



# PRODUCT INFORMATION

## SODIUM BISULFITE SOLUTION 40%

### PRODUCT DESCRIPTION

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

### USES & 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

Food Industry - Preservative in fruit and vegetable food products and juices. Steeping agent for wet corn milling

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 and Electropolishing Industry - An economical and convenient reducing agent for treatment of wastes containing hexavalent chromium

Photographic Industry - Reducing agent for silver halides

Pharmaceutical Industry - Stabilizer for solutions

### TYPICAL VALUES

pH, as is:	4
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 <sub>2</sub> Content (wt%):	24.2 - 25.0
NaOH, Anhydrous (wt%):	15.0 - 16.0

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

[www.hydrite.com](http://www.hydrite.com)  
1-800-543-4560



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## **STORAGE & 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.

## **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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