

A-A-1427A  
 March 28, 1983  
 SUPERSEDING  
 A-A-1427, dated  
 September 2, 1980

COMMERCIAL ITEM DESCRIPTION  
 SODIUM HYPOCHLORITE SOLUTION

The General Services Administration has authorized the use of this commercial item description in preference to Federal Specification O-S-602.

This description covers a sodium hypochlorite solution. It is intended for use as a household-type bleach and disinfectant.

Salient characteristics:

EPA registration and labeling. The sodium hypochlorite solution shall be registered with the Environmental Protection Agency (EPA) and labeled in accordance with the applicable sections of 40 CFR 162.

Material. The sodium hypochlorite solution shall be a clear greenish-yellow liquid free from sediment or suspended matter.

Specific gravity. The specific gravity of the solution shall be not less than 1.075 and not greater than 1.110 at 25/25°C. When determined by ASTM D 2111, Method B.

pH. The pH shall be not less than 10.5 and not greater than 13.0 when determined in accordance with ASTM E 70.

Available chlorine. At the time of delivery to the Government, the sodium hypochlorite solution shall contain available chlorine equivalent to 5.25 - 7.2 percent by weight of sodium hypochlorite when tested as specified in ASTM D 2022 sections 5-8.2 and calculated in section 8.2.

The issues of the ASTM standards in effect on the date of the solicitation shall be used to determine compliance with stated requirements.

Preservation, packaging, packing, marking and labeling. Preservation, packaging, packing, marking, and labeling shall be as specified in the contract or order.

ASTM standards are available from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

Military Interest:

Review Activities:

Army - MD  
 Air Force - 68  
 DLA - GS

User Activities:

Navy - AS, OS

PREPARING ACTIVITY:

GSA - FSS