

**Section 1 - Identification**

Product Name: **Boiler-Rite™ #24** A liquid water treatment. Revised: 4/28/15

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**Section 2 - Hazards Identification**

Hazard categories: Skin Corrosion/Irritation 1; Eye Corrosion/Irritation 1  
 Hazard statements: Causes severe skin burns and serious eye damage.

Signal word: Danger  
 Pictogram: Corrosion



Precautionary statements  
Prevention

- Do not breath dusts or mists.
- Wash hands thoroughly after handling.
- Wear protective gloves such as latex.
- Wear eye protection such as safety glasses with side shields.

Response

- IF SWALLOWED:** Rinse mouth. Do not induce vomiting.
- IF ON SKIN (OR HAIR):** Take off immediately all contaminated clothing before reuse. Rinse skin with water. Wash contaminated clothing before reuse.
- IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER for medical advice.
- IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage: Store locked up.

Disposal: Dispose of contents in accordance with local, regional, national, and international regulations.

**Section 3 - Composition / Information on Ingredients**

Ingredient	C.A.S. No.	Concentration
Water	7732-18-5	77%
Sodium hydroxide	1310-73-2	10%
Sodium metabisulfite	7681-57-4	8%
Sodium carbonate	497-19-8	3%

The remaining ingredients are not reportable as described in Appendix D to Sec. 1910.1200 Table D.1.

**Section 4 - First Aid Measures**

- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, lifting upper and lower eyelids occasionally. If eye irritation persists: Get medical attention.
- Skin Contact:** Immediately begin flushing exposed skin with running water and remove contaminated clothing and shoes as quickly as possible. Continue flushing. 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**

**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

Ingredient	C.A.S. No.	Concentration	TWA(source)	STEL	Ceiling
Sodium Hydroxide	1310-73-2	10%	2 mg/m <sup>3</sup> (2)	-	2 mg/m <sup>3</sup> (3,4)
Sodium metabisulfite	7681-57-4	8%	5 ppm(2,3,4)	10 ppm(4)	-

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hour Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous  
Ingredients not shown either have no known limits or are below reportable levels in section 3 above.

**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

<b>Appearance and Odor:</b> A colorless liquid - slight odor.	
<b>Odor Threshold:</b> Not Available	<b>Vapor Pressure:</b> Not Available
<b>pH:</b> concentrate 13.5 ± 0.5	<b>Vapor Density:</b> Not Available
<b>Melting Point:</b> Not Available	<b>Relative Density (Specific Gravity):</b> 1.05
<b>Freezing Point:</b> Not Available	<b>Solubility(ies):</b> Water: 100%
<b>Boiling Point, Initial:</b> 218° F.	<b>Partition coefficient:</b> Not Available
<b>Boiling Range:</b> Not Available	<b>Auto-ignition Temperature:</b> Not Available
<b>Flash Point:</b> None. (ASTM D-56 closed cup)	<b>Decomposition Temperature:</b> Not Available
<b>Evaporation Rate:</b> ~1 (Water = 1)	<b>Viscosity:</b> Same as water.-
<b>Flammability: (solid, gas):</b> Not Applicable	<b>Volatiles Percent:</b> 75%
<b>Upper Explosive Limit:</b> None	<b>V.O.C.:</b> 0% - 0 grams/liter
<b>Lower Explosive Limit:</b> None	

## Section 10 - Stability and Reactivity

**Stability:** Stable

**Incompatibility:** None

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition Products:** None

## Section 11 - Toxicological Information

**Primary Routes of Entry:**  Skin contact;  Skin absorption;  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.

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

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

## 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.

## 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 9/28/10. GHS conversion.

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.