



Sodium Sulfite

1. General

● Product Name	: PS_SS
● Other Chemical Name(s)	: Sodium Sulfite Anhydrous
● Chemical Formula	: Na_2SO_3
● Molecular Weight	: 126.04 gr/mol
● Cas No	: 7757-83-7
● Bulk Density	1.4-1.6 gr/Cm
● Producte Appearance	: White fine crystalline powder.
● 20% Solution Appearance	: Clear colorless solution.
● Storage	: Store in original, Unopened Bags in a cool and dry conditions.
● Shipping information	: IMO Classificalino : Non-Hazardous. H.S.Tariff NO.: 283210
● Sfely & Handing	: Always refer to the Manufacturer MSDS.
● Packing	: 20-kg, Double Layer, PE Bags. : 1- MT Jumbo Bags.



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2. Specification

Product Name	Unit	Specification	
Appearance of solution		Clear + Colorless	
		Technical grade	Food/Photo grade
Na_2SO_3	gr/100gr	≥93.0	>95.0
SO_2	gr/100gr	48.8	≥49
Thiosulfate ($\text{as}_2\text{S}_3\text{O}^{2-}$)	gr/100gr	-	<0.01
PH value (10% solution)	-	9.5-10.5	9.5-10.5
Heavy metal as Pb	mg/kg	≤ 5	<1
Iron	mg/kg	-	<5
Insoluble matter	gr/100gr	-	<0.05
Na_2SO_4	g/100g	Remainder	Remainder

Reference: ANSI, ISIRI, ISO 418-1994(E), Europ. Pharmacop, RCA/Q-066, BASF M, ANSI PH 4.276 -1980

3. Industrial Application

● Water Treatment	: For removing oxygen from boiler feed water (as long as steam temperature is blow 300 C), drilling water , Base of inorganic inhibitors. Removing excess chlorine.
● Food and Brewing	: As preservative and bleach (restricted use in accordance with the additive approval regulations E221)
● Photography	: To protect developer solutions from oxidation (in formation of developers and fixers).
● Pulp & Paper	: Quality - improving effect in the CTMP and TMP processes for producing semi- chemical pulp and paper, in the processing of rags and in the cooking of straw , Kraft pulping process.
● Textile	: As antichlor after treatment with chlorine or with compounds which contain active chlorine.
● Leather Industries	: For sulfating tanning extracts.
● Chlor- Alkali Plants	: Main Anti- chlorine chemical.
● Explosives	: in the production of trinitrotoluene.
● Rubber Industries	: Stabilizing Latex.
● Chemical & Drugs	: Manufacturing of Sodium Thiosulfate ($\text{Na}_2\text{S}_2\text{O}_3$), Sulfonation & Sulfomethylation, Moderate reducing Agent, Manufacturing of Acetaminophen.