

Section 1 - IdentificationProduct Name: **Boiler-Rite #10** A alkaline liquid water treatment compound. Revised: 6/12/15

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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. 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. Immediately call a POISON CENTER.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	70%
Sodium hydroxide	1310-73-2	30%

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. Immediately call a POISON CENTER.**Skin Contact:** Immediately flush skin with running water. As long as the slippery feeling remains the chemical may still be damaging the skin. Remove contaminated clothing and shoes as quickly as possible. Get medical attention if there is any visible change in the skin after rinsing. Contaminated clothing and shoes may not be salvageable and should be disposed of safely since product residue is highly corrosive.**Ingestion:** If the product is swallowed, do NOT induce vomiting. If affected person is conscious, give a glass of water to drink. Treat for shock by keeping the person warm and quiet. Get medical attention at once.**Inhalation:** None.**Section 5 - Fire Fighting Measures****Extinguishing Media:** Any.**Special Fire Fighting Procedures:** None.**Unusual Fire And Explosion Hazards:** May react with active metals such as aluminum and form hydrogen gas.**Section 6 - Accidental Release Measures****Steps To Be Taken If Material Is Released Or Spilled:** Wear proper safety equipment. Small spills of a gallon or less 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. Spilled product is very slippery. Do not store near acids or allow to come in contact with acids. Contact causes immediate boiling and spattering. Addition to water generates heat which may cause boiling and spattering. Add slowly to cold water only. Do not put into aluminum or magnesium containers.

Section 8 - Exposure Controls / Personal Protection

Ingredient	C.A.S. No.	Concentration	TWA(source)	STEL	Ceiling
Sodium hydroxide	1310-73-2	30%	2 mg/m ³ (2)	-	2 mg/m ³ (3,4)

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hour Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous

Ventilation: None.

Respiratory Protection: None. If liquid was sprayed into the air, protection would probably be needed.

Protective Gloves: Wear resistant gloves such as neoprene or latex. Do not use disposable latex gloves. Use of a longer glove is better than short wrist-length gloves.

Eye Protection: Safety glasses with good side shields as a minimum. Goggles or a face shield are better if splashing is likely.

Other Protective Equipment: Wear a rubber or plastic apron to protect body and clothing. Do not wear porous cloth or canvas shoes. Work boots are preferred. If handling is extensive, boots and full body protection may be called for. An eye-wash station and safety shower should be located within 10 seconds travel time of the use and mixing areas.

Section 9 - Physical and Chemical Properties

Appearance and Odor: A clear liquid with no odor.	
Odor Threshold: Not Available	Vapor Pressure: Not Available
pH: concentrate 14.0 ± 0.5	Vapor Density: Not Available
Melting Point: Not Available	Relative Density (Specific Gravity): 1.43
Freezing Point: Not Available	Solubility(ies): Water: 100%
Boiling Point, Initial: 293° 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: 70%
Upper Explosive Limit: None	V.O.C.: 0% - 0 grams/liter
Lower Explosive Limit: None	

Section 10 - Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Incompatibility: Strong acids such as sulfuric, nitric and hydrochloric, etc., reactive metals such as aluminum.

Hazardous Decomposition Products: Contact with reactive metals may release flammable hydrogen gas.

Section 11 - Toxicological Information

Primary Routes of Entry: Skin contact; Skin absorption; Inhalation; Ingestion

Potential Health Effects:

Eyes - causes severe damage and may cause blindness very quickly.

Skin - causes severe damage. Immediate rinsing is imperative. Prolonged contact can cause permanent damage and scarring. Skin grafting may be necessary.

Swallowing - causes gastrointestinal burns and severe damage to mucous membranes.

Breathing - there are no fumes. Inhaling a sprayed mist would be very damaging.

Section 12 - Ecological Information

Do not dispose of in the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Dispose of up to 1 gallon of concentrate in the sanitary sewer with a large amount of water. Some sewage departments may allow you to dispose of larger quantities without neutralizing. Call them for approval. Larger amounts may have to be neutralized to within the pH limits of your waste water treatment system before disposal. Call Damon Industries at 1-800-362-9850 if you need neutralizing instructions.

Section 14 - Transport Information

D.O.T. Hazard Class: Sodium Hydroxide, Solution, 8, UN 1824, 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:3 F:0 I:1 **HMIS® III:** H:3 F:0 P:1 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 4/28/15. Minor corrections.

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.