

purpose lighter is activated in each manner that would produce a flame in a fueled production multi-purpose lighter.

(2) This definition does not require a multi-purpose lighter to be modified with electronics or the like to produce a signal. Manufacturers may use a multi-purpose lighter without fuel as a surrogate multi-purpose lighter if a distinct audible signal, such as a "click," can be heard clearly when the mechanism is operated in each manner that would produce a flame in a production lighter and if a flame cannot be produced in a production multi-purpose lighter without the signal. But see § 1212.4(f)(1).

(d) *Child-resistant mechanism* means the mechanism of a multi-purpose lighter that makes the lighter resist successful operation by young children, as specified in § 1212.3.

(e) *Model* means one or more multi-purpose lighters from the same manufacturer or importer that do not differ in design or other characteristics in any manner that may affect child resistance. Lighter characteristics that may affect child resistance include, but are not limited to, size, shape, case material, and ignition mechanism (including child-resistant features).

#### § 1212.3 Requirements for multi-purpose lighters.

(a) A multi-purpose lighter subject to this part 1212 shall be resistant to successful operation by at least 85% of the child-test panel when tested in the manner prescribed by § 1212.4.

(b) The child-resistant mechanism of a multi-purpose lighter subject to this part 1212 must:

(1) Operate safely when used in a normal and convenient manner,

(2) Comply with this § 1212.3 for the reasonably expected life of the lighter,

(3) Not be easy to deactivate or prevent from complying with this § 1212.3.

(4) Except as provided in paragraph (b)(5) of this section, automatically reset when or before the user lets go of the lighter.

(5) The child-resistant mechanism of a multi-purpose lighter subject to this part 1212 that allows hands-free operation must:

(i) Require operation of an additional feature (e.g., lock, switch, etc.) after a flame is achieved before hands-free operation can occur;

(ii) Have a manual mechanism for turning off the flame when the hands-free function is used; and either

(iii) Automatically reset when or before the user lets go of the lighter when the hands-free function is not used; or

(iv) Automatically reset when or before the user lets go of the lighter after turning off the flame when the hands-free feature is used.

#### § 1212.4 Test protocol.

(a) *Child test panel.* (1) The test to determine if a multi-purpose lighter is resistant to successful operation by children uses a panel of children to test a surrogate multi-purpose lighter representing the production multi-purpose lighter. Written informed consent shall be obtained from a parent or legal guardian of a child before the child participates in the test.

(2) The test shall be conducted using at least one, but no more than two, 100-child test panels in accordance with the provisions of § 1212.4(f).

(3) The children for the test panel shall live within the United States.

(4) The age and sex distribution of each 100-child panel shall be:

(i) 30±2 children (20 ±1 males; 10±1 females) 42 through 44 months old;

(ii) 40±2 children (26±1 males; 14±1 females) 45 through 48 months old;

(iii) 30±2 children (20±1 males; 10±1 females) 49 through 51 months old.

NOTE TO PARAGRAPH (A)(4): To calculate a child's age in months: Subtract the child's birth date from the test date. The following calculation shows how to determine the age of the child at the time of the test. Both dates are expressed numerically as Month-Day-Year.

*Example:* Test Date (e.g., 8/3/94) minus Birth Date—(e.g., 6/23/90). Subtract the number for the year of birth from the number for the year of the test (i.e., 94 minus 90 = 4). Multiply the difference in years by 12 months (i.e., 4 years × 12 months = 48 months). Subtract the number for the month of the birth date from the number of the month of the test date (i.e., 8 minus 6 = 2 months). Add the difference in months obtained above to the number of months represented by the difference in years described above (48 months + 2 months = 50 months). If the difference in days is greater than 15 (e.g., 16, 17 . . .), add