

Material Safety Data Sheet

Number: **DMN0028**

Product Name: **Boiler-Rite™ #19**

A sulfite oxygen scavenger.

Revised: 5/29/08

Damon Industries, Inc.
Box 2120
Alliance, OH 44601

24 hour Emergency Only phone: 1-800-535-5053
Information phone: 1-800-362-9850 or 330-821-5310
fax: 330-821-6355

Section 2 - Composition / Information on Hazardous Ingredients

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>Carcinogen</u>
Sodium Metabisulfite	7681-57-4	30 - 50%	No

Section 3 - Hazards Identification

Emergency Overview: Concentrate can cause damage to the eyes and is irritating to the skin. Prolonged skin contact with concentrate could cause skin damage. Solutions are irritating to eyes and skin. Excessive inhalation of vapors causes irritation. Contact with bleach, or chlorine compounds may release chlorine gas. Product is water based and does not burn. Product has a low pH and more than 2 gallons should not be allowed into sanitary sewers without neutralizing. A colorless liquid with a very sharp odor.

Health Hazards: Corrosive, Irritant, Sensitizer

Physical Hazards: None

Primary Routes of Entry: Through Skin Inhalation Ingestion

Potential Health Effects:

Eyes - Concentrate causes severe irritation and moderate damage. Dilutions cause moderate to severe irritation.

Skin - Concentrate causes irritation and redness; possibly damage with prolonged contact. Brief contact has little or no effect when rinsed off promptly. Dilutions cause irritation and redness. A few people are allergic to sulfites and may become sensitized with continued exposure. Such persons should not have any contact with the product.

Swallowing - causes irritation, diarrhea, circulatory problems, CNS depression, possibly burns to mucous membranes.

Breathing - excessive inhalation of vapors causes irritation of the nose, throat and respiratory passages.

Section 4 - First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention immediately.

Skin Contact: Remove contaminated clothing and shoes immediately. If there is no redness or irritation wash with soap and water. If there is redness or irritation flush skin with running water for 15 minutes. If irritation persists, get medical attention. Wash contaminated clothing before reuse.

Inhalation: Move affected person to fresh air. If irritation persists get medical attention.

Ingestion: If conscious, immediately induce vomiting by giving 2 glasses of water to drink and sticking a finger down the throat. Treat for shock by keeping person warm and quiet. Get medical attention immediately. Never give anything by mouth to an unconscious or convulsing person.

Section 5 - Fire-Fighting Measures

Flash Point: None (ASTM D-56 closed cup)

Lower Explosive Limit: Not Applicable

Upper Explosive Limit: Not Applicable

Extinguishing Media: Any

Special Fire Fighting Procedures: None.

Unusual Fire And Explosion Hazards: None.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Clean up small spills with a rag or mop. Wash the area with an alkaline detergent or a 50% solution of baking soda. Spills of 2 gallons or less can be washed to a sanitary sewer with plenty of water. Larger spills should be diked to prevent spreading and then collected into clean pails or drums.

Section 7 - Handling and Storage

Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet. Keep container closed. Store in a cool, well ventilated area. Remove leaking containers.

If this product contacts bleach or a cleaner or biocide containing chlorine or bromine compounds, it could produce a dangerous gas (chlorine or bromine) and release large amounts of heat. If your facility has such products do not store them too close to this product. Learn what to do if gas is accidentally produced. Your facility should decide upon the appropriate emergency action plan for accidental release of dangerous gases as a part of your emergency preparedness plan. Contact Damon Industries if more information is needed.

Section 8 - Exposure Controls / Personal Protection

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>TWA(source)</u>	<u>STEL</u>	<u>Ceiling</u>
Sodium Metabisulfite	7681-57-4	30 - 50%	5 mg/m ³ (2,3,4)	10 mg/m ³ (4)	-
(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hr Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous					

Ventilation: Good room ventilation.

Respiratory Protection: Usually none when product is kept away from the nose.

Protective Gloves: Wear rubber or latex gloves. Do not use disposable latex gloves.

Eye Protection: Wear safety glasses with side shields or chemical goggles.

Other Protective Equipment: An eye wash station should be located within 10 seconds travel time from where the concentrate is mixed or used.

Section 9 - Physical and Chemical Properties

Boiling Point: 212° F.

Specific Gravity: 1.17

Percent Volatiles: 70%

Solubility In Water: Complete

Appearance and Odor: A colorless liquid with a very sharp sulfur dioxide odor.

Vapor Pressure: Not Available

Vapor Density: Not Available

Evaporation Rate: Same as water.

pH: concentrate 4.0 ± 0.5

Section 10 - Stability and Reactivity

Incompatibility: Alkalis, bleach, oxidizers, reactive metals.

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

Target Organs: Skin - sensitizer. CNS depressant.

Section 12 - Ecological Information

Do not dispose of in the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Dispose of up to 2 gallons of concentrate in the sanitary sewer with a large amount of water. Larger amounts must be disposed of in an approved manner by trained and/or licensed handlers. Call Damon Industries at 1-800-362-9850 if you need more information or a waste/spill responder.

Section 14 - Transport Information

D.O.T. Hazard Class: Consumer Commodity ORM-D.

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 16 - Other Information

NFPA: H:1 F:0 I:0 **HMIS® III:** H:2 F:0 P:0 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 9/28/06. Converted to ANSI format.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.