



## PRODUCT BULLETIN

---

### ***ELDORADO LD-4*** LEAK-DETECTION POWDER

***ELDORADO LD-4*** is a fine powder, which is applied to exterior fuel tank surfaces, to detect difficult to find leaks. The powder changes to a dark red on contact with fuel. Color change may also be used to identify other common aircrafts fluids – see attached table for guidance in determining leak identity. There is no color change with water.

Packaged in the following size: 6 fluid ounce poly bottles with dispensing top/12 bottles per case.

#### PROPERTIES

1. Fine, pink powder
2. Nontoxic
3. Nonflammable
4. Easily removed
5. Neutral pH when in contact with water.
6. Nonozone-depleting
7. Noncorrosive
8. Approved by or conforms to: P6182 Type 1, AP-1081A, Trakleek,

#### USE

Clean the surface to be tested with a clean cloth to remove excess water, oil, and grease, and isolate leaks. Heavily soiled areas may require cleaning with an alkaline cleaner prior to wiping dry.

Dust the surface with ***LD-4*** and wait 30 seconds for a red-to-deep-red color to appear wherever it comes into contact with fuel or oil. Consult attached table for other outcomes.

***LD-4*** is easily dispensed by tipping the bottle over and tapping the bottom with a finger. This dispenses tiny amounts of powder onto the test area without waste.



## PRECAUTIONS

Avoid breathing dust. Wear a dust mask. If overexposure occurs, remove person to fresh air. Consult physician if symptoms of coughing or wheezing persist. Consult MSDS for further details.

### LEAK-DETECTION COLOR GUIDE

1. JP-4 Fuel: Powder turns dark red and retains color.
2. MIL-L-7808: Powder turns bright red on aluminum but darker red on steel panel. Powder tends to separate with oily look.
3. MIL-H-8446: Light red but not as bright as on MIL-L-7808. Slight separation of powder with oily look.
4. MIL-H-8446: Medium to dark red with an oily look. Powder tends to separate.
5. DC-200 Silicone Oil: Medium to dark red. The dye particles in powder tend to separate.
6. MEK: Turns very bright red with fast drying of fluid. Powder becomes lighter.
7. NAPHTHA: Looks the same as JP-4, but fluid evaporates quickly and powder becomes lighter.
8. WATER: Very little change, as powder does not mix well with water.

---

**Eldorado Solutions, Inc.** (dba of Eldorado Chemical Co, Inc.) 8935 N. Meridian Ste 205 Indianapolis, IN 46260  
Manufacturing: San Antonio, Miami [www.eldoradochem.com](http://www.eldoradochem.com) [techservice@eldoradochem.com](mailto:techservice@eldoradochem.com) (800) 531-1088

**NOTICE:** The information presented here is based upon our laboratory tests and field use experience. Since conditions of actual use are beyond our control, any recommendations or suggestions are made without warranty, express or implied. **Eldorado Chemical Co., Inc.**'s sole obligation shall be to replace that portion of the product shown to be defective; nor shall we be liable for any loss, damage or injury—direct or consequential—arising out of the use of this product.

Rev. 041503

