



# Product Specification

## Product Name: SODIUM THIOSULFATE Pentahydrate AR

Alternate Name(s) Sodium subsulfite; antichlor; sodium hyposulfite.

### Description

White translucent crystals or powder; cooling taste; bitter aftertaste. Odourless. Efflorescent above 33 °C in dry air.

### Properties

Chemical Formula:

Molecular Weight: 248.19

Product Code: SA018

CAS No. 10102-17-7

### General Information:

Soluble in oil of turpentine. Insoluble in alcohol. Incompatible with oxidizing agents, halogens and acids. Non combustible.

### Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH6W

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.:

### Quality Specification

Assay: 99.5 - 101.0%

### Specific Properties and Impurities [Typical levels]:

Solubility in water 680 g/l @ 20°C

Melting point 48°C

Insoluble matter ≤ 0.005%

pH of a 5% solution @ 25°C 6.0 - 8.4

Chloride (Cl) ≤ 0.02%

Nitrogen compounds (N) ≤ 0.002%

Sulfate and sulfite (as SO<sub>4</sub>) ≤ 0.1%

Sulfide (S) Passes test

Heavy metals (as Pb) ≤ 0.001%

CONFORMS TO ACS

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38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia  
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

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