

# TRIDENT BOILERPRO H

## Hard Water Boiler Treatment

**Form:** Liquid

**Color:** Dark Brown

**Odor:** Characteristic

**pH:** 13.50 - 14.00

**Solubility (in water):** Soluble  
**(in mineral spirits):** Insoluble

**VOC Content (% by weight):** N/D

**Flash Point (ASTM D-7821):** None

**Specific Gravity:** 1.10 g/cm<sup>3</sup>

**Density:** 9.18 lbs/gal

**Storage Stability (at 70°F):** 1 year

**Ingredients**

**CAS #**

Water.....	7732-18-5
Sodium Hydroxide.....	1310-73-2
Potassium Carbonate.....	584-08-7
Polymer.....	Proprietary
Sodium Lignosulfonate.....	68131-31-7

**Control Parameters:**

- Treatment dosages should be controlled using a test kit, which indicates phenol (P) alkalinity levels.
- Phenol (P) alkalinity levels should be maintained between 500 ppm and 700 ppm.
- This treatment program must be accompanied by a regular blowdown schedule to maintain suggested chloride (Cl) or conductivity levels.

**DIRECTIONS:** The dosage of TRIDENT BOILERPRO H will depend on the percent of condensate returned, makeup water characteristics and initial cleanliness of heat transfer surfaces. The treatment program must be accompanied by a program of regular blowdown to remove sludge and suspended solids from the boiler. TRIDENT BOILERPRO H may be fed on a “one shot” basis or with an automated continuous system. Gradual and continuous feeding is recommended for industrial process and other large boilers. TRIDENT BOILERPRO H may be mixed with other boiler treatment chemicals, especially a steam line treatment and oxygen scavenger where needed, and diluted with water for convenient feeding. If the boiler water system has not been previously treated, add a starting dosage of twice the amount recommended for weekly dosages for the first four weeks.

**For weekly maintenance:** Add ½ gallon (2 quarts) of TRIDENT BOILERPRO H per week for each 25 horsepower of boiler capacity. This use rate may vary due to feed water hardness and differences in a boilers rated horsepower versus the boilers operational horsepower.

**Blowdown:** Open the blowdown valve until the level drop in the sight glass is reached, recommended starting point is 2 inches twice a week. Blowdown schedules will vary depending upon water hardness and permissible cycles of concentration.

HMIS				NFPA	
		Severe	4	Extreme	
Health .....	2	Serious	3	High	Health..... 2
Flammability.....	0	Moderate	2	Moderate	Flammability..... 0
Reactivity.....	0	Slight	1	Slight	Reactivity..... 0
Personal Protection.....	X	Minimal	0	Insignificant	Special Precautions.....None