

METRIC

A-A-55820A
16 February 2011
SUPERSEDING
A-A-55820
1 August 1996

COMMERCIAL ITEM DESCRIPTION

ORTHOPHOSPHORIC (PHOSPHORIC) ACID, 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 two classes of technical grade orthophosphoric (phosphoric) acid, Chemical Abstracts Service (CAS) Registry Number 7664-38-2.
2. **CLASSIFICATION.** The orthophosphoric (phosphoric) acid shall conform to the following classes, as specified (see 7.3(b)):

Class 1 - 85 percent acid
Class 2 - 75 percent acid

3. SALIENT CHARACTERISTICS

3.1 Chemical and physical characteristics. Orthophosphoric (phosphoric) acid shall conform to the chemical and physical characteristics of table I when tested using the methods and procedures of the American Chemical Society (ACS), "Reagent Chemicals, American Chemical Society Specifications".

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data that may improve this document should be sent to: STDZNMGT@dla.mil or Defense Logistics Agency Aviation 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	Class 1	Class 2
Assay (as H ₃ PO ₄)	≥85.0%	≥75.0%
Sulfates (as SO ₄)	≤0.35%	not specified
Arsenic (As)	≤0.001%	≤0.06%
Alkali and other phosphates	≤0.25%	not specified
Heavy metals (Pb)	≤0.005%	not specified
Volatile acids (as acetic acid)	not specified	≤0.10%
Specific gravity at 20°/4 °C	≥1.690	≥1.580

4. REGULATORY REQUIREMENTS

4.1 Labeling, packaging, and marking. Items shall be labeled, packed, and marked in accordance with 49 Code of Federal Regulations (CFR), Parts 100 to 199.

4.2 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).

4.3 Material safety data sheet (MSDS). A MSDS shall be furnished in accordance with FED-STD-313, "Material Safety Data, Transportation Data and Disposal Data for Hazardous Materials Furnished to Government Activities", and 29 CFR 1910.1200, "Hazard Communication".

4.4 Hazard warning label. Occupational Safety and Health Administration hazard warning label shall be furnished in accordance with 29 CFR 1910.1200.

5. PRODUCT CONFORMANCE PROVISIONS

5.1 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.

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

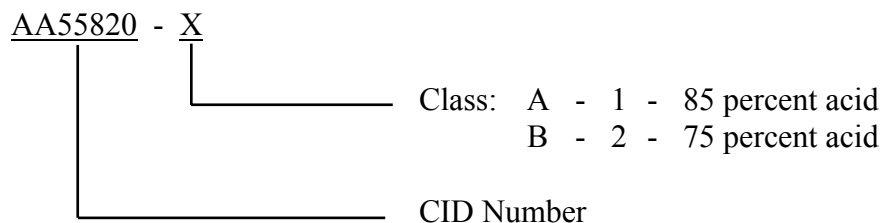
6. PACKAGING

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

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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.



Example of reference part number: AA55820 - A

7.2 Sources of documents.

7.2.1 CFR and FAR. Copies of CFR and FAR may be obtained from the Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Electronic copies of CFR documents may be obtained from <http://www.gpoaccess.gov/ecfr/>. Electronic copies of FAR documents may be obtained from <https://www.acquisition.gov/far/>.

7.2.2 Federal standards. Copies of federal standards may be obtained from General Services Administration, Federal Supply Service, Specification Section, 470 East L'Enfant Plaza SW, Suite 8100, Washington, DC 20407. Electronic copies may be obtained from <https://assist.daps.dla.mil/>.

7.2.3 ACS specifications. Copies of ACS specifications may be obtained from the American Chemical Society, 1155 Sixteenth Street, N.W., Washington, DC 20036. Electronic copies may be obtained from <http://www.acs.org/>.

7.2.4 CAS registry numbers. Copies of CAS registry numbers may be obtained from the Chemical Abstracts Service, P.O. Box 3012, Columbus, OH 43210. Electronic copies may be obtained from <http://www.cas.org/>.

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

- CID document number, revision, and CID PIN.
- Class (see 2).
- Unit quantity required.
- Packaging requirements (see 6.1).

7.4 Subject term (key word) listing.

Assay
Chemical

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MILITARY INTERESTS:

Custodians:

Army - EA

Navy - SH

Air Force - 68

DLA - GS

Review Activities:

Army - AV, MD

Navy - MC, SA, YD

CIVIL AGENCY
COORDINATING ACTIVITY:

GSA - FAS

Preparing Activity:

DLA - GS3

(Project 6810-2011-001)

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.daps.dla.mil/>.