

Subject 912

March 16, 2018

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Highway Emergency Signals, UL 912, are being proposed:

1. Proposal to clarify test and marking

COMMENTS DUE: APRIL 16, 2018

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Proposal to clarify test and marking

RATIONALE

Proposal submitted by: Edgar Wolff Klammer, UL LLC

The burning times should be identical regardless of the chemical formulation of the fusees. The marking regarding non-perchlorate or perchlorate should be a manufactures choice not a requirement in the standard.

PROPOSAL

32 Burning Time Test

32.1 A fusee containing the chemical ~~potassium perchlorate~~, burning in the position described in 31.1, and in the horizontal position, shall burn effectively within the limits in Table 32.1.

Table 32.1
Burning times with ~~potassium perchlorate~~

Marked, minutes	Minimum, minutes	Maximum, minutes
5	5	6.5
~~10~~	~~10~~	~~13.0~~
~~15~~	~~15~~	~~18.0~~
~~20~~	~~20~~	~~23.0~~
~~30~~	~~30~~	~~33.0~~

32.1.1 A fusee burning in the position described in 31.1, and in the horizontal position, shall burn effectively within the limits in Table 32.2.

~~Table 32.2~~ **Table 32.1**
Burning times, no chemical potassium perchlorate

Marked, minutes	Minimum, minutes	Maximum, minutes
5	5	8.5
10	10	13.0
15	15	18.0
20	19	23.0
30	27	33.0

32.3 At least two samples of each size and type of fusee are to be subjected to burning in both the upright (tilted 20 degrees), and the horizontal positions. All samples tested shall have burning times falling within the specified limits shown in Table 32.1 ~~or Table 32.2~~.

35.1 Each fusee shall be marked with the following:

- a) The manufacturer's or private labeler's name or identifying symbol;
- b) The model, size, or style designation;
- c) The burning time (see 24.2); and
- d) ~~Contains Potassium Perchlorate -- allow to burn completely or Does not Contain Potassium Perchlorate; and~~
- e) d The directions for use in capital letters. These directions shall consist of the following:

ALWAYS POINT FUSEE AWAY FROM FACE AND BODY WHILE IGNITING AND AFTERWARDS.

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