

[METRIC]
A-A-55827
October 9, 1996
SUPERSEDING
O-C-303D
August 1, 1986

COMMERCIAL ITEM DESCRIPTION

CHROMIUM TRIOXIDE, TECHNICAL

The General Services Administration has authorized the use of this commercial item description as a replacement for O-C-303D 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:

Type I - Flake

Type II - Crystalline

3. **SALIENT CHARACTERISTICS.** When tested using the methods and procedures of the American Chemical Society (ACS), "Reagent Chemicals, American Chemical Society Specifications," the chromium trioxide shall meet the specifications of table 1. No more than 30 percent (by weight) of the Type I, flake chromium trioxide, shall pass through a 600 μm (No.30) sieve conforming to American Society for Testing and Materials (ASTM) E11. No more than 30 percent (by weight) of the Type II, crystalline chromium trioxide, shall pass through a 420 μm (No.40) sieve conforming to American Society for Testing and Materials (ASTM) E11.

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

AMSC N/A

FSC 6810

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

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TABLE 1. Chromium trioxide specifications.

Item	Specification
Assay (as CrO ₃)	≥ 99.5%
Insolubles	≤ 0.10%
Chlorate	≤ 0.10%
Sulfate	≤ 0.20%

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 sheets. Material safety data sheets shall be furnished in accordance with FED-STD-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. Preservation, packing, labeling, and marking shall be as specified in the contract or order.

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7. NOTES

7.1 Source of documents.

7.1.1 American Society for Testing and Materials (ASTM) documents may be obtained from the American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

7.1.2 The Code of Federal Regulations may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402-0001.

7.1.3 Chemical Abstract Service files and data base may be obtained from the Chemical Abstract Service, Customer Services, PO Box 3012, Columbus, OH 43210.

7.1.4 American Chemical Society specifications may be obtained from the American Chemical Society, 1155 Sixteenth Street, NW, Washington, DC 20036.

7.1.5 Copies of Federal Standards may be obtained from the procuring activity or as directed by the contracting officer.

7.2 Ordering data. Acquisition documents must specify the following:

- a. Title, name, and date of this CID.
- b. Type of chemical required, i.e., flake or crystalline.
- c. Unit quantity required.
- d. Packaging requirements.

7.3 National stock numbers (NSN). NSN 6810-00-264-6517 corresponds to this CID. This NSN may not be representative of all NSNs associated with this document.

7.4 Sources of supply. The following products are known to meet the requirements of this CID. Competition is not to limited to the suppliers on this list.

Name of Company

SAF Bulk Chemicals
PO Box 2060
Milwaukee, WI 53233
(800) 336-9719

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J.T. Baker
222 Red School Lane
Phillipsburg, NJ 08865
(800) 582-2537

Mallinckrodt Chemical
PO Box 800
Paris, Kentucky 40362
(800) 354-2050

American Chrome and Chemical
3800 Buddy Lawrence Dr.
Corpus Christi, TX 78469
(512) 883-5145

Custodians

Army - EA
Air Force - 68

Reviewers

Army - AR, MI, CR, MD-1
Navy - AS, OS

CIVIL AGENCY COORDINATING ACTIVITIES:

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PREPARING ACTIVITY:
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(Project Number: 6810-1382)