

Attachment 16

SPECIFICATION FOR SODIUM BISULFITE

(a) SCOPE AND CLASSIFICATION

This specification covers Sodium Bisulfite 38% by weight in an aqueous solution. At the time of delivery, it shall be largely free of priority pollutants and impurities. It shall be no less than 38% by weight Sodium Bisulfite in an aqueous solution, free of all contaminants and shall meet the chemical and physical properties listed below.

(b) PRODUCT SPECIFICATIONS

PROPERTY	REQUIREMENT
Color	Yellow
Physical State	Liquid
Molecular Weight	104.06
Chemical Formula	NaHSO ₃
Odor	Pungent Sulfur Dioxide
Specific Gravity	1.33 (for a 38% solution)
Solubility in Water (weight %)	100%
pH	4.3 -> 4.6
Boiling Point	104 ° Celsius
Vapor Pressure	Estimated 78 mm Hg @ 20 ° Celsius
Evaporation Rate	< 1
Flash Point	Not Flammable

(c) RELATIVE ENVIRONMENTAL CONDITIONS

A safety data sheet of the product shall be forwarded by the Supplier and received by the Bureau of Engraving and Printing two weeks before the first delivery and upon any material changes. The following specifications, standards and handbooks form a part of this document to the extent specified herein.

(1) Certification of Compliance with Environmental and Safety Regulations

Certificates are required to show that the material complies with the following regulations:

- a. 40 CFR 720 – Pre-manufacture Notification: Pre-manufacture Notification Requirements and Review Procedures.

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- b. 40 CFR 761 - Polychlorinated Biphenyl (PCB's) Manufacturing, Processing, Distribution in Commerce, and use Prohibitions.
 - c. 40 CFR Part 268, Subpart B - Schedule for Land Disposal Prohibitions and Establishments of Treatment Standards.
 - d. Superfund Amendment and Reauthorization Act (SARA), Title III.
 - e. Test Methods for Evaluation of Solid Waste; EPA Procedure 1030 and Number 7420 SW - 846, Third Edition, November, 2004.
 - f. District of Columbia Air Pollution Control Act of 1984. (Copies may be obtained from the District of Columbia Office of Documents, Room 523, the District Building, Washington, D.C. 20004.)
 - g. District of Columbia Rules and Regulations - Title 8 - Health regulations, Chapter 2, Part 7. (Published by the Office of Air and Water Quality, Environmental Control Division, Department of Consumer and Regulatory Affairs, Government of the District, 510 Overlook Avenue, S. W., Washington, D. C. 20032.)
 - h. California's "Safe Drinking Water and Toxic Enforcement Act" of 1986. Request for copies should be addressed to the State of California Health and Welfare Agency, 1600 Ninth Street, Room 450, Sacramento, California, 95814.
- (2) Compliance with Shipping, Marking and Labeling Regulations

The shipping, marking and labeling shall conform to the applicable requirements of DOT, OSHA, HMIS, Uniform Freight Classification Rules, Motor Freight Classification Rules listed below:

- a. 29 CFR 1910, Part 1200 - Hazard Communication Standard (Occupational Safety and Health Administration). See also Federal Register Volume 77, Number 58, March 26, 2012.
- b. Hazardous Material information System (HMIS) for Labeling. (Request for copies should be addressed to the National Paint and Coating Association 1500 Rhode Island Avenue, Washington, D.C. 20005).

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- c. National Motor Freight Classification Rules and Container Specification. (Request for copies should be addressed to the American trucking Association, Inc., 2000 Mill Road, Alexandria, Virginia 22314.
- d. Uniform Freight Classification Rules. (Request for copies should be addressed to the Uniform Classification Committee, 222 South Riverside Plaza, Chicago, IL 60600.)

(d) ORDER OF PREFERENCE

In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

(e) INTENDED USE

This material will be used in the plating wastewater pretreatment plant process as a reduction agent.

END OF SPECIFICATION FOR SODIUM BISULFITE