

TECHNICAL INFORMATION - TYPICAL ANALYSIS

FORMULA 300

PRODUCT CANTESCO® LEAK DETECTION COMPOUND - OXYGEN COMPATIBLE – APPROVED FOR OXYGEN USE - REG TEMP TYPE I

APPLICATION Regular temperature oxygen compatible solution for detection of leaks in compressed air and gas systems. Clear free flowing liquid with no objectionable odor. For low temperature applications (down to -65°F / -54°C) use CANTESCO® FORMULA 365, request 365-TECH for additional information.

COMPOSITION Product does not contain mineral oil, vegetable oil, animal oil or fats; any material that will ignite or explode when in contact with liquid or gaseous oxygen; materials that will act as primary skin irritants, skin sensitizers or produce any other dermatosis; ketones, aldehydes, and alcohols as components in the formulation.

TEMP RANGE +27°F TO 200°F (-3°C TO 93°C)

PACKAGING Ready to use format available in 8 oz bottles with 12" extension tube in each bottle, 1 gallon, 5 gallon and 55 gallon drums.

ITEM	BAR CODE	SIZE	QUANTITY PER BOX
300-08	699913-10001	8 oz bottle	12 bottles per box
300-1G	699913-10230	1 gallon jug	4 jugs per box
300-5G	699913-10235	5 gallon carboy	per carboy
300-DR	699913-10240	55 gallon drum	per drum

SPECIFICATIONS

TEST	RESULTS	METHOD
Foreign Matter	Clear & free from suspended matter/sediment	MIL-PRF-25567E (sec 4.2.2.1)
Odor	No objectionable odor	ASTM D1292
pH	7.0 (+/-0.5) neutral range	MIL-PRF-25567E (sec 4.2.2.3)
Nonflammability	Non flammable	ASTM D92
Leak Detection	Immediate foaming	MIL-PRF-25567E (sec 4.2.2.5)
Foaming Ability	Initial > 145.0 mm Final > 130.0 mm	ASTM D1173
Freezing Point	+27°F	ASTM D1177
Residue	Less than 0.50 percent by weight	MIL-PRF-25567E (sec 4.2.2.8)
Corrosion	No corrosion on test panels	MIL-PRF-25567E (sec 4.2.2.9)
Compatibility with Oxygen	Compatible	MIL-PRF-25567E (sec 4.2.2.10)
Mold Growth	Does not support mold growth	MIL-PRF-25567E (sec 4.2.2.11)
Sulphur	<1% by weight	ASTM D-129 / D-516 (B)
Fluoride	<1% by weight	ASTM D-808 / D-1179 (B)
Chloride	<1% by weight	ASTM D-808 / D-512 (C)
Stress Crack Corrosion on Brass Alloys	No Stress Crack Corrosion	ASTM G186

SHELF LIFE Shelf life for this product is five years from date of manufacture. When the container is opened, recommended shelf life is only two years. Lot number is in human readable form (YYYYMM####), with the last four digits being the batch number within a given month.

SDS An SDS is available for this product upon request. To receive a copy e-mail us at msds@cantesco.com and request an SDS for FORMULA 300.

Q&A For answers on how to use CANTESCO® LEAK DETECTION COMPOUNDS ask for a copy of our LEAK TESTING IN WELDING APPLICATIONS booklet. For a complete product listing request a copy of our WELDING PRODUCTS CATALOG. To receive a copy of Military specification, please contact www.document-center.com. For a copy of ASTM test methods for halogen and chloride content (sulphur, fluoride and chloride) contact the ASTM at www.astm.org. For further links visit us at www.cantesco.com.

CERTIFICATIONS Kemper System is an ISO 9001:2015 and ISO 14001:2015 registered company.

CANTESCO®
welding chemical products



FORM:
300-TECH.ENG

REV: 04/19

PLEASE NOTE: Product use and conditions of use are beyond the control of KEMPER SYSTEM AMERICA, INC. Warranty of materials is limited to test results of product performance as detailed in certificates of compliance. Interpretations of test results are the responsibility of the end-user. No other warranties, expressed or implied, are made. For further details on our terms and conditions request a copy of our form QSF 319 New Account Package.

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