

[NOT MEASUREMENT  
SENSITIVE]

A-A-19C

October 17, 1997

SUPERSEDING

A-A-19B

October 22, 1981

## COMMERCIAL ITEM DESCRIPTION

### SCALE REMOVING COMPOUND (POWDER, SULFAMIC ACID)

The General Services Administration has authorized the use of this Commercial Item Description (CID) for all federal agencies.

1. **SCOPE.** This CID covers a powder form scale removing compound, hereinafter referred to as "compound," intended for removing scale deposits normally found in salt water evaporators, fresh water cooling and distribution systems, and water side scale found in heat transfer units. This compound can be used for removing scale deposits normally found in commercial dishwashing machines.

#### 2. SALIENT CHARACTERISTICS.

2.1 Materials. Unless otherwise specified herein, materials shall be in accordance with the manufacturer's material specifications. The compound shall be a clean, water-soluble, uniform, free-flowing (lump-free) powder, and shall contain an anti-corrosion agent, an anti-caking agent, and a metanil yellow dye and dye stabilizer (to indicate when the compound is spent during the descaling process).

2.1.1 Sulfamic acid. The compound shall contain not less than 90 percent (%) sulfamic acid by weight when determined in accordance with the USP XX Titration Method.

2.1.2 Hydrogen-ion concentration (pH). The compound shall have a pH of not more than 1.2 in a 1% solution in distilled water when determined in accordance with ASTM E70.

2.1.3 Excluded ingredients. The compound shall not contain sulfuric acid or organic solvents.

2.2 Corrosive effect on steel. The compound, in a 1% distilled aqueous solution, shall have a corrosive effect on steel of not more than 0.15% loss of mass on 2 inch (in.).

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any other data which may improve this document should be sent by letter to: Defense Logistic Agency, Defense Supply Center Richmond, ATTN: DSCR-VBD, Richmond, VA 23297-5610.
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AMSC N/A

FSC 6850

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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[51 millimeters (mm)] long by 2 in. wide by 0.035 in. (0.89 mm) thick coupons of hot rolled steel after a 24 hour period of immersion in the compound.

2.3 Nonvolatile matter. The compound shall have a nonvolatile matter content of not less than 30.0% at 221 degrees Fahrenheit (105 degrees Celsius) when determined in accordance with ASTM D2834.

2.4 Identification and markings. Identification and markings shall be permanent and legible and shall include, as a minimum, the manufacturer's identification code (CAGE) and labeling with instructions for use.

### 3. REGULATORY REQUIREMENTS.

3.1 Hazardous materials. The compound shall meet all applicable Federal codes and regulations concerning hazardous materials, including package marking.

### 4. QUALITY ASSURANCE PROVISIONS.

4.1 Product conformance. The products 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 market. The Government reserves the right to require proof of such conformance.

4.2 Market acceptability. The compound shall have been sold previously to the Government or to the commercial market in order to qualify for acceptability under this CID.

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

### 6. NOTES.

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

6.1 Addresses for obtaining copies of non-Government publications. Copies of ASTM D2834 "Standard Test Method for Nonvolatile Matter (Total Solids) in Water-Emulsion Floor Polishes, Solvent-Based Floor Polishes, and Polymer Emulsion Floor Polishes" and ASTM E70 "Standard Test Method for pH of Aqueous Solutions with Glass Electrode AASHTO T200," may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. USP XX may be obtained from the United States Pharmacopeial Convention, Inc., 12601 Twinbrook Parkway, Rockville, MD 20852.

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6.2 Ordering data. Acquisition documents must specify the following:

- a. Title, number, and date of this CID.
- b. Issue of the Department of Defense Index of Specifications and Standards (DoDISS) to be cited in the solicitation, and if required, the specific issue of individual documents referenced.
- c. Packaging requirements.

6.3 Cross-reference data. Scale removing compound conforming to this CID is interchangeable/substitutable with scale removing compound conforming to P-S-120B, type I, dated April 8, 1977.

MILITARY INTERESTS:

Custodian:

DLA - GS

CIVIL AGENCY COORDINATING ACTIVITY:

GSA-FSS

Preparing Activity:

DLA - GS

(Project 6850-1218)

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