



# SODIUM METABISULPHITE

## PHYSICO-CHEMICAL CHARACTERISTICS

Formula	: $\text{Na}_2\text{S}_2\text{O}_5$										
Molecular weight	: 190.12										
Synonyms	: Sodium bisulphite anhydrous, sodium pyrosulphite, sodium disulphite.										
Bulk density	: 1.2-1.3 kg/dm <sup>3</sup> approx.										
Water solubility	: increases with the temperature according to the following table:										
	t °C	10	15	20	25	30	40	50	60	70	80
	g $\text{Na}_2\text{S}_2\text{O}_5$ /100 g soln	38.8	39.2	39.6	40.1	40.5	41.7	42.8	44.1	45.5	46.9

## QUALITATIVE CHARACTERISTICS

Appearance of the product	white crystalline powder	
Appearance of the 20% soln	clear and colourless or pale yellow	
Assay	% $\text{Na}_2\text{S}_2\text{O}_5$	> 98
	% $\text{SO}_2$	> 66
Thiosulphate	% $\text{S}_2\text{O}_3$	< 0.04
Iron	mg/kg as Fe	< 5
Heavy metals	mg/kg as Pb	< 10

The indicated values are intended as determined according to our standard analysis methods.

## STANDARD PACKAGING

25 kg polyethylene bags  
Various sizes bulk bags on pallets, shrinkwrapped

## STORAGE

Store the product in a dry and cool place because the wet product easily oxidises to sodium sulphate, while heated over 60°C develops  $\text{SO}_2$ , yielding sodium sulphite.

## MAIN USES

In chemical synthesis in the production of sulphonates, cleaning detergents, sulphonated oils, acrylic resins, tannins, in the purification of aldehydes and ketones, pesticides, herbicides, etc.  
In waste water treatment to remove the excess of chlorine, as chrome reducer (tanneries and chrome plants), for decianuration treatment (gold mining) and for decreasing metal contaminants (mainly copper).  
In tanneries as auxiliary, accelerant in skin soaking, in decalcification and in bleaching process.  
In textile as dechlorinating agent, for dyes solubilisation, bleaching adjuvant and in stripping or clearing of polyester.  
In pulp & paper industry as bleaching agent and for removing the excess of chlorine and peroxides.  
In wood panels production, in order to reduce formaldehyde emissions.  
In mining industry as floating agent or in metal refining (copper recovery) as reducing agent.

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.

THIS TECHNICAL DATA SHEET IS IDENTIFIED AS **NPS 1 (0920) E6**