

Section 1 - Identification

Product Name: **Boiler-Rite™ Cleaner** An alkaline liquid cleaner. Revised: 4/22/16

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Section 2 - Hazards Identification

Hazard categories: Skin Corrosion/Irritation 2; Eye Corrosion/Irritation 2A
 Hazard statements: Causes skin and serious eye irritation.

Signal word: Warning
 Pictogram: Exclamation



Precautionary statements

Prevention

Wash hands thoroughly after handling.
 Wear protective gloves such as latex.
 Wear eye protection such as safety glasses with side shields.

Response

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage: None. Disposal: None.

Section 3 - Composition / Information on Ingredients

Ingredient	C.A.S. No.	Concentration
Water	7732-18-5	72%
Tetrapotassium pyrophosphate	7320-34-5	13%
Sodium metasilicate	6834-92-0	4%
Potassium hydroxide	1310-58-3	2%

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. If eye irritation persists: Get medical attention.

Skin Contact: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

Ingestion: If the product is swallowed, do NOT induce vomiting. If affected person is conscious, give two glasses of water to drink. Treat for shock by keeping the person warm and quiet. Get medical attention at once.

Inhalation: Move the affected 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 a few gallons may be washed to a sanitary sewer with a large amount 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.

Section 8 - Exposure Controls / Personal Protection

Ingredient	C.A.S. No.	Concentration	TWA(source)	STEL	Ceiling
Potassium hydroxide	1310-58-3	2%	2 mg/m ³ (2)	-	2 mg/m ³ (3,4)

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hr 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: None.

Respiratory Protection: None under the expected use conditions.

Protective Gloves: Wear resistant gloves such as neoprene or latex. Do not use disposable latex gloves.

Eye Protection: Safety glasses with side shields.

Other Protective Equipment: Wear a rubber or plastic apron to protect body and clothing when handling the concentrate. Do not wear porous cloth or canvas shoes. An eye-wash station and safety shower should be located within 10 seconds travel time of the use and mixing areas. See ANSI standard Z358.1-1998 for more information about eye-wash requirements.

Section 9 - Physical and Chemical Properties

Appearance and Odor: A colorless liquid with a slight odor.	
Odor Threshold: Not Available	Vapor Pressure: Same as water.
pH: 13.5 ± 0.5	Vapor Density: Not Applicable
Melting Point: Not Available	Relative Density (Specific Gravity): 1.1
Freezing Point: Not Available	Solubility(ies): Water: 100%
Boiling Point, Initial: 215° F.	Partition coefficient: Not Available
Boiling Range: Not Available	Auto-ignition Temperature: Not Available
Flash Point: None. (ASTM D-56 closed cup)	Decomposition Temperature: Not Available
Evaporation Rate: ~1 (Water = 1)	Viscosity: Same as water.-
Flammability: (solid, gas): Not Applicable	Volatiles Percent: 80%
Upper Explosive Limit: None	V.O.C.: 0% - 0 grams/liter
Lower Explosive Limit: 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 - concentrate causes eye damage and dilutions cause irritation & redness.

Skin - concentrate is irritating and prolonged contact may cause damage. Dilutions can cause irritation, redening or dermatitis.

Swallowing - may result in damage to mucous membranes.

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 5 gallons of concentrate in a sanitary sewer with a large amount of water. Larger amounts may be sewerable after being neutralized to within the pH limits of your waste water treatment system. Call your waste water department first.

Section 14 - Transport Information

D.O.T. Hazard Class: Not considered hazardous by D.O.T., I.M.O., I.A.T.A. or U.N.

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 3/2/04. 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.