



SODIUM BISULFITE SOLUTION 40% FG

**PRODUCT
DESCRIPTION**

Sodium Bisulfite Solution 40% FG (by weight) is a clear, yellow to green aqueous solution of sodium bisulfite with a sulfur dioxide odor. This material meets FCC requirements on an anhydrous basis and 21 CFR § 176.170, 21 CFR § 176.180, and 21 CFR § 182.3739.

CAS No. 7631-90-5

SYNONYMS

Sodium Acid Sulfite, Sodium Hydrogen Sulfite

**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.

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

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.

Pharmaceutical Industry – Stabilizer for solutions.

PROVIDING CREATIVE SOLUTIONS

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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
Selenium, ppm:	2 max
Lead, ppm:	0.8 max

STORAGE AND HANDLING

Sodium Bisulfite Solution 40% FG tends to yellow when stored or handled in equipment constructed of ordinary iron or steel. Lead, type 216-L stainless steel, polyethylene, and fiberglass can be used safely to store Sodium Bisulfite Solution 40% FG.

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 Safety Data Sheet (SDS).

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

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