

METRIC

A-A-59132A

7 June 2010

SUPERSEDING

A-A-59132

30 January 1998

COMMERCIAL ITEM DESCRIPTION

AMYL ACETATE, 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 amyl acetate, $\text{CH}_3\text{COO}[\text{CH}_2]_4\text{CH}_3$. The Chemical Abstract Service Registry Number (CAS#) for amyl acetate is 628-63-7.

2. SALIENT CHARACTERISTICS

2.1 Appearance. Amyl acetate shall be a clear liquid, free of sediment and suspended matter, when visually examined in accordance with the following procedure. Pour approximate 25 mL of the specimen into a clean, dry test tube. Allow to stand for no less than 10 minutes. Examine by transmitted light for clarity, sediment and suspended matter.

2.2 Chemical and physical requirements. Amyl acetate shall conform to the chemical and physical characteristics of table I when tested as specified therein.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data that may improve this document should be sent to: STDZNMGT@dla.mil or Defense Supply Center Richmond (DSCR), ATTN: DSCR-VEB, 8000 Jefferson Davis Highway, Richmond, VA 23297-5616. Since contact information can change, you may want to verify the currency of this address information using the ASSIST database at <https://assist.daps.dla.mil>.

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Table I. Chemical and physical characteristics.

Characteristics	Requirements		ASTM Test method
	Minimum	Maximum	
Color, platinum-cobalt	---	No. 15	D1209
Odor	---	No residual	D1296 ⁽¹⁾
Water content, percent by weight	---	0.2	D1364
Specific gravity, 20°C/20°C	0.871	0.879	D891
Nonvolatile matter (g/100mL)	---	0.005	D1353
Acidity (mg of KOH/g)	---	0.28	D1613
Distillation			D1078
Initial boiling point at 760 mm pressure (°C)	124	---	
Distillate below 130°C, percent by volume	---	10	
Distillate below 140°C, percent by volume	---	75	
Dry point at 760 mm pressure (°C)	---	155	
Ester content, percent by weight	95	---	D1617

⁽¹⁾ Residual odor test with 2 hour dry time

3. REGULATORY REQUIREMENTS

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

3.2 Recovered materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.4.3 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 intend 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 commercial item description

3.3 Material safety data sheet (MSDS). An MSDS 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.

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4. PRODUCT CONFORMANCE PROVISIONS

4.1 Product conformance. The products provided shall meet the salient characteristics of this CID, 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 product offered must have been previously sold either to the government or on the commercial market.

5. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order (see 6.2(c)).

6. NOTES

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

6.1 Sources of documents.

6.1.1 Copies of ASTM documents may be obtained from ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 or online at www.astm.org.

6.1.2 Copies of the CFR and FAR may be obtained from the U.S. Government Printing Office, 732 North Capital Street NW, Washington, DC 20401-0001 or online at www.gpo.gov.

6.2 Ordering data. Acquisition documents must specify the following:

- a. Title, number and date of this commercial item description.
- b. Unit and quantity required.
- c. Packaging requirements (see 5).

6.3 National stock number (NSN). NSN 6810-00-174-6604 corresponds to this commercial item description. This may not be indicative of all NSNs associated with this document.

6.4 Key words. Alternate names of amyl acetate include:

pentyl acetate
n-Amyl acetate
pentyl ethanoate
Acetic acid pentyl ester
Acetic acid n-amyl ester

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MILITARY INTERESTS:

Custodians

Army – EA
Air Force – 68
Navy – AS
DLA – GS

Reviewers

Army – MD1
Navy – OS

CIVIL AGENCY
COORDINATING ACTIVITY:

GSA – FAS

Preparing Activity:
DLA – GS3

(Project 6810-2010-007)

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