

# Material Safety Data Sheet

Number: **DMN0024**

Product Name: **Boiler-Rite™ #14**

A liquid water treatment.

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  
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## Section 2 - Composition / Information on Hazardous Ingredients

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>Carcinogen</u>
Sodium sulfite	7757-83-7	1 - 2%	No
Sodium Hydroxide	1310-73-2	2 - 20%	No

## Section 3 - Hazards Identification

**Emergency Overview:** Concentrate is corrosive to skin and eyes. Dilutions are irritating to skin and eyes. Product is non-flammable, water based and presents little hazard in a fire. Product has a high pH and large quantities of concentrate should not be allowed into sewers without neutralizing. A colorless liquid - sharp odor.

**Primary Routes of Entry:**  Through Skin  Inhalation  Ingestion

### Potential Health Effects:

**Eyes** - causes severe irritation and damage, redness, tearing, blurred vision, may cause blindness.

**Skin** - Contact with the concentrate for more than a few minutes can cause permanent damage to the skin.

Damage can be avoided by prompt action. Use-dilutions cause irritation and possible damage with prolonged contact.

**Swallowing** - causes gastrointestinal irritation and burns, nausea, vomiting, diarrhea.

**Breathing** - excessive inhalation of vapors may cause irritation.

## Section 4 - First Aid Measures

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

**Skin Contact:** Immediately begin flushing exposed skin with running water and remove contaminated clothing and shoes as quickly as possible. Continue flushing exposed area with water for 15 minutes. If damage is evident or irritation persists, get medical attention. Wash clothing before reuse. Throw away contaminated shoes.

**Ingestion:** If the product is swallowed, do NOT induce vomiting. If the affected person is conscious, a glass of water to drink. Get medical attention immediately.

**Inhalation:** If affected, move person to fresh air. If irritation persists get medical attention.

## 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:** Small spills of up to 2 gallons may be cleaned up with a rag or mop. Larger spills should be diked to prevent spreading and then collected into clean pails or drums. Wear proper personal protective equipment.

## Section 7 - Handling and Storage

Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet.

## 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 sulfite	7757-83-7	1 - 2%	no established limits are available.		
Sodium Hydroxide	1310-73-2	2 - 20%	2 mg/m <sup>3</sup> (1)	-	2 mg/m <sup>3</sup> (2,3,4)
(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:** None.

**Protective Gloves:** Wear resistant gloves such as neoprene or latex while pouring/mixing. Do not use disposable latex gloves.

**Eye Protection:** Safety glasses with side shields or chemical goggles. An eye wash station should be located within 10 seconds travel time from where the concentrate is mixed or used.

**Other Protective Equipment:** If splashing of concentrate is possible, wear a plastic or rubber apron.

### Section 9 - Physical and Chemical Properties

**Boiling Point:** 212° F.

**Specific Gravity:** 1.05

**Percent Volatiles:** 93%

**Solubility In Water:** Complete

**Appearance and Odor:** Colorless liquid - sulfur dioxide odor.

**Vapor Pressure:** Not Available

**Vapor Density:** Not Available

**Evaporation Rate:** Same as water.

**pH:** 13.5 ± 0.5

### Section 10 - Stability and Reactivity

**Stability:** Stable

**Incompatibility:** Acids and oxidizers

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition Products:** Sulfur dioxide

### Section 11 - Toxicological Information

None.

### 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 may have to be neutralized to within the pH limits of your waste water treatment system before disposal. Call them for approval. Call Damon Industries at 1-800-362-9850 if you need neutralizing instructions.

### Section 14 - Transport Information

**D.O.T. Hazard Class:** UN 1824, Sodium Hydroxide, Solution, 8, P.G. II

### Section 15 - Regulatory Information

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

### Section 16 - Other Information

**NFPA:** H:2 F:0 I:0      **HMIS® III:** H:3 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 4/24/90. 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.