

A-A-50800  
April 23, 1981

## COMMERCIAL ITEM DESCRIPTION

### CADMIUM OXIDE

The General Services Administration has authorized the use of this commercial item description in preference to MIL-C-6151A.

This commercial item description covers cadmium oxide (CdO) for use in the preparation of cadmium plating solutions.

#### Salient characteristics:

Appearance: The cadmium oxide shall be a finely divided reddish-brown powder free from lumps or foreign material.

Assay: The cadmium oxide shall be a minimum of 87.0% by weight cadmium.

Trace metals: The material shall not contain more than 0.050% total by weight of silver + lead + tin + copper + mercury + zinc + iron and 0.005% total by weight of arsenic + antimony + thallium.

Volatile material: The material shall not lose more than 0.50% by weight of volatile material when heated for 2 hours at 105°C.

Test methods. The contractor shall use the same test methods that he uses to test his commercial product.

Certification. The contractor shall certify that the product offered meets the characteristics of this description and that the product conforms to the producer's own drawings, specifications, standards and quality assurance practices and is the same product offered for sale in the commercial market place. The Government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Packaging, packing, and marking. The packaging, packing and marking shall be in accordance with normal commercial practice and shall assure acceptance by common carrier and provide product protection against loss and damage during multiple shipments, handling, and storage. The shipping container shall be in compliance with the National Motor Freight Classification and Uniform Freight Classification. Additional marking shall be as specified in the contract or order and as required by Federal regulations governing hazardous materials.

#### CUSTODIANS:

Navy - AS  
 Air Force - 68

#### PREPARING ACTIVITY:

Air Force - 68  
 (PROJECT: 6810-B200)

#### REVIEWER ACTIVITIES:

DLA - GS