



OXYGEN APPROVED LEAK DETECTORS

TECHNICAL DATA SHEET

APPLICATION

LDMID is a medium temperature (-10°F / -23°C), oxygen compatible leak detection compound intended for use in high and low pressure systems. For regular temperature applications (+27°F / - 3°C) use LDREG Reg Temp. For low temperature applications (-65°F / -54°C) use LDLOW Low Temp leak detection compound.

LDMID LEAK DETECTOR - MID TEMPERATURE

FEATURES / BENEFITS

Ready to use formula saves time and money by safely and quickly finding leaks in low pressure air and gas systems including propane, LPG gas, oxygen and other pressurized systems in low temperatures down to -10°F. Deep red color provides contrast against highly reflective surfaces such as stainless steel. Allows for direct application of product, protects expensive equipment being tested, does not leave messy residue that can attract dirt, or lead to later leak blockages. Also available in larger containers for bulk savings, along with pour spouts and drum pumps for ease of use from larger containers.

COMPOSITION / PACKAGING

Liquid product, free from sediment and suspended matter, that is miscible with water in all proportions. Product does not contain mineral oil, vegetable oil, animal oil or fats. Does not contain materials that will ignite or explode when in contact with liquid or gaseous oxygen. Does not contain materials that will act as primary skin irritants, skin sensitizers or produce any other dermatosis. Does not contain ketones, aldehydes, or alcohols as components in the formulation.

| WCI ITEM | BARCODE | CONTAINER TYPE | QUANTITY | NET FILL |
|-------------|--------------|----------------|-------------------|------------|
| LDMID-1GRJ | 81004830-038 | round jug | 4 jugs per carton | 1 gallon |
| LDMID-5GC | 81004830-039 | carboy | per carboy | 5 gallons |
| LDMID-55GPD | 81004830-040 | plastic drum | per drum | 55 gallons |

STANDARDS / SPECIFICATIONS / TYPICAL ANALYSIS

| TEST | METHOD | RESULTS / LIMITS |
|--|-------------------------------|---|
| Foreign Matter | MIL-PRF-25567E (sec 4.2.2.1) | Clear & free from suspended matter/sediment |
| Odor | ASTM D1292 | No objectionable odor |
| pH Value | MIL-PRF-25567E (sec 4.2.2.3) | 7.0 (+/-0.5) neutral range |
| Nonflammability | ASTM D92 | Nonflammable |
| Leak Detection Verification | MIL-PRF-25567E (sec 4.2.2.5) | Immediate foaming is observed |
| Foaming Ability | ASTM D1173 | Initial > 145.0 mm Final > 130.0 mm |
| Freezing Point | ASTM D1177 | -10°F / -23°C |
| Residue | MIL-PRF-25567E (sec 4.2.2.8) | Less than 0.50 percent by weight |
| Corrosiveness | MIL-PRF-25567E (sec 4.2.2.9) | No corrosion on test panels |
| Compatibility with Oxygen | MIL-PRF-25567E (sec 4.2.2.10) | Pass |
| Mold Growth | MIL-PRF-25567E (sec 4.2.2.11) | Pass |
| Sulphur | ASTM D-129 / D-516 (B) | < 00.50 ug/gram |
| Fluoride | ASTM D-808 / D-1179 (B) | < 00.50 ug/gram |
| Chloride | ASTM D-808 / D-512 (C) | < 75.00 ug/gram |
| Stress Crack Corrosion on Brass Alloys | ASTM G186 | No Stress Crack Corrosion |

SHELF LIFE

Five years from date of manufacture. Lot number is in human readable form (YYYYMM####), with the last four digits being the batch number within a given month.

SDS

To request a copy of the Safety Data Sheet for this product, e-mail sds@weldingchemicalsinc.com.

Welding Chemicals Inc.

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For further information visit www.weldingchemicalsinc.com

For a copy of the Certificate of Compliance / Certificate of Analysis for this product, please email qc@weldingchemicalsinc.com with the product item number, and lot number.

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