

[NOT MEASUREMENT SENSITIVE]

A-A-2897

January 5, 1995

## COMMERCIAL ITEM DESCRIPTION

### BUTANE, PROPANE, AND BUTANE-PROPANE MIXTURES

The General Services Administration has authorized the use of this commercial item description in lieu of BB-G-110, for all Federal Agencies.

1. **SCOPE.** This description covers commercial liquefied petroleum gases, also known as LP gases.
2. **CLASSIFICATION.** The liquefied petroleum gases shall be of the following types, as specified (see 7.1)
  - Type I - Butane
  - Type II - Propane
  - Type III - Butane-Propane Mixtures
3. **SALIENT CHARACTERISTICS.** The specified liquefied petroleum gas shall meet the requirements of Gas Processors Association (GPA) Standard 2140-92, "Liquefied Petroleum Gas Specifications and Test Methods". The requirements shall be verified using the test methods given for the following product designations:
  - Type I - Commercial Butane
  - Type II - Propane HD-5
  - Type III - Commercial B-P Mixtures
4. **REGULATORY REQUIREMENTS.** The product, containers, piping, fittings and end-use equipment, including venting, shall comply with the requirements of National Fire Protection Association NFPA/ANSI 58, "Standard for the Storage and Handling of Liquefied Petroleum Gases" and NFPA 54, "National Fuel Gas Code".
5. **QUALITY ASSURANCE PROVISIONS.** The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this Commercial Item Description, and that the product conforms to the producer's own drawings, specifications, standards and quality assurances practices, and is the same product offered for sale in the commercial marketplace. The government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.
6. **PACKAGING.**
  - 6.1 Cylinders. The product shall be packaged in contractor or government owned containers, as specified (see 7.1). The type and size of container shall be as specified in the contract or purchase order.
    - 6.1.1 Contractor owned containers shall meet the requirements of and be marked in accordance with Code of Federal Regulations(CFR), Title 49, Transportation, parts 171-180. Additional marking shall be as specified in the contract or purchase order (see 7.1).
    - 6.1.2 Government owned containers shall be inspected, maintained, charged and marked in accordance with MIL-STD 1411, "Inspection and Maintenance of Compressed Gas Cylinders". They shall be identified and color coded according to MIL-STD-101, "Color Code for Pipelines and for Compressed Gas Cylinders".

Beneficial comments, recommendations, additions, deletions, clarification's, etc. and any data which may improve this document should be sent to: General Services Administration, Engineering and Commodity Management Division (9FTE-10), 400 15th St. SW, Auburn, WA 98001

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**7. NOTES.**

7.1 Ordering data. Purchasers should select the preferred options permitted herein and include the following information in procurement documents:

- a) Title, number and date of this document.
- b) Type of gas (see Section 2)
- c) Containers and equipment (see 6.1)
- d) Whether the container is contractor supplied or government owned (see 6.1)
- e) Quantity required (see 6.1)
- f) Packing required
- g) Additional marking required (see 6.1.1)
- h) Palletization requirements

7.2 Referenced documents.

CFR, Title 49, Transportation is available from the Superintendent of Documents, Government Printing Office, Washington, DC 20402-9371.

MIL-STD-1411 and MIL-STD 101 are available from the Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

NFPA 54 and NFPA/ANSI 58 may be ordered from National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269-9101.

GPA Standard 2140-92 is available from the Gas Processors Association, 6526 East 60th Street, Tulsa, 74145.

**MILITARY INTERESTS:****Custodians:**

Navy - YD  
Army - ME  
Air Force - 68

**Review activities:**

Navy - SH  
Army - ME

**User activities:**

Navy - MC  
Army - MI

**Military coordinating activity:**

Navy - YD

**Preparing activity:**

GSA-FSS

**CIVIL AGENCIES INTEREST:**

DOT-FAA  
GSA-FSS  
PO