

[NOT MEASUREMENT SENSITIVE]

A-A-59276  
29 June 1998  
SUPERSEDING  
MIL-W-71125(AR)

COMMERCIAL ITEM DESCRIPTION

WOOD PRESERVATIVES: WATERBORNE OR WATER REDUCIBLE

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

1. SCOPE.

1.1 This CID covers the general requirements for ready-to-use, aqueous solutions, dispersions or emulsions for preservative treatment of wood by non-pressure methods, primarily for use in the treatment of wood pallets, containers, and packing materials.

2. CLASSIFICATION.

2.1 Waterborne wood preservatives covered by this Commercial Item Description shall be of the following compositions:

Composition E - Zn naphthenate  
Composition F - Cu naphthenate  
Composition G - Copper-8-quinolinolate

3. SALIENT CHARACTERISTICS.

3.1 Materials. The composition and quantity shall be supplied as specified in the contract or order (see 7.3).

3.1.1 Composition E. The treating solution containing Zn naphthenate shall be an emulsion of Zn naphthenate and shall contain not less than 3%, by weight, of Zn in accordance with AWWA A9 or AWWA A11.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, US Army TACOM-ARDEC, Attn.: AMSTA-AR-EDE-S, Bldg 12, Picatinny Arsenal, NJ 07806-5000 by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.
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A-A-59276

3.1.2 Composition F. The treating solution containing Cu naphthenate shall be either an aqueous solution, dispersion or emulsion of Cu naphthenate and shall contain not less than 2%, by weight, of Cu in accordance with either AWPA A5, AWPA A9, or AWPA A11.

3.1.3 Composition G. The treating solution containing Cu-8-quinolinolate shall be an aqueous solution of dodecylbenzene sulfonic acid (DDBSA)-solubilized Cu 8-quinolinolate and shall contain not less than 1.8% copper-8-quinolinolate, by weight, in accordance with either AWPA A5, AWPA A9, or AWPA A11.

3.2 Drying time. The treating solution on the surface of the treated wood shall not be tacky within 72 hours after treatment.

3.3 Corrosion. Wood preservatives shall create no chemical reaction, with any hardware used in packaging design, that would cause pitting or oxidation.

3.4 Color. The color of the solution shall be sufficiently clear as not to change the color of the wood when the solution is applied; however, it should be noted that Compositions F and G impart a green color to the wood.

3.5 Solvents. The principal carrier for treating solutions shall be water. Where emulsions or dispersions of organic materials in water are used, the "organic solvent" is defined as the solvent for the organic wood preservative. A dispersing agent is defined as the substance, when mixed with the preservative concentrate, causes the preservative concentrate to disperse easily when mixed with water. Organic solvents shall be sufficiently pure so they do not cause any objectionable odor or cause the treated material on which it is applied, to have objectionable odors or irritation.

3.6 Preservative effectiveness. All compositions shall provide a minimum of 2 years protection, when applied to an untreated wood surface with one single application, under uncontrolled exposure, in temperate and tropical environments. Accelerated aging of wood preservatives shall be determined by testing in accordance with ASTM D-822-96.

3.7 Registration. All preservatives shall be registered with the Environmental Protection Agency (EPA) and must be used in accordance with the EPA label.

4. REGULATORY REQUIREMENTS. 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. QUALITY ASSURANCE PROVISIONS.

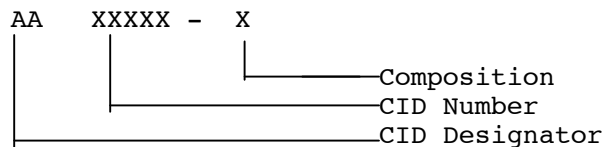
5.1 Product Conformance. The products provided shall meet the salient characteristics of this commercial item description (CID), conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

5.2 Market acceptability criteria. The item offered must have been sold to the government or commercial market.

6. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES.

7.1 Parts Identification Number (PIN). The following part identification number (PIN) procedure is for government purposes and does not constitute a requirement for the contractor. The PINs to be used are as follows:



## 7.2 Source of Documents.

7.2.1 The Code of Federal Regulations (CFR) is available by mail order from the Superintendent of Documents, ATTN: New Order, PO Box 371954, Pittsburgh, PA 15250-7954.

7.2.2 ASTM standards are available from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

7.2.3 AWPA Standards are available from the American Wood-Preserver's Association, 3246 Fall Creek Highway, Suite 190, Granbury, TX 76049-7979

## 7.3 Ordering Data. Procurement documents should specify the following:

- a. Title, number, and date of this CID.
- b. Issue of Department of Defense Index of Standards and Specifications (DODISS) to be cited in the solicitation, and if required, the specific issue of individual documents referenced.
- c. Composition and quantities desired (see 3.1).
- d. Packaging and marking requirements (see 6).

7.4 Material Safety Data Sheets (MSDS). Products meeting the requirements of this CID may be subject to the requirements of 29 CFR 1910.1200 and FED-STD-313 for Material Safety Data Sheets.

7.5 Hazardous material. Products meeting the requirements of this CID may be subjected to the requirements of 49CFR 107 and other applicable provisions.

7.6 Toxicological data. Toxicological product formulations and associated information may be required for review by the contracting activity to evaluate the safety of the material for the purpose used. ASTM D-5276-94 may be used in connection with any packaging design for this evaluation as determined by the contracting activity.

7.7 Treatments. The preservative covered by this CID is normally used to provide a moderate degree of protection when an item is exposed to wetting. It is not generally used to provide long term protection under severe exposure to wetting.

A-A-59276

7.8 Subject term (key word) listing.

Sealing Compound  
Aqueous solution  
Water resistant coatings  
Protective coating

MILITARY INTERESTS:

Custodian:

Army-AR

Review Activity:

Army-MR

CIVIL AGENCY COORDINATING ACTIVITY:

GSA-FSS

Preparing Activity:

Army-AR

Project 8030-0763