

[NOT MEASUREMENT SENSITIVE]

A-A-59313

3-February 1999

SUPERSEDING

MIL-T-22361

8 March 1960

COMMERCIAL ITEM DESCRIPTION

THREAD COMPOUND; ANTISEIZE, ZINC DUST-PETROLATUM

The General Services Administration has authorized the use of this commercial item description for all federal agencies.

1. **SCOPE.** This commercial item description (CID) covers a zinc dust-petrolatum antiseize thread compound. The thread compound is generally used to prevent seizing during assembly or disassembly of threaded or unthreaded aluminum and aluminum alloy components engaged with components fabricated from similar or dissimilar metals. It also provides corrosion protection to the metal surfaces. The compound is not suitable for use with optical instruments.

2. SALIENT CHARACTERISTICS.

2.1 Composition. The thread compound shall be a smooth, homogeneous mixture of zinc dust and petrolatum as specified in table I.

2.2 Physical Properties. The thread compound shall conform to the requirements in table II.

2.3 Application. Care shall be taken against the application of too heavy a coating of the thread compound to components. A thin coating is all that is required to prevent seizing. In the case of blind holes, the application of an excessive amount of the compound may prevent proper seating of components. Under low temperature conditions, the compound hardens and is difficult to apply. It should be kept at room temperature for 24 to 48 hours prior to use.

3. **REGULATORY REQUIREMENTS.** The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any other data which may improve this document should be sent to: Commander, Naval Air Warfare Center Aircraft Division, Code 414100B120-3, Highway 547, Lakehurst, NJ 08733-5100.

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TABLE I. Composition.

Component	Percent by Weight	
	Minimum	Maximum
Zinc dust <u>1/</u>	41	43
Petrolatum <u>2/</u>	57	59

1/ Conforming to ASTM-D520, Type I.2/ Conforming to VV-P-236.TABLE II. Physical Properties.

Property	Requirement	Test Method
Penetration (normal worked)	160 to 280	ASTM-D217
Stability, maximum <u>1/</u>	5 ml of separation	ASTM-D96

1/ 50-gram sample centrifuged at a relative centrifugal force of 500 ± 25 at room temperature for 0.5 hour.

4. QUALITY ASSURANCE PROVISIONS.

4.1 Product Conformance. The product provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

4.2 Market Acceptability. The following market acceptability criteria are necessary to document the quality of the product to be provided under this CID.

4.2.1 The company producing the thread compound must have been producing a product meeting the requirements of this CID for at least 6 months.

5. PACKAGING.

5.1 Preservation, Packing, and Marking. Preservation, packing, and marking shall be as specified in the contract or order.

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6. NOTES.

6.1 Source of Documents.

6.1.1 ASTM Standards are available from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

6.1.2 The FAR may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402-0001.

6.1.3 Federal Standards and Specifications may be obtained from the General Services Administration Specifications Section, Suite 8100, 470 E. L'Enfant Plaza, SW, Washington, DC 20407.

6.2 Ordering Information. The purchaser should select the required options permitted herein and include the following information in procurement documents:

- a. Title, number, and date of this CID.
- b. Quantity.
- c. Preservation, packing, and marking.

6.3 National Stock Number.

8030-00-292-1102

MILITARY INTERESTS:

Custodians:

Army - MI
Navy - AS
Air Force - 99

Review Activities:

Army - CR4
Navy - YD2
Other - DS

CIVIL AGENCY COORDINATING ACTIVITY:

GSA/FSS - 10FTE

Preparing Activity:

Navy - AS

(Project 8030-0776)