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METRIC

A-A-55827B
29 October 2009
SUPERSEDING
A-A-55827A
19 May 1998

COMMERCIAL ITEM DESCRIPTION

CHROMIUM TRIOXIDE, TECHNICAL

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

1. SCOPE. This commercial item description (CID) covers technical grade chromium trioxide, Chemical Abstract Service Registry Number (CAS#) 1338-82-0.

2. CLASSIFICATION. The chromium trioxide shall conform to the following types (see 7.3.b):

Type I – Flake
Type II - Crystalline

3. SALIENT CHARACTERISTICS. When tested using the methods and procedures described in the American Chemical Society (ACS) "Reagent Chemicals: Specifications and Procedures" (ACS 86-20569), the chromium trioxide shall meet the chemical requirements specified in table I. For type I, flake chromium trioxide, no more than 30 percent (by weight) shall pass through 600 µm (No. 30) sieve conforming to ASTM E11. For type II, crystalline chromium trioxide, no more than 30 percent (by weight) shall pass through 420 µm (No. 40) sieve conforming to ASTM E11.

TABLE I. Chemical requirements

Item	Specification
Assay (as CrO_3)	≥99.5%
Insolubles	≤ 0.10%
Chlorides	≤ 0.10%
Sulfate	≤ 0.20%

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data that may improve this document should be sent to: STDZNMGT@dla.mil or by mail to Defense Supply Center Richmond, ATTN: DSCR-VEB, 8000 Jefferson Davis Highway, Richmond, VA 23297-5616. Since contact information can change, you may want to verify the currency of this address information using the ASSIST database at http://assist.daps.dla.mil.

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4. REGULATORY REQUIREMENTS.

4.1 Recycled, recovered or environmentally preferable materials. Items shall be labeled, packed and marked in accordance with Title 49 Code of Federal Regulations (CFR), parts 100 to 199.

4.2 Material safety data sheet. Manufacturers shall prepare and submit a material safety data sheet (MSDS) in accordance with FED-DTD-313.

5. QUALITY ASSURANCE PROVISIONS.

5.1 Product conformance. The products provided shall meet the salient characteristics 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 in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Market acceptability. The item offered must have been sold to the government or commercial market.

6. PACKAGING. For acquisition purposes, the chromium trioxide shall be preserved, packed, and marked as specified in the contract or order (see 7.3.d).

7. NOTES.

7.1 Part identification number (PIN). The following part identification numbering procedure is for Government purposes and does not constitute a requirement for the contractor.

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Type I – Flake
II – Crystalline

CID number

7.2 Source of documents.

7.2.1 Copies of the Code of Federal Regulation (CFR) may be obtained form the U.S. Government Printing Office, 732 North Capital Street NW, Washington, DC 20401-0001 or online at www.gpo.gov.

7.2.2 Copies of federal standards are available online at http://assist.daps.dla.mil/quicksearch/ or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.

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7.2.3 Copies of Chemical Abstract Service documents may be obtained from the Chemical Abstract Service, P.O. Box 3012, Columbus, OH 43210 or on line at www.cas.org.

7.2.4 Copies of American Chemical Society (ACS) documents may be obtained from the American Chemical Society, 1155 16th Street NW, Washington, DC 20036 or online at www.acs.org.

7.2.5 Copies of ASTM documents may be obtained from ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 or online at www.astm.org.

7.3 Ordering data. Acquisition documents must specify the following:

a. Title, number, and date of this document.
b. Type of chemical required (type I or II, see 2.).
c. Unit quantity required.
d. Preservation, packing and marking requirements (see 5.1).

7.4 National stock numbers (NSNs). The NSNs 6810-00-264-6517 and 6810-00-264-3939 correspond to this CID. These may not be the only NSNs associated with this document.

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