



>>Entry Name: Sodium disulfite

ENTRY UNDER REVIEW

Synonym(s): Disulfurous acid disodium salt, 9Cl. Pyrosulfurous acid disodium salt, 8Cl. Sodium disulfate(II). Sodium pyrosulfite. Sodium metabisulfite, *USAN*. Sodium bisulfite

CAS Registry Number: 7681-57-4

Extra CAS Registry Numbers(s): 23134-05-6

$\text{Na}_2(\text{O}_3\text{SSO}_2)$

Molecular Formula: $\text{Na}_2\text{O}_5\text{S}_2$

Molecular Weight: 190.108

Accurate Mass: 189.898249

Percentage Composition: Na 24.19%; O 42.08%; S 33.73%

Source/Synthesis: Cryst. from aq. solns. of NaHSO_3

Use/Importance: Commercially available. Antioxidant, food preservative, stabiliser in pharmaceutical preparations

Physical Description: Dec. on heating with ultimate formation of Na_2SO_4

Solubility: V. sol. $\text{H}_2\text{O} \rightarrow$ aq. NaHSO_3 (54 g per 100 cm^3 at 20°; 82 g per 100 cm^3 at 100°); mod. sol. EtOH

Hazard & Toxicity: OES: long-term 5 mg m^{-3} . Irritant. Induces bronchoconstriction in asthmatics

Aldrich: 16151-9

Fluka: 71930

Sigma: S1516

References:

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