

# 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 ( $\text{NaHSO}_3$ ) or approx. 23 – 24 % sulphur dioxide ( $\text{SO}_2$ ).  
Odour of  $\text{SO}_2$ .

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

**Chemical formula:**  $\text{NaHSO}_3$

**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 ( $\text{SO}_2$ )	% 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.**

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