 64742-65-0, Distillates (Petroleum), Solvent-Dewaxed Heavy Paraffinic

CAS 64742-01-4, Residual Oils (Petroleum) Solvent-Refined

CAS 64741-88-4, Distillates (Petroleum), Solvent-Dewaxed Heavy Paraffinic

CAS 68649-42-3, Zinc Alkyldithiophosphate

CAS 7631-86-9, Silica/Quartz Particles

DeoxIT® Dx100L Proprietary Mix

7. Key Uses:

Electric switches, circuit breakers, socket & plug systems, connector/insulators, navigation equipment, batteries, flashlights, inverters, power distribution panels, transformers, ignition systems, starters, audio/video connectors, trailer connections, instrumentation connections, buss-bars, fuses, power cords, lighting connections, etc.

8. Directions for Use:

- For energized devices, Turn Off power.
- If surfaces are relatively clean, apply DeoxIT® L27-ME Grease liberally to surfaces. You may need to





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dis-assemble parts and apply to surfaces and then re-assemble.

3. Then, operate the device several times to distribute the grease.
4. If surfaces are severely oxidized/corroded, use a stiff nylon brush and remove as much surface contamination as possible. Then, apply the DeoxIT® L27-ME-Q Grease with quartz particles. The particles will help break up oxidation and polish surfaces. Again, You may need to dis-assemble parts and apply to surfaces and then re-assemble. If difficult to dis-assemble, use a high penetrating oil to help assist removal.
5. Apply DeoxIT® L27-ME-Q Grease liberally to surfaces, then re-assemble if required.
6. Operate the device several times to clean, polish and lubricate surfaces.

9. 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® L27 Greases)
ABS	Excellent
Nylon	Excellent
Lexan	Excellent
HDPE	Good
LDPE	Good
C.E.Phenolic	Excellent
Epoxy	Excellent
Polycarbonate	Excellent
PMMA	Fair
POM	Excellent
PP	Excellent
PS	Fair
PTFE	Excellent
PVC	Excellent
TPE/Rubber/Varnish	Poor

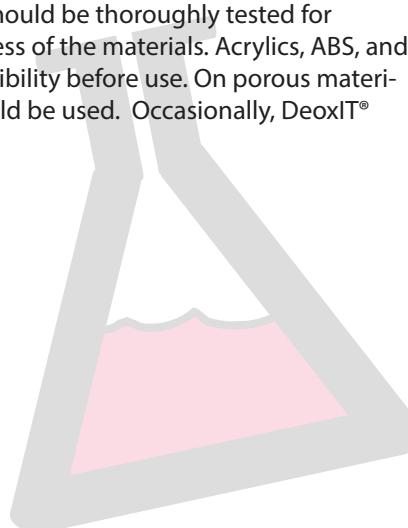
IMPORTANT:

Rating, 100% DeoxIT® L27: 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.

10. Shipping and Additional Information:

Hazardous: ORMD

VOC (%): L27-ME and L27-ME-Q 0.0%





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11. Other Information:

RoHS Compliant: YES

VOC Compliant: YES

SDS/MSDS Link: <http://caig.com/material-safety-data-sheets/>

12. MANUFACTURER DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. However, neither CAIG Laboratories, Inc., or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be used with caution. In particular, improper use of our products and their inappropriate combination with other products and substances may produce harmful results which cannot be anticipated. Final determination of the suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist. All service performed on internal parts and equipment should be provided by qualified technicians.

13. Contact Information:



Website: www.caig.com
www.deoxit.com

General email: info@caig.com

Technical email: tech@caig.com

North America (Headquarters):

CAIG Laboratories, Inc.
12200 Thatcher Court
Poway, CA 92064 USA
Tel: (858) 486-8388
Fax: (858) 486-8398

Distributors (Domestic & International):

<https://caig.com/distribution-2020/>



CAIG Laboratories, Inc.

12200 Thatcher Court, Poway, CA 92064 U.S.A.

P: 858/486-8388 | E: info@caig.com

WEB: www.caig.com | www.deoxit.com



MADE IN USA