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Subject 495

1655 Scott Blvd.
 Santa Clara, CA 95050
 May 20, 1996

TO: Casualty Council of Underwriters Laboratories Inc.,
 Fire Council of Underwriters Laboratories Inc.,
 Subscribers to UL's Standards Service for Power-Operated Dispensing Devices For
 LP-Gas

SUBJECT: Request for Comments on Proposed Requirements for the Second Edition of the
 Standard for Power-Operated Dispensing Devices For LP-Gas, UL 495; PROPOSED
 EFFECTIVE DATE

SUMMARY OF TOPICS

This bulletin proposes to:

1. Change the specific gravity in the 10-day moist ammonia air stress cracking test from 0.90 to 0.94 and,
2. Slightly modify the test method previously proposed in UL's industry bulletin dated February 18, 1994.

COMMENTS DUE: JUNE 17, 1996

Attached as Appendix A for your review and comment are proposed requirements for UL 495. Questions regarding interpretation of requirements should be directed to the responsible UL Staff. Please see Appendix B of this bulletin regarding designated responsibility for the subject product categories.

Please note that proposed requirements are of a tentative and early nature and are for review and comment only. Current requirements are to be used to judge a product until these requirements are published in final form.

PROPOSED EFFECTIVE DATE

These proposed requirements will not necessitate a review or additional testing of currently Listed products. Therefore, UL proposes that the new requirements become effective upon publication.

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REQUEST FOR COMMENTS ON PROPOSALS

Please provide the following:

1. Your comments concerning the proposed requirements; and
2. Your comments concerning the proposed effective date, should the proposals be adopted.

Written comments should be sent to the attention of Ted Tang at UL's Santa Clara office, 1655 Scott Blvd., Santa Clara, CA 95050-4169. Comments may be sent by mail or faxed to (408) 556-6045. Please reference all correspondence to Subject 495.

All comments should be sent by June 17, 1996.

Unless specifically requested to do so, UL will not acknowledge comments indicating concurrence with these proposals.

UNDERWRITERS LABORATORIES INC.

REVIEWED BY:



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SR:ATL

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PROPOSED REQUIREMENTS ARE OF A TENTATIVE AND EARLY NATURE AND ARE FOR REVIEW AND COMMENT ONLY. CURRENT REQUIREMENTS ARE TO BE USED TO JUDGE A PRODUCT UNTIL THESE REQUIREMENTS ARE PUBLISHED IN FINAL FORM.

A P P E N D I X A

PROPOSED REQUIREMENTS AND PROPOSED EFFECTIVE DATE FOR THE SECOND EDITION OF THE STANDARD FOR POWER-OPERATED DISPENSING DEVICES FOR LP-GAS, UL 495

For your convenience in review, proposed new requirements are identified by (NEW). Proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

10-DAY MOIST AMMONIA AIR STRESS CRACKING TEST.

RATIONALE

UL's Subject 495 bulletin, dated March 4, 1994, proposed replacing the Mercurous Nitrate Test with a 10-Day Moist Ammonia-Air Stress Cracking Test. Based on review of comments to the bulletin and after further study, UL has determined that the aqueous ammonia used for the test should have a specific gravity of 0.94 rather than 0.90, as the 0.94 solution is more likely to produce test results consistent with results obtained when testing with mercurous nitrate.

IMPACT

As all currently Listed products already comply with the proposed requirement, there will not be a need for retesting or review if the proposed requirements are adopted.

PROPOSALS

5.10 A part made of drawn brass or machined from brass rod shall withstand, without cracking, the ~~Mercurous Nitrate Immersion Test~~ 10-Day Moist Ammonia Air stress Cracking Test, Section 28A.

5.10 revised date of publication

(NEW SECTION)

28A 10-Day Moist Ammonia-Air Stress Cracking Test

28A.1 After being subjected to the conditions described in 28A.2 – 28A.4, a brass part containing more than 15 percent zinc shall show no evidence of cracking when examined using 25X magnification.

28A.1 added date of publication

28A.2 Each test sample is to be subjected to the physical stresses normally imposed on or within a part as the result of assembly with other components. Such stresses are to be applied to the sample prior to and maintained during the test. Samples with threads, intended to be used for installing the product in the field are to have the threads engaged and tightened to the torque specified in Table 34.1. Teflon tape or pipe compound are not to be used on the threads.

28A.2 added date of publication

28A.3 Three samples are to be degreased and then continuously exposed in a set position for ten days to a moist ammonia-air mixture maintained in a glass chamber approximately 305 by 305 by 305 mm having a glass cover.

28A.3 added date of publication

28A.4 Approximately 600 ml of aqueous ammonia having a specific gravity of 0.94 is to be maintained at the bottom of the glass chamber below the samples. The samples are to be positioned 1-1/2 in. (38.1 mm) above the aqueous ammonia solution and supported by an inert tray. The moist ammonia-air mixture in the chamber is to be maintained at atmospheric pressure and at a temperature of $34 \pm 2^\circ\text{C}$.

28A.4 added date of publication

APPENDIX B**DESIGNATED RESPONSIBILITY FOR UL
PRODUCT CATEGORY
EXHT, DISPENSING DEVICES, LP-GAS, POWER-OPERATED**

The individuals shown in the following table are involved with the investigation of products covered under the subject category. The Primary Designated Engineer (**shown in UPPERCASE letters**) coordinates the establishment and uniform interpretation of UL requirements applicable to the product category. The Designated Engineers (**shown in lowercase letters**) work with the Primary Designated Engineer to interpret requirements and maintain standards.

Should you have questions regarding the interpretation of the requirements proposed in this bulletin or any adopted requirements that affect your product, you are encouraged to contact the individual at the office to which you normally submit your products.

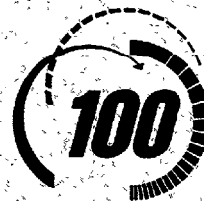
The Responsible Department Manager for the subject category is John Hawley at UL's Northbrook office. The Responsible Department Manager oversees the significant interpretations made by the Primary Designated Engineer and arbitrates any differences regarding interpretation of UL requirements.

CCN	Office/Subsidiary	Responsible Engineer	Extension
EXHT	Northbrook	ROBERT FLORCZYK	42620

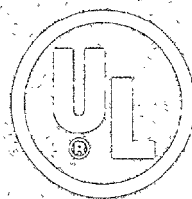
UL 495

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November 22, 1994

Standard for

Power-Operated Dispensing Devices for LP-Gas

UL 495, Second Edition

Accompanying this transmittal notice is a copy of the second edition of UL 495.

THIS EDITION OF THE STANDARD IS NOW IN EFFECT.

Revised and/or additional pages may be issued from time to time.

NOVEMBER 22, 1994

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UL 495

Standard for

Power-Operated Dispensing Devices for LP-Gas

First Edition – February, 1986

Second Edition

November 22, 1994

Revisions of this standard will be made by issuing revised or additional pages bearing their date of issue. A UL Standard is current only if it incorporates the most recently adopted revisions, all of which are itemized on the transmittal notice that accompanies the latest published set of revision pages.

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