

[METRIC]
A-A-59107
9 September 1997
SUPERSEDING
TT-T-548F
1 November 1991

COMMERCIAL ITEM DESCRIPTION

TOLUENE, 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 one technical grade of toluene.

2. SALIENT CHARACTERISTICS

2.1 Chemical and physical characteristics. Toluene shall conform to the chemical and physical characteristics of table I when tested as specified therein.

2.2 Water. Place 10 milliliters (mL) of the sample in a dry, loosely stoppered test tube (16 by 150 millimeters (mm)) and place in a water bath at 20°C (68°F). On viewing the test tube transversely at the end of 3 minutes, no turbidity should be observed and no free water should appear on the bottom of the tube.

3. REGULATORY REQUIREMENTS

3.1 Labeling, packaging and marking. Item shall be labeled, packed and marked in accordance with Title 49 Code of Federal Regulations (CFR) Parts 100 to 185.

3.2 Material safety data sheets. Material safety data sheets shall be prepared and furnished in accordance with 29 CFR 1910.1200.

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

AMSC N/A

FSC 6810

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

TABLE I. Chemical and physical characteristics of technical grade toluene.

Requirement	Specification Limit	Test Method
Specific Gravity 20°C/20°C (68°F/68°F)	0.860 - 0.870	ASTM ⁽¹⁾ D 891 ⁽²⁾
Color platinum-cobalt scale	No. 20 max	ASTM D 1209
Distillation range at 760 mm Hg	Not more than 2°C from initial boiling point to dry point, including the temperature of 110.6°C	ASTM D 850 ⁽³⁾
Residual odor	None	ASTM D 1296
Water at 20°C	No evidence of turbidity or free water	Paragraph 2.2 of this CID
Acidity	No evidence of acidity	ASTM D 847
Acid color wash	Not darker than No. 4 color standard	ASTM D 848
Sulfur compounds	Free of hydrogen sulfide and sulfur dioxide	ASTM D 853
Copper corrosion	Pass	ASTM D 849

⁽¹⁾ ASTM is the American Society for Testing and Materials.

⁽²⁾ Measured to the third decimal place.

⁽³⁾ Using an ASTM No. 41C thermometer.

4. QUALITY ASSURANCE PROVISIONS

4.1 Product conformance. The product 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

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

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

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

6.1 Source of documents.

6.1.1 ASTM documents are available from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

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

6.2 Ordering data. Acquisition documents must specify the following:

- a. Title, name, and date of this CID.
- b. Unit quantity required.
- c. Packaging requirements.

6.3 National stock numbers (NSNs). The following NSNs correspond to this CID. This list may not be indicative of all possible NSNs associated with this document.

6810-00-281-2002
6810-00-290-0046
6810-00-290-0048
6810-00-579-8431
6810-00-711-2185
6810-00-735-1751

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

Company

Occidental Chemical Corporation
Petrochemicals Group
Occidental Tower
5005 LBJ Freeway
Dallas, TX 75244
(800) 752-5151

A-A-59107

Phillips Chemical Company
Bartlesville, OK 74004
(918) 661-6600

Ashland Chemical Company
P.O. Box 2219
Columbus, OH 43216
(614) 790-3333

MILITARY INTERESTS:

Custodians

Army - EA
Navy - SH
Air Force - 68

Reviewers

Army - AR, MD1, MI
Navy - MC, OS
DLS - DS

**CIVIL AGENCY COORDINATING ACTIVITY:
GSA - FSS**

Preparing Activity:
DLA - GS
(Project No: 6810-1384)