



PRODUCT INFORMATION

SODIUM BISULFITE SOLUTION 40%

PRODUCT DESCRIPTION

Sodium Bisulfite Solution 40% is a clear, yellow liquid with a sulfur dioxide odor.

USES AND APPLICATIONS

Textile Industry – Antichlor to reduce deterioration of cotton and other cellulosic fibers in chlorine bleaching

Leather Industry – Reducing agent for bichromate in chrome tanning. Reagent used in making tanning extracts

Fermentation Industry – Sterilization of barrels, tanks, and equipment

Chemical Industry – Sulfonation agent for olefins, ketones, and nitro groups and a splitting agent for epoxy compounds in detergents

Pulp & Paper Industry – Antichlor following hypochlorite bleach and reducing agent to eliminate residual peroxide

Metal Finishing & Electropolishing Industry – An economical and convenient reducing agent for treatment of wastes containing hexavalent chromium

Photographic Industry – Reducing agent for silver halides

TYPICAL VALUES

pH, as is:	4.0
Specific Gravity @ 25°C:	1.33
Lbs/gal @ 25°C:	11.08
Freezing Point (°F):	45
Sodium Bisulfite (wt %):	39.3 – 40.7
Iron (ppm):	3 max
SO ₂ Content (wt %):	24.2 – 25.0

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CHEMICAL CO.
300 N. Patrick Blvd., Brookfield, WI 53045

www.hydrite.com

1-800-543-4560



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STORAGE AND HANDLING

Sodium Bisulfite Solution 40% tends to yellow when stored or handled in equipment constructed of ordinary iron or steel. Lead, type 316-L stainless steel, polyethylene, and fiberglass can be used safely to store Sodium Bisulfite Solution 40%.

Polyester tanks and piping are resistant to 220°F and high-density polyethylene is resistant to 140°F. For piping, polyvinyl chloride has been successfully used up to 140°F. Under normal storage conditions, the oxidation loss of a solution of Sodium Bisulfite should be about 3% per year.

Suggested storage temperature of containers at or above 50°F. DO NOT FREEZE.

PRECAUTIONS

Product safety information and handling precautions are contained on the product label and Material Safety Data Sheet (MSDS).

READ AND UNDERSTAND LABEL AND MATERIAL SAFETY DATA SHEET BEFORE PRODUCT USE.

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