

NOT MEASUREMENT SENSITIVE

A-A-59476

26 April 2000

SUPERSEDING

MIL-A-175C

11 August 1983

COMMERCIAL ITEM DESCRIPTION

AMMONIUM NITRATE, TECHNICAL

The General Services Administration has authorized the use of this commercial item description as a replacement for MIL-A-175C, Class 3, for all federal agencies.

1. **SCOPE.** This commercial item description (CID) establishes the government acquisition requirements for prilled ammonium nitrate to be used as a nitrating agent in explosives.

2. SALIENT CHARACTERISTICS

2.1 **Composition.** The prilled ammonium nitrate supplied shall be a white, free-flowing material and shall be free from dirt, oil, grease, or any visible impurity. The chemical composition of the ammonium nitrate shall meet the requirements of table I when the supplied product is tested using the methods described in "Reagent Chemicals", American Chemical Society (ACS) Specifications.

TABLE I. Chemical requirements.

Chemical Properties	% by Weight	Limit
Assay (NH ₄ NO ₃)	99.0	Minimum
Moisture	0.15	Maximum
Water-insoluble material	0.18	Maximum
Acidity, as nitric acid	0.02	Maximum
Nitrite	-----	Pass test
Sulfate	0.02	Maximum
Chloride	0.02	Maximum

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data that may improve this document should be sent to: Defense Supply Center Richmond (DSCR), ATTN: DSCR-VBD, 8000 Jefferson Davis Highway, Richmond, VA 23297-5610.

AMSC N/A

FSC 6810

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2.2 Sieve analysis. When tested in accordance with American Society for Testing and Materials (ASTM) B 214, "Standard Test Method for Sieve Analysis of Metal Powders" (DoD adopted), at least 99.9 percent by weight of any selected test specimen shall pass through a 6.3-millimeter (6300 micron) sieve. The sieves used shall comply with either ASTM E 11, "Standard Specification for Wire Cloth and Sieves for Testing Purposes" (DoD adopted), or ASTM E 323, "Standard Specification for Perforated-Plate Sieves for Testing Purposes" (DoD adopted).

3. REGULATORY REQUIREMENTS

3.1 Material safety data sheet (MSDS). The product manufacturer shall prepare and submit an MSDS meeting the requirements of FED-STD-313, "Material Safety Data, Transportation Data and Disposal Data for Hazardous Materials Furnished to Government Activities", and Part 1910.1200 of Title 29 Code of Federal Regulations (CFR).

4. PRODUCT CONFORMANCE PROVISIONS

4.1 Product conformance. The ammonium nitrate provided shall meet the salient characteristics requirements of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale on the commercial marketplace. The government reserves the right to require proof of such conformance.

4.2 Market acceptability. The product offered must have been previously sold either to the government or on the commercial market.

5. PACKAGING

5.1 Preservation, packing, and marking. For acquisition purposes, the products shall be preserved, packed, and marked as specified in the acquisition order (see 6.4(c)).

6. NOTES

6.1 Sources of documents.

6.1.1 Government documents. Copies of CFR and federal standards may be obtained from the U.S. Government Printing Office, Superintendent of Documents, Mail Stop: SSOP, Washington, DC 20402-9328. Electronic copies of CFR documents may be obtained from <http://www.access.gpo.gov>. Electronic copies of federal standards may be obtained from <http://astimage.daps.dla.mil/quicksearch/>.

6.1.2 ACS specifications. Copies of ACS Specifications may be obtained from the American Chemical Society, 1155 16th Street NW, Washington, DC 20036.

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6.1.3 ASTM standards. Copies of ASTM standards may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

6.2 National stock number (NSN). This CID is associated with NSN 6810-01-091-8676. Other NSNs may also correspond with this document.

6.3 Part or identification number (PIN). The part or identification numbering system is for government purposes and does not constitute a requirement for the contractor. A PIN number of A-A-59476-3 shall be used for tracking purposes.

6.4 Ordering data. Acquisition documents must specify the following information:

- a. Title, number, and date of this CID
- b. Unit and quantity required
- c. Packaging requirements (see 5.1)

MILITARY INTERESTS:

Custodians:

Navy - OS

Air Force - 68

Reviewers:

Navy - SH

**CIVIL AGENCY
COORDINATING ACTIVITY:**

GSA - 7FXE

Preparing activity:

DLA - GS

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