



# SCOUT™ STEAM BOILER CLEANER TECHNICAL SPECIFICATION

Job Name _____	Item # _____
Location _____	
Engineer _____	Contractor _____
PO # _____	Tag _____
Representative _____	

## DESCRIPTION

- A non-toxic boiler cleaner that stops priming and surging in minutes and helps to eliminate pipe hammering-gets boiler water crystal clear. Removes rust, scale, oil, foam and impurities without draining or flushing system. **Scout** filters down through the boiler water, removing impurities as it sinks to the bottom. This soft sediment remains on the bottom, insuring easy and complete draw-off, leaving boiler and water completely clean. Eliminates time-consuming boiler shutdowns because it works while the boiler is operating normally. Inhibits corrosion by purging highly corrosive nascent oxygen. Saves fuel.
- Cleans pressure vessels, steam kettles, heat exchangers, steam generators and tanks. Can be used wherever water in a vessel is heated or agitated and where the sediment can be removed or drained off. Contains no petroleum distillates and is safe to use in hydronic systems with plastic or rubber components.
- **Scout** ensures trouble-free start-ups on new installations, and helps to attain peak efficiency on existing ones. When used on a regular basis provides clean, dry steam along with improved boiler efficiency and heat transfer. Safe to use on food service, process equipment and other sensitive, critical applications.

\*Please check with equipment manufacturer of system to determine compatibility with this product.

\*\*Minimum flow protection levels are estimated and are dependent on system and equipment.

## APPLICATION/USES

- Use **Scout** to clean all steam and hydronic systems including those with plastic and rubber components.
- Can be used to clean and remove rust, scale, oil, foam, and other foreign matter without completely draining or flushing system. Stops priming and surging of system.
- \*For special applications which may not be covered on this or other Oatey literature, please contact Oatey Technical Services Department by phone 1-800-321-9532, or fax 1-800-321-9535, or visit our technical database web-site at [www.Oatey.com](http://www.Oatey.com).

## WARNINGS OR CAUTIONS

- Read all cautions and directions carefully before using this product.
- Contains BARIUM SULFATE and NATURAL DIATOMACEOUS EARTH.
- Avoid prolonged inhalation of dust. May lead to pulmonary problems.



## PHYSICAL PROPERTIES

Specific Gravity 60°F - 65°F	0.34 to 0.36
Solubility in Water	Slightly soluble in water.
Appearance and Color	Off white, fine light powder.

## MATERIAL SAFETY INFORMATION

### FOR MORE INFORMATION ON THIS PRODUCT, REQUEST SAFETY DATA SHEET (SDS) #7034E

For Delivery By Fax	Call 1-800-321-9535
Internet	See SDS section of <a href="http://www.Oatey.com">www.Oatey.com</a>
HMIS® ratings	Health: 0 Flammability: 0 Physical hazard: 0

PRODUCT NUMBER	SIZE	PACKING	WEIGHT/CASE
35100	113 gram	12	5.0 lbs.

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## DIRECTIONS FOR USE

**Steam Boilers:** Shut down burners, relieve all pressure, remove safety valve, pour into opening, and replace valve, fire boiler. DO NOT DRAIN.

**Hot Water System Boilers:** require that all zone valving be closed to isolate the boiler. Next, sufficient water must be drained off to allow space to add the product. Reopen zone valving before firing up system. Allow 3 (three) days of normal operation then draw off sediment through drain cock.

**Note: Do not mix Scout - pour contents directly from can into boiler.**

### RECOMMENDED AMOUNTS OF SCOUT TO USE

Boiler Rating Sq. Ft. of Steam	Approx. BTU Equivalent	Cans of Scout Required (113 gms each)	House Size (if boiler rating is unknown)	Typical Sq. Ft. of Radiation	Cans of Scout Required (113 gms each)
350	85,000	1	2 apartments	500	1
1,500	360,000	2	4 apartments	800	1
3,000	720,000	4	8 apartments	1,200	2
7,000	1,680,000	8	16 apartments	2,200	3
15,000	3,600,000	12	30 apartments	4,000	5
20,000	4,800,000	16 (4 lbs.)	70 apartments	10,000	(2 lbs.)
50,000	12,000,000	40 (10 lbs.)	120 apartments	17,000	14 (3 lbs.)

Use full contents of one can for each 850 sq. ft. of boiler rating. For boilers over 8500 sq. ft., use one can for 1,250 sq. ft.

**Conversions:** 1 sq. ft. of steam = approx. 240 BTU  
 1 boiler H.P. = approx. 34,000 BTU = approx. 140 sq. ft.  
 1 can of scout = 113 grams = approx. 4 ounces.

When cleaning very large boilers, or using bulk sizes of Scout, one can = 113 grams = 4 ounces.  
 Thus if boiler requires 20 cans, the equivalent would be 5 lbs. of Scout.

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