

**MIL-I-10223A**

29 AUGUST 1950

SUPERSEDING

MIL-I-10223 (Cml C)

31 March 1950

## MILITARY SPECIFICATION

# INCENDIARY MIXTURE PT1

*This specification was approved by the Departments of the Army, the Navy, and the Air Force for use of procurement services of the respective Departments.*

### 1. SCOPE

**1.1 Scope.**—This specification covers incendiary mixture PT1 intended for use as an incendiary munition filling.

**1.2 Classification.**—Incendiary mixture PT1 shall be of the following types as specified (see 6.2):

Type I.—Mixture conforming to formula D2-9.

Type II.—Mixture conforming to formula D2-12.

### 2. APPLICABLE SPECIFICATIONS AND OTHER PUBLICATIONS

**2.1 Specifications.**—The following specification, of the issue in effect on date of invitation for bids, forms a part of this specification:

#### NAVY DEPARTMENT SPECIFICATION

General Specifications for Inspection of Material.<sup>1</sup>

(*Army.*—Copies of specifications may be obtained from the procuring agency or as directed by that agency. Both the title and identifying number or symbol should be stipulated when requesting copies.)

(*Navy.*—Copies of Military and Navy Department specifications may be obtained upon application to the Bureau of Supplies and Accounts, Navy Department, Washington 25, D. C., except that activities of the Armed Forces should make application to the Commanding Officer, Naval Supply Center, Norfolk 11, Va. Both the title and identifying number or symbol should be stipulated when requesting copies.)

<sup>1</sup>Applicable only to Navy purchases.

**2.2 Other publications.**—The following publications, of the issue in effect on date of invitation for bids, form a part of this specification:

#### CHEMICAL CORPS PUBLICATIONS

Formula D2-9—PT1 Incendiary Mixture (Type I).

Formula D2-12—PT1 Incendiary Mixture (Type II).

Directive 301—Compounding Incendiary Mixture PT1.

(Copies of Chemical Corps directives and formulas may be obtained from the Office of the Chief, Chemical Corps, Supply and Procurement Division, Army, Chemical Center, Maryland. Both the title and identifying number or symbol should be stipulated when requesting copies.)

### 3. REQUIREMENTS

**3.1 Material.**—The materials used in the manufacture of PT1 incendiary mixture shall meet the requirements specified in the applicable specifications with the exceptions as noted in the referenced Chemical Corps Formulas.

**3.2 Composition.**—The PT1 incendiary mixture shall be a uniform mixture of the ingredients in the proportion shown on the applicable formula.

**3.3 Physical characteristics.**—The physical characteristics of the incendiary mixture shall be as specified in table I for the munition being filled. The mixture shall be made as specified in Chemical Corps Directive 301.

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TABLE I

Physical characteristics	Type I				Type II	
	M74 bomb		M76 bomb		M47 bomb	
	Min.	Max.	Min.	Max.	Min.	Max.
Elasticity .....	250°	330°	275°	360°	330°	360°
Consistency (minutes) .....	0.5	3.5	1.4	4.0	1.0	See 6.3
Stability (percent separation) .....		1.0		1.0		1.0
Burning time (minutes) .....	3.5	5.0	3.5	5.0	3.5	5.0

#### 4. SAMPLING, INSPECTION, AND TEST PROCEDURES

4.1 **Lot.**—Unless otherwise specified, each manufacturing batch shall constitute a lot.

4.2 **Inspection procedure.**—The inspector shall ascertain that the material and the proportions used are as specified in the applicable Chemical Corps Formula. The inspector shall ascertain that the control features, blending process, and test procedures are in accordance with Chemical Corps Directive 301. If the mixing process or ingredients are out of control the incendiary mixture shall be considered as not complying with this specification and shall be held for disposition.

#### 5. PREPARATION FOR DELIVERY

5.1 Not applicable. (See 6.1.)

#### 6. NOTES

6.1 The item covered by this specification will normally be filled immediately after manufacture into incendiary munitions.

6.2 **Ordering data.**—Requests, requisitions, schedules, and contracts or orders should specify the following:

a. Title, number, and date of this specification.

b. Type required. (See 1.2.)

c. A special sampling plan and acceptance criteria for any procurement wherein the incendiary mixture will be produced in a non-continuous manner.

6.3 The type II incendiary mixture should have a consistency in the range of 2 to 3 minutes.

6.4 **Caution.**—Adequate precaution should be taken to prevent fires or explosions incident to the preparation of the incendiary mixtures and while loading in accordance with this specification.

**Notice.**—When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

**Custodian:**

Army—Chemical Corps

**Other interest:**

Navy—OM.