BIRLASOL 35

Product Information

Name: Sodium Metabisulphite Solution
Grade: Food

Description: Clear, colorless to yellowish solution containing 34 – 36 % Sodium Metabisulphite (Na$_2$S$_2$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 (Na$_2$S$_2$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

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