

METRIC

A-A-59489A

November 22, 2005

SUPERSEDING

A-A-59489

September 22, 1999

COMMERCIAL ITEM DESCRIPTION

MATCHES, SAFETY

The General Services Administration has authorized the use of this Commercial Item Description (CID) as a replacement for Federal Specification EE-M-101J.

1. SCOPE.

1.1 This Commercial Item Description (CID) covers safety matches, in books or boxes, packed in commercially acceptable containers, suitable for use by Federal, State, local governments and other interested parties, and as a component of operational rations.

2. CLASSIFICATION.

2.1 The matches shall conform to the following types and classes as specified in the solicitation, contract, or purchase order.

Types and classes.

Type I - Paper

Class A - 30 splint book

Class B - 20 splint book

Class C - 10 splint book

Type II - Wood

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be sent to: Commander, Defense Supply Center Philadelphia, ATTN: DSCP-FTSL, 700 Robbins Avenue, Philadelphia, PA 19111-5092 or FAX (215) 737-2963.

AMSC N/A

FSC 9920

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

A-A-59489A

Class A - Large, "kitchen" size sticks

Class B - Medium size sticks

Class C - Small, "pocket" size sticks

3. SALIENT CHARACTERISTICS.

3.1 Splints/Sticks. Type I paper match splints shall be made of splint board. Type II wooden match sticks shall be made of a good grade, long-fibered timber. The splints and sticks shall not be broken, split, crushed, adhering, chipped, or cracked.

3.2 Match head. The head material of the safety matches shall be evenly applied over the ends and sides of splints and sticks to facilitate ignition.

3.3 Count. Type I, Class A paper matches shall be 30 matches per book, with 15 splints on each of two rows. Type I, Class B paper matches shall be 20 matches per book, with 10 splints on each of two rows. Type I, Class C paper matches shall be 10 matches per book, with 5 splints on each of two rows. The average number of Type II, Class A wooden matches shall not be less than 250 per box and no box shall contain less than 230 matches. The average number of Type II, Class B wooden matches shall not be less than 27 per box and no box shall contain less than 21 matches. The average number of Type II, Class C wooden matches shall not be less than 32 per box and no box shall contain less than 30 matches.

3.4 Dimensions. The matches shall meet the requirements of Table I.

Table I. Dimensions

Classification	Length in mm (inches)		Width in mm (inches) ^{1/}
	Splint or stick with head	Splint, head and base	
Type I, Class A	35±3 (1 ³ / ₈ ± 1/8)	48±3 (1 ⁷ / ₈ ± 1/8)	48±2 (1 ⁷ / ₈ ± 1/16)
Type I, Class B	35±3 (1 ³ / ₈ ± 1/8)	48±3 (1 ⁷ / ₈ ± 1/8)	30±2 (1 ³ / ₁₆ ± 1/16)
Type I, Class C	35±3 (1 ³ / ₈ ± 1/8)	48±3 (1 ⁷ / ₈ ± 1/8)	16±2 (⁵ / ₈ ± 1/16)
Type II, Class A	60±3 (2 ³ / ₈ ± 1/8)	-	2.5 (0.10)
Type II, Class B	50±3 (2 ± 1/8)	-	2.3 (0.09)
Type II, Class C	44±3 (1 ³ / ₄ ± 1/8)	-	2 (0.08)

^{1/} Type I represents width of each row. Type II represents width of each match stick.

3.5 Striking surface. The striking surface on the outside match book or box shall be coated with a preparation which will be used to ignite the matches when they are rapidly drawn across the specially prepared surface. The striking surface shall not peel or rub off.

A-A-59489A

3.6 Performance. The matches shall be manufactured to function as small, portable, clean and uniform, ignition devices. Both match types shall ignite readily and burn fiercely without breakage of the splint/stick or head, or without cracking, exploding or afterglow. The matches shall only be ignited by friction when struck on the specially prepared striking surface of the match book or box cover. Matches shall provide a source of fire as well as to provide short term illumination. The matches shall light in damp conditions.

3.7 Performance test. One hundred matches shall be tested. Each match shall be struck on the striking surface until it ignites or becomes damaged. Five or more failures shall result in rejection of the lot.

3.8 Humidity resistance test. One hundred matches shall be placed in a saturated humidity chamber maintained at approximately 39°C (105°F). Matches shall be conditioned in the chamber for 6 hours. Immediately upon removal from the chamber, each match shall be struck on the striking surface until it ignites or becomes damaged. Thirty or more failures shall result in rejection of the lot.

4. REGULATORY REQUIREMENTS.

4.1 U. S. Department of Transportation. The offeror/contractor shall comply with all regulations and requirements of the U. S. Department of Transportation, and all other applicable Federal, State, and local statutes, ordinances, and regulations regarding safety matches.

4.2 Recovered materials. The offeror/contractor is encouraged to use recovered materials in accordance with the Federal Acquisition Regulation (FAR) Subpart 23.403 to the maximum extent practical.

5. QUALITY ASSURANCE PROVISIONS.

5.1 Product conformance. The safety matches shall meet the physical characteristics of this CID, conform to the producer's own specifications, standards, and quality assurance practices, and be the same safety matches offered for sale in the commercial market. The purchaser reserves the right to require proof of such conformance.

5.2 Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units. Dimensions and tolerances specified shall be converted using conversion tables contained in IEEE/ASTM SI Standard for Use of the International System of Units (SI): The Modern Metric System.

A-A-59489A

6. PACKAGING.

6.1 Preservation, packaging, packing, labeling, and case marking. Preservation, packaging, packing, labeling, and case marking shall be as specified in the solicitation, contract, or purchase order.

7. NOTES.

7.1 Purchasers shall specify:

- Types and classes required.

7.2 Sources of documents.

7.2.1 Sources of information for governmental documents are as follows.

Requirements for the transportation of hazardous materials are found in 49 CFR Parts 171 to 180. This document may be purchased from: **Superintendent of Documents, ATTN: New Orders, P.O. Box 371954, Pittsburgh, PA 15250-7954. Credit card (MasterCard or Visa) purchases may be made by calling the Superintendent of Documents on (202) 512-1803 or on the Internet at: <http://www.nara.gov/fedreg>.**

Commercial Item Descriptions are available from: **General Services Administration, Federal Supply Service, Specification Section, Suite 8100, 470 East L'Enfant Plaza, SW, Washington, DC 20407; telephone (202) 619-8925, 26 or 27; Fax (202) 619-8978 or 85.**

Military activities may obtain copies of this CID from: **Standardization Documents Order Desk, Defense Automation Printing Service, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094 or on the Internet at: <http://assist.daps.dla.mil/quicksearch/>.**

MILITARY INTERESTS:

Custodians

Army - GL
Navy - SA
Air Force - 35

Review Activities

Army - MD, QM
Navy - MC

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA - FSS
VA - OSS

PREPARING ACTIVITY:

DLA - SS
(Project No. 9920-0023)