



DIMMITT SULFUR PRODUCTS

DIMMITT SULFUR PRODUCTS, LTD.

PO BOX 1008

DIMMITT, TX 79027

Telephone (806) 647-2121 Fax (806) 647-2126

TECHNICAL BULLETIN **SODIUM BISULPHITE, 34% SOLUTION**

IDENTIFICATION:

Name of product	Sodium bisulphite, aqueous
Synonyms	Sodium hydrogen sulphite Sodium pyrosulphite
Formula	NaHSO ₃
Molecular Weight	104.07
C.A.S. Number	7631-90-5

SHIPPING INFORMATION:

DOT ID Number	UN 2693
DOT Classification	Corrosive
Packing Group	III
Shipping Name	Bisulphites, aqueous solutions, n.o.s.
Containers	Tank car, tank truck, and drums

TYPICAL ANALYSIS:

Appearance and odor	Pale yellow, clear liquid; pungent sulfur dioxide odor
Assay, % NaHSO ₃	33.0 - 35.0
pH @ 70°F	4.0 - 5.0
Density @ 70°F, lbs/gal	10.50
Iron, as Fe - ppm	Less than 5
Heavy metals, as Pb - ppm	Less than 5

MARKETS AND USES:

- Chemical waste treatment
- Enhanced oil recovery
- Manufacturing of chemicals
- Photographic processing
- Pulp and paper
- Waste water treatment

NOTICE: THE DATA AND INFORMATION IN THIS BULLETIN ARE TO THE BEST OF DIMMITT SULFUR PRODUCT'S KNOWLEDGE COMPLETE, ACCURATE AND CORRECT. HOWEVER, NO REPRESENTATIONS OR WARRANTIES, WRITTEN OR ORAL, EXPRESS OR IMPLIED, ARE MADE BY DIMMITT SULFUR PRODUCTS, LTD. AS TO SUCH DATA AND INFORMATION OR THAT THE GOODS MENTIONED HEREIN ARE SUITABLE FOR ANY PARTICULAR PURPOSE OR MERCHANTABILITY, OR THAT SUCH GOODS ARE FREE FROM ANY PATENT INFRINGEMENT. PURCHASERS SHOULD SATISFY THEMSELVES OF THE SUITABILITY OF ANY SUCH GOODS FOR THE PURPOSE INTENDED PRIOR TO PURCHASE. THE USER SHOULD NOT ASSUME THAT ALL SAFETY MEASURES ARE INDICATED OR THAT OTHER MEASURES MAY NOT BE REQUIRED.



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TECHNICAL BULLETIN **SODIUM BISULFITE, 40% SOLUTION**

IDENTIFICATION:

Name of product:	Sodium bisulfite, aqueous
Synonyms:	Sodium hydrogen sulfite Sodium pyrosulfite
Formula:	NaHSO ₃
Molecular Weight	104.07
C.A.S. No.	7631 -90- 5

SHIPPING INFORMATION:

DOT ID No.	UN 2693
DOT Classification	Corrosive
Packing Group	III
Shipping Name	Bisulfites, aqueous solution, n.o.s.
Shipping Containers	tank car, tank truck, and drums

TYPICAL ANALYSIS:

Appearance and odor	Pale yellow, clear liquid; -Pungent sulfur dioxide odor
Density @ 70°F, lbs/gal	11.01 – 11.18
Specific Gravity 70°F	1.32 – 1.34
Assay, % NaHSO ₃	38.0 – 41.0
pH	4.0 – 5.0
Iron, as Fe, ppm	<5
Sulfur Dioxide %, as SO ₂	23.0 – 26.0

MARKETS AND USES:

- Chemical waste treatment
- Enhanced oil recovery
- Manufacturing of chemicals
- Photographic processing
- Pulp and paper
- Waste water treatment

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TECHNICAL BULLETIN **SODIUM BISULFITE, 43% SOLUTION**

IDENTIFICATION:

Name of product	Sodium Bisulfite, aqueous solution
Synonyms	Sodium Hydrogen Sulfite Sodium Pyrosulfite
Formula	NaHSO ₃
Molecular Weight	104.07
C.A.S. No.	7631-90-5

SHIPPING INFORMATION:

DOT ID No.	UN 2693
DOT Classification	Corrosive
Packing Group	III
Shipping Name	Bisulfites, aqueous solutions, n.o.s.
Containers	tank car, tank truck, and drums

TYPICAL ANALYSIS:

Appearance and Odor	Pale yellow, clear liquid Pungent sulfur dioxide odor
Assay %, NaHSO ₃	42.0 – 44.0
pH @ 70°F	4.0 – 5.0
Specific Gravity @ 70°F	1.34 – 1.37
Density @ 70°F, lbs/gal	11.18 – 11.43
Iron, as Fe, ppm	5
Chlorides, ppm	25
Heavy Metals, as Pb, ppm	less than 5

MARKETS AND USES:

Chemical waste treatment - Reducing agent
Enhanced oil recovery - Oxygen scavenger
Manufacturing of chemicals - Reducing agent
Photographic processing - Preservative
Pulp and paper - Dechlorination
Waste water treatment - Dechlorination

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