



# SODIUM THIOSULPHATE PENTA 'SH'

## PHYSICO-CHEMICAL CHARACTERISTICS

Formula	: $\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
Molecular weight	: 248.18
Synonyms	: Sodium hyposulphite pentahydrate
Bulk density	: 0.8-0.9 kg/dm <sup>3</sup> approx.
pH (20°C, 5%)	: 4-7
Water solubility	: 47% at 0°C and 63% at 20°C approx.

## QUALITATIVE CHARACTERISTICS

Appearance of the product	white crystalline powder with a tendency to cake	
Appearance of the 20% soln	clear and colourless or pale yellow	
Assay	% $\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$	> 95
Insoluble in water	%	< 0.1
Sulphides	mg/kg as S	< 10
Iron	mg/kg as Fe	< 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

*Keep out from wet and hot environment!* Store the product in a dry and cool place.  
If heated over 40°C it melts.  
Caking/lump formation is normal with this product; however, it does not deteriorate chemically.

## MAIN USES

In tanneries as auxiliary in tanning process.  
In textile, water treatment or paper industry for the removal of excess of chlorine.  
In oil industry for the production of corrosion inhibitors.  
In chemical industry and mining as reducer.  
In drilling water (oil extracting industry).

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.

THIS TECHNICAL DATA SHEET IS IDENTIFIED AS **NTS PSH 1 (0623) E6**