METRIC

A-A-59303B
1 July 2015
SUPERSEDIN
G A-A-59303A
7 June 2010

COMMERCIAL ITEM DESCRIPTION

TALC, TECHNICAL

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

1. SCOPE. This commercial item description (CID) covers two types of modified commercial grade talc. Type T1 is intended for use as a stimulant for riot control agents CS (orthochlorobenzylidene malononitrile), CS1 and CS2, and for use in dusting and lubrication. Type T4 is intended for use in repairing and retreading pneumatic tires on ground vehicles.

2. CLASSIFICATION. The talc shall be of the following types as specified (see 7.3)

Type T1 - 35/65 silicon dioxide

Type T4 - 53 micrometer (µm)

3. SALIENT CHARACTERISTICS

3.1 Chemical and physical characteristics. Talc shall conform to the chemical and physical characteristics of Table I when tested as specified herein.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data that may improve this document should be sent to DLA Aviation, VEB, 8000 Jefferson Davis Highway, Richmond, VA 23297-5616 or e-mailed to STDZNMGT@dla.mil. Since contact information can change, you may want to verify the currency of this address information using the ASSIST database at **https://assist.dla.mil**.

TABLE I. Chemical and physical characteristics.

Characteristics	Type T1		Type T4	Test paragraph
	Min.	Max.	Max.	
Silicon dioxide, percent by weight	35	65	-	3.2
Magnesium oxide, percent by weight	20	40	-	3.2
Asbestos and other fibers	-	None detected	None detected	3.3
Percent by weight retained on a sieve	-	5	10	3.4

Abbreviations: Min. = minimum; Max. = maximum

3.2 Oxide tests – x-ray fluorescence (XRF) spectrometer method.

3.2.1 Instrument calibration. Certified magnesium oxide reference materials, plus other certified reference materials, shall be used in instrument calibration. The method by which the reference materials are prepared for instrument calibration must be identical to that for all samples.

3.2.2 X-ray emission spectrometric analysis. The x-ray emission spectrometric analysis of magnesium oxide shall be performed by the same conditions and parameters established at the time of instrument calibration

3.2.3 Ignition. Samples shall be ignited to the oxide basis. Samples are then fused with lithium tetraborate, cast to form a fused glass disk, tempered and readied for x-ray analysis.

3.2.4 Magnesium oxide content. Determine magnesium oxide content of each sample. The spectrometer shall produce a report that shows the silicon dioxide and magnesium oxide content.

3.2.5 Oxide tests – alternate method. Determine the silicon dioxide and magnesium oxide content weight of the sample in accordance with ASTM D717, Standard Test Methods for Analysis of Magnesium Silicate Pigment.

3.3 Asbestos and other fibers. Talc, technical, shall be fiber free. For purposes of this test, a fiber is a particle that has a length greater than 5 micrometers and an aspect ratio (length to width ratio) of 3 or more to 1. Determine the presence of fibers in accordance with Environmental Protection Agency test method EPA/600/R-93/116, Method for the Determination of Asbestos in Bulk Building Materials.

3.4 Percent retained on sieve.

3.4.1 Percent retained on sieve, Type T1. Determine the percent by weight of specimen retained on a No. 400 (38 µm) sieve in accordance with ASTM D185, Standard Test Methods for Coarse Particles in Pigments.

3.4.2 Percent retained on sieve, Type T4. Determine the percent by weight of specimen retained on a No. 270 (53 µm) sieve in accordance with ASTM D185, Standard Test Methods for Coarse Particles in Pigments.

4. REGULATORY REQUIREMENTS

4.1 Marking, packaging, and labeling. Material shall be labeled, packed, and marked in accordance with Title 49, Code of Federal Regulations (CFR) paragraphs 100 to 185.

4.2 Recycled materials. The offerer/contractor is encouraged to use recovered materials to the maximum extent practical, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

4.3 Safety data sheet (SDS). The manufacturer shall comply with requirements set forth by the Hazardous Communication Standard 29 CFR paragraph 1910.1200 (d) through (g).

5. PRODUCT CONFORMANCE 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 marketplace. The government reserves the right to require proof of such conformance.

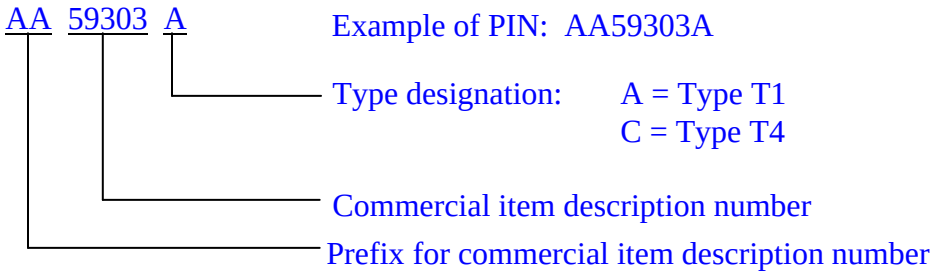
5.2 Market acceptability. The following market acceptability criteria are necessary to document the quality of the product to be provided under this CID:

a. The item offered must have been sold to the government within the past 2 years.
b. The company must be able to show test data or lab results of meeting the salient characteristics of the talc.

6. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES. This section contains information of a general or explanatory nature which is helpful, but is not mandatory.

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



7.2 Sources of documents.

7.2.1 CFR and FAR. Copies of CFR and FAR are available online from **www.access.gpo.gov**.

7.2.2 ASTM standards. Copies of ASTM documents are available online from **www.astm.org**.

7.2.3 Environmental Protection Agency (EPA) methods. Copies of EPA documents are available online from **http://www.epa.gov**.

7.3 Ordering data. Acquisition documents must specify the following:

a. Title, number, and date of this commercial item description.
b. Type of talc required (see 2).
c. Unit of issue and quantity.

7.4 National stock numbers (NSNs). The following NSNs correspond to this CID. They may not be indicative of all possible NSNs for this document.

TABLE II. NSNs and type.

NSN	Type	Unit of issue size
6810-00-270-9988	T4	5 lbs.
6810-00-270-9989	T4	1 lb.
6810-00-270-9990	T4	2 lbs.
6810-00-543-7612	T1	55 gal.
6810-01-080-9589	T1	5 lbs.

MILITARY INTERESTS:

Custodians:

Air Force – 68
Army – EA

Review Activity:
Army – MD1

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FAS

Preparing Activity:
DLA - GS3

(Project 6810-2015-015)

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