METRIC
A-A-59760B
9 March 2020
SUPERSEDING
A-A-59760A
7 November 2014

COMMERCIAL ITEM DESCRIPTION

TEN-DEGREE XYLENE

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 ten-degree xylene for use in organic coating and rotogravure inks.

2. CLASSIFICATION. The ten-degree xylene shall be classified by size. The selected size of the product to be supplied shall be one of the following sizes as specified in the acquisition order (see 7.3(b)).

Size:
- A - 1-quart can
- B - 1-gallon can
- C - 5-gallon can
- D - 54-gallon drum
- E - 16-ounce or 1 pint can

3. SALIENT CHARACTERISTICS. The ten-degree xylene shall conform to the following physical and chemical characteristics:

3.1 Appearance. The xylene shall be a clear liquid free of sediment or haze at 18.3 °C to 25.6 °C (65 °F to 78 °F) upon visual inspection.

3.2 Color. The xylene shall not be darker than 20 maximum on the platinum-cobalt scale when tested in accordance with ASTM D1209, "Standard Test Method for Color of Clear Liquids (Platinum-Cobalt Scale)."

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.

3.3 Specific gravity. The specific gravity of the xylene shall be 0.860 to 0.875 when tested in accordance with ASTM D3505, "Standard Test Method for Density or Relative Density of Pure Liquid Chemicals," at 15.56 °C/15.56 °C (60 °F/60 °F).

3.4 Density. The density of the xylene shall be 0.856 g/cm^3 to 0.872 g/cm^3 at 20 °C (68 °F) when tested in accordance with ASTM D3505.

3.5 Distillation. The xylene distillation range at approximately 760 mm Hg pressure shall be as follows when tested in accordance with ASTM D850, "Standard Test Method for Distillation of Industrial Aromatic Hydrocarbons and Related Materials," using an ASTM Solvents Distillation Thermometer 41C conforming to ASTM E1, "Standard Specification for ASTM Liquid-in-Glass Thermometers", or equivalent:

a. Total distillation range shall not be more than 10 °C (18 °F).
b. Initial distillation temperature (first drop) shall not be below 135 °C (275 °F).
c. Dry point shall not be above 145 °C (293 °F).

3.6 Acid wash color. The xylene acid wash color shall not be darker than number 6 color standard when tested in accordance with ASTM D848, "Standard Test Method for Acid Wash Color of Industrial Aromatic Hydrocarbons."

3.7 Acidity. The xylene shall contain no free acid. The xylene shall show no evidence of acidity when tested in accordance with ASTM D847, "Standard Test Method for Acidity of Benzene, Toluene, Xylenes, Solvent Naphthas, and Similar Industrial Aromatic Hydrocarbons."

3.8 Sulfur compounds. The xylene shall be free of hydrogen sulfide (H_2S) and sulfur dioxide (SO_2) when tested in accordance with ASTM D4952, "Standard Test Method for Qualitative Analysis for Active Sulfur Species in Fuels and Solvents (Doctor Test)."

3.9 Copper corrosion. When tested in accordance to ASTM D849, "Standard Test Method for Copper Strip Corrosion by Industrial Aromatic Hydrocarbons," the copper strip shall not show iridescence nor discoloration beyond class 3b as outlined in the table “Copper Strip Classifications.”

4. REGULATORY REQUIREMENTS

4.1 Labeling, packaging, and marking. Item shall be labeled, packed, and marked in accordance with 49 Code of Federal Regulations (CFR), Parts 100 to 199, unless otherwise specified in the acquisition order (see 7.3.(c)).

4.2 Safety data sheet (SDS). Manufacturers shall prepare and submit a SDS in accordance with FED-STD-313, "Material Safety Data, Transportation Data and Disposal Data for Hazardous Materials Furnished to Government Activities," and meeting the requirements of 29 CFR § 1910.1200, "Occupational Safety and Health Standards: Hazard Communication."

4.3 Recovered materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. PRODUCT CONFORMANCE PROVISIONS

5.1 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. Any certificate of analysis (COA) offered with the product to the commercial market shall be provided with each lot or batch of product. The lot or batch number and the date of inspection/analysis from the offer shall be on each COA. A full COA proving the salient characteristics of the product meets government requirements shall be provided upon request.

5.2 Market acceptability. The product offered must have been previously sold either to the government or on the commercial market.

6. PACKAGING

6.1 Preservation, packing and marking. Preservation, packing and marking shall be as specified in the acquisition order (see 7.3(c)).

7. NOTES

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

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- X — Size:
  - A - 1-quart can
  - B - 1-gallon can
  - C - 5-gallon can
  - D - 54-gallon drum
  - E - 16-ounce or 1 pint can
- AA59760 — CID number

Example of reference part number AA59760-A indicates: Xylene in 1-quart can.

7.2 Sources of documents.

7.2.1 Electronic copies of CFR documents can be obtained from https://gov.ecfr.io/cgi-bin/ECFR.

7.2.2 Electronic copies of FAR documents may be obtained from https://www.acquisition.gov/browse/index/far.

7.2.3 Copies of FED-STD-313 can be obtained from https://quicksearch.dla.mil.

7.2.4 Electronic copies of ASTM documents may be obtained from https://www.astm.org/.

7.3 Ordering data. The acquisition order should specify the following information:

a. CID document number, revision, and CID PIN.
b. Preservation, packing, and marking.

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

NSN	Container size
6810-00-584-4071	1-quart can
6810-00-598-6600	1-gallon can
6810-00-584-4070	5-gallon can
6810-00-290-4166	54-gallon drum
6810-00-257-2479	16-ounce or 1 pint can

7.5 Shelf-life. This specification covers items where the assignment of a Federal shelf-life code is a consideration. Specific shelf-life requirements should be specified in the contract or purchase order, and should include, as a minimum, shelf-life code, shelf-life package markings in accordance with MIL-STD-129 or FED-STD-123, preparation of a materiel quality storage standard for type II (extendible) shelf-life items, and a minimum of 85 percent shelf-life remaining at time of receipt by the Government. These and other requirements, if necessary, are in DoDM 4140.27 Volume 1, DoD Shelf-Life Management Program: Program Administration, and DoDM 4140-27 Volume 2, DoD Shelf-Life Management Program: Materiel Quality Control Storage Standards. The shelf-life codes are in the Federal Logistics Information System Total Item Record. Additive information for shelf-life management may be obtained from DoDM 4140.27 Volumes a and 2, or the designated shelf-life Points of Contact (POC). The POC should be contacted in the following order: (1) the Inventory Control Points that manage the item and (2) the DoD Service and Agency administrators for the DoD Shelf-Life Program. Appropriate POCs for the DoD Shelf-Life Program can be contacted through the DoD Shelf-Life Management website: https://www.shelflife.dla.mil/.

7.6 Changes from previous issues. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the previous issue.

MILITARY INTERESTS:
Custodians:
Army - MR
Navy - SH
Air Force - 68
DLA - GS

CIVIL AGENCY
COORDINATING ACTIVITY:

GSA – FAS

Review Activities:
Army - CR4, EA, GL
Navy - AS
Air Force - 03

Preparing Activity:
DLA - GS3
(Project 6810-2020-005)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST database at https://assist.dla.mil/.