

[METRIC]
A-A-59106
26 August 1998
SUPERSEDING
TT-E-781D
3 December 1992

COMMERCIAL ITEM DESCRIPTION

ETHYLENE GLYCOL MONOETHYL ETHER, TECHNICAL

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

1. **SCOPE.** This commercial item description covers technical grade ethylene glycol monoethyl ether.

2. SALIENT CHARACTERISTICS

2.1 Appearance. Ethylene glycol monoethyl ether shall be clear and uniform when visually inspected using transmitted light.

2.2 Chemical and physical characteristics. Ethylene glycol monoethyl ether shall conform to the chemical and physical characteristics of Table I when tested as specified therein.

2.3 Spot test. Support a piece of 125 millimeter (mm) diameter filter paper (Whatman No. 2 or equal) on a crystallizing dish, which is 70 mm in diameter. Using a small pipette or burette, place five drops of the specimen the center of the paper. Allow the liquid to evaporate at 21°C to 32°C, away from both sunlight and strong drafts. After 30 minutes examine the filter paper for the presence of any stains or residual oiliness.

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.

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TABLE I. Chemical and physical characteristics.

Characteristics	Requirements		Test Method
	Min	Max	
Color, Pt-Co Scale	---	Number 15	ASTM D 1209
Odor	---	Mild, Non-residual	ASTM D 1296
Water content, percent by weight	---	0.1	ASTM D 1364
Specific gravity at 20°/20°C	0.929	0.932	ASTM D 891
Nonvolatile matter (g/100 ml sample)	---	0.005	ASTM D 1353
Acidity (free acid as acetic acid), percent by weight	---	0.01	ASTM D 1613
Distillation range, °C	134.0	136.0	ASTM D 1078 ⁽¹⁾
Flash Point, °C	38.0	---	ASTM D 56
Evaporation rate (n-butyl acetate = 1.0)	---	0.34	ASTM D 3539
Spot test	---	none	para 3.3 of this description
Sulfur	---	none	ASTM D 853

⁽¹⁾ Using ASTM Solvents Distillation Thermometer 102C, with a range from 123°C to 177°C.

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 171 to 199.

3.2 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). Unless otherwise specified herein, all equipment, material, and articles incorporated in the work covered by this CID are to be new and fabricated using materials produced from recovered materials to the maximum extent possible without jeopardizing the intended use. The term “recovered materials” means materials which have been collected or recovered from solid waste and reprocessed to become a source of raw materials, as opposed to virgin raw materials. Unless otherwise specified, none of the above shall be interpreted to mean that the use of used or rebuilt products are allowed under this CID.

3.3 Material safety data sheets (MSDSs). MSDSs shall be prepared and furnished in accordance with 29 CFR 1910.1200 and submitted as directed in the contract or order at time of acquisition award.

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 marketplace. 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.

6.1 Source of documents.

6.1.1 American Society for Testing and Materials standards may be obtained 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.

6810-00-100-2570

6810-00-222-2751

6810-00-285-4309

6.4 Sources of supply. The following companies are known to meet the requirements of this CID. Competition is not limited to these suppliers.

Company

Union Carbide Corporation
10235 West Little York, Suite 300
Houston, TX 77040
(800) 568-4000

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

MILITARY INTERESTS:

Custodians:

Air Force - 68

Army - EA

Reviewers:

Army - MD1

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA - FSS

Preparing Activity:

DLA - GS

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