

TECHNICAL DATA

Eldorado LD-4 Leak-Detection Powder

Description

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.

Material Properties

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

Application Techniques

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.

Avoid breathing dust. Wear a dust mask. If over-exposure occurs, remove person to fresh air. Consult physician if symptoms of coughing or wheezing persist.

Leak Detection Color Guide

JP-4 Fuel

Powder turns dark red and retains color.

MIL-L-7808

Powder turns bright red on aluminum but darker red on steel panel. Powder tends to separate with oily look.

MIL-H-8446

Light red but not as bright as on MIL-L-7808. Slight separation of powder with oily look.

MIL-H-8446

Medium to dark red with an oily look. Powder tends to separate.

DC-200 Silicone Oil

Medium to dark red. The dye particles in powder tend to separate.

MEK

Turns very bright red with fast drying of fluid. Powder becomes lighter.

NAPHTHA

Looks the same as JP-4, but fluid evaporates quickly and powder becomes lighter.

WATER

Very little change, as powder does not mix well with water.

Health Precautions

This product is safe to use and apply when recommended precautions are followed. Before using this product, read and understand the Material Safety Data Sheet (MSDS), which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. An MSDS is available on request. Avoid overexposure. Obtain medical care in case of extreme overexposure.

For industrial use only. Keep away from children.

Additional information can be found at:

www.ppgaerospace.com

For sales and ordering information call
1-800-AEROMIX (237-6649).

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All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.

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