

[METRIC]  
A-A-55827A  
19 May 1998  
SUPERSEDING  
A-A-55827  
11 October 1986

## COMMERCIAL ITEM DESCRIPTION

### CHROMIUM TRIOXIDE, TECHNICAL

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

1. SCOPE. This commercial item description 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 7.2):

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 600  $\mu\text{m}$  (No.30) sieve conforming to ASTM E11. No more than 30 percent (by weight) of the type II, crystalline chromium trioxide, shall pass through 420  $\mu\text{m}$  (No.40) sieve conforming to 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
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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 <sub>3</sub> )	≥ 99.5%
Insolubles	≤ 0.10%
Chlorides	≤ 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 (MSDSs). MSDs 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 Reference documents.

7.1.1 ASTM documents. 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 Code of Federal Regulations. 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 documents. Chemical Abstract Service files and data base may be obtained from the Chemical Abstract Service, Customer Services, P.O. Box 3012, Columbus, OH 43210.

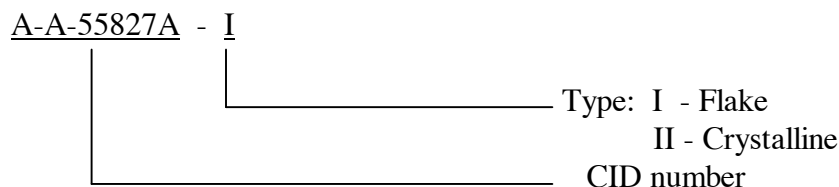
7.1.4 American Chemical Society documents. American Chemical Society specifications may be obtained from the American Chemical Society, 1155 Sixteenth Street, N.W., Washington, DC 20036.

7.1.5 Federal documents. 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 (see 2.1).
- c. Unit quantity required.
- d. Packaging requirements.

7.3 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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7.4 National stock numbers (NSNs). NSN 6810-00-264-6517 corresponds to this CID. This may not be indicative of all possible NSNs associated with this document.

7.5 Sources of Supply. The following products are known to meet the requirements of this CID. Competition is not to be limited to these suppliers:

Name of Company

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

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

Mallinckrodt Chemical  
P.O. 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  
Navy - AS

CIVIL AGENCY COORDINATING ACTIVITIES:

USDA-APS  
VA-OSS  
GSA-10FTE

Review

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

PREPARING ACTIVITY:

DLA-GS

(Project 6810-1589)