



Sodium Sulfite, 15% Aqueous Solution

PRODUCT BULLETIN

CAS NUMBER: 7757-83-7

CHEMICAL FORMULA: Na_2SO_3

DESCRIPTION: Sodium sulfite is a reducing agent made available in a ready-to-use liquid form. It is manufactured by absorbing SO_2 in an alkaline solution. It is a clear, colorless to pale yellow solution with a slight sulfur odor.

APPLICATION:

- Ⓒ Chemical reduction of chlorine and chlorine dioxide, in bleached pulp and in vent gas scrubbing processes.
- Ⓒ Thermomechanical pulping additive to improve strength, increase brightness, and lower pulping energy.
- Ⓒ Oxygen scavenger in boiler water treatment.

CHEMICAL AND PHYSICAL PROPERTIES:

	Minimum	Maximum	Typical
* Na_2SO_3 % by wt.	14.0	17.0	15.0
*pH	8.0	10.5	9.5
Specific Gravity @ 60EF	1.14	1.20	1.16
Density (lbs/gal)	-	-	9.8
Sulfate as Na_2SO_4 % by wt.	-	-	1

*Certificate of Analysis Properties

PACKAGING: 4,500 gallon stainless steel tank trucks, railcars, semi-bulk containers, and 55 gallon drums.

HANDLING & STORAGE:

Materials of Construction:

Storage tanks - Polyethylene, FRP, 316 SS

Pumps & piping - 316 SS, PVC

Storage temperature - 60E - 80EF

(over)

Fifteen percent (15%) sodium sulfite solution becomes saturated at approximately 40EF (crystals may appear). A temperature of 60-80EF is a suitable and safe range to prevent crystallizing of sodium sulfite solutions. Sodium sulfite solution reacts with oxygen and should be protected from excess exposure to air.

SAFETY:

Sodium sulfite should be handled in open or well ventilated areas. Eye and skin contact is prevented through the use of safety glasses, goggles, face shield, protective clothing, and gloves. Contact with sodium sulfite should be removed with copious amounts of water. **Do not use this product until the MSDS has been read, understood, and required safety precautions are followed.**

SHIPPING POINTS:

Tuscaloosa, Alabama; Baton Rouge, Louisiana; and Pasadena, Texas

DOT MARKINGS:

Not regulated.

SALES OFFICE

For Product Information:

TEL: 662-494-3055

FAX: 662-494-2828

Post Office Drawer 1217

West Point, MS 39773

To Place an Order:

TEL: 800-953-3585

FAX: 800-953-3588

IMPORTANT

The information on this Product Bulletin is believed to be accurate but is not warranted to be so. Protective equipment, health effects, and other related safety measures are based on intended and anticipated product use. Recipients are advised to confirm in advance of need that the information is applicable and suitable to their circumstances.