

SODIUM BISULPHITE 40%



PRODUCT DESCRIPTION

Sodium Bisulfite Solution 40 % is a clear, yellowish liquid with a sulfur dioxide odor. It is used as DE chlorination in municipal wastewater, pulp & paper, power, and textile water treatment plants, Oxygen scavenger, Boiler water treatment Preservative in photo developer process, Food additive, Flue gas desulfurization Mild reducing agent in organic synthesis, Efficiently remove traces or excess amounts of bromine, iodine, osmate esters, chromium trioxide, and potassium permanganate.

STORAGE AND HANDLING

Solution undergoes oxidation on standing in air and should be used up within a short time. At temperatures below 10 °C Sodium Metabisulphite may crystallize.

Chemical name	SODIUM BISULPHITE 40%
Date	OCT 29, 2023
Version	01

	Units	BCI Specifications	Test Methods
Appearance	-	clear, yellowish liquid	ASTM-E2680
Sodium Bisulphite	%	39.0- 42.0 % wt	ASTM D4658
Density	Kg/L	1.32 – 1.4	ASTM-D891
pH	-	3.6 – 5.0	ASTM-D1293

APPLICATION & USE

Food: Preserving foodstuffs, aid with the production of starch, for ensiling green fodder.

Treatment of process water: Removal of excess chlorine, in special cases removal of oxygen.

Treatment of waste water: e.g. removal of excess chlorine in the neutralization of cyanide, neutralization of chromic acid.

Chemical and pharmaceutical industry: As reducing agent, for purifying and isolating aldehydes and ketones. Destroying waste bromine.

Textile industry: Cleaning bleaching wool, jute and other vegetable fibers. For reduction in the dye works.

Leather industry: Solubilizing tanning extracts.

Paper and pulp industry: Bleaching ground wood.

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