



Thai Organic Chemicals Co., Ltd

(Sulphites Division)

BIRLASOL 35

Product Information

Name : Sodium Metabisulphite Solution

Grade : Food

Description: Clear, colorless to yellowish solution containing 34 – 36 % Sodium Metabisulphite ($\text{Na}_2\text{S}_2\text{O}_5$) or 37.5 - 40.5 % sodium bisulfite (NaHSO_3) or approx. 23 – 24 % sulphur dioxide (SO_2).
Odour of SO_2 .

Chemical name: Sodium bisulfite (or sodium hydrogen sulfite) aqueous solution

Chemical formula: NaHSO_3

Molar mass: 104.06 g/mol

CAS-No.: 7631-90-5

EINECS-No.: 231-548-0

Properties: Solution is acidic and oxidizes when contacting air.

Specification:

Sodium Metabisulphite ($\text{Na}_2\text{S}_2\text{O}_5$)	% WT	34 – 36
Sulfur Dioxide (SO_2)	% WT	22.9 – 24.2
Iron (as Fe)		2 ppm Max.
Density	Kg/L	1.3 – 1.4
pH		4.0 – 5.0

Application:

- **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 fibres. For reduction in the dye works.
- **Leather industry:** Solubilizing tanning extracts.
- **Paper and pulp industry:** Bleaching ground wood.
- **Photographic and film industry:** for developer solutions, for acidifying fixing baths.

Storage: 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.

Safety: Harmful if swallowed. Contact with acids liberates toxic sulfur dioxide gas. Causes strong oxygen consumption in the water course; may harm aquatic organisms

This Technical data sheet Identified as TDS / SMS / 0504. Cancels & replaces all previous editions.

The data, information contained herein are given purely as a guide. We undertake no responsibility either for the results deriving from their adoption or for possible position in apparent contrast with existing patent right

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