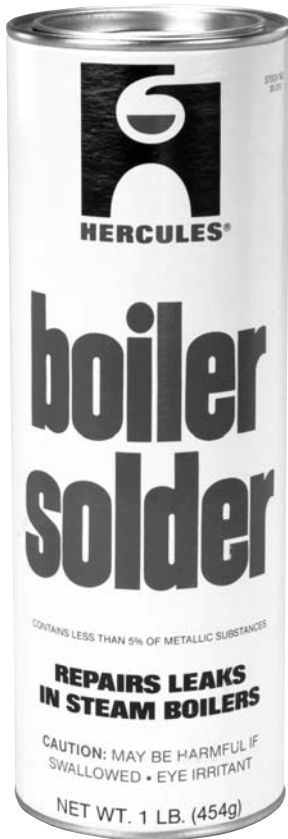


# Boiler Solder

Spec Sheet #S00031  
February 2001

## Powdered Stop-leak



Specifications

### DESCRIPTION

A free flowing powder that makes strong lasting repairs on difficult leaks in steam boilers. Easy-to-use, non-metallic powder finds the trouble spots and forms a tough seal which expands and contracts with heat, resists high pressure, and temperature, and is not affected by boiler cleaners. Will not clog the system or cause offensive odors. Petroleum-free. Can be used on all steam systems including those with rubber or plastic components. Will not interfere with normal boiler operation.

**Boiler Solder** seals leaky joints, sand holes, etc., in new installations which may appear after the work is completed. Use for older installations where corrosion, vibration, settling, expansion and contraction, and deterioration of packing and compounds causes leaks and cracks that need to be filled.

Note: Only steam enters the heating circuit of a steam system. **Boiler Solder** remains in the boiler water of steam systems and will not seal leaks in the radiator circuit.

### SIZES AND PACKING

STOCK NO.	SIZE	PACKING	WEIGHT/CASE
30-310	1 lb.	12	14.5 lbs.
30-315	50 lbs.	1	53.8 lbs.

Boiler  
Solder

# Boiler Solder Powdered Stop-leak

SPEC SHEET #S00031



## APPROVALS AND LISTINGS

Not applicable.

## SPECIFIC USES

For use on all hydronic systems including those with rubber or plastic components.

## SPECIFIC APPLICATIONS\*

Seals leaks in steam and hot water boilers.

## PHYSICAL PROPERTIES

Specific Gravity: 0.4 to 0.47  
Solubility in water: Insoluble  
Temperature Limitations: N/A  
Appearance/color/odor: Grayish-silver colored powder.  
Slight characteristic odor.

## WARNINGS OR CAUTIONS

- Read all cautions and directions carefully before using this product.
- **Keep out of reach of children.**
- Inhalation of dust may irritate nose or throat.
- Contact with eyes can cause irritation.
- Prolonged skin contact may cause irritation.
- May be harmful if swallowed.

## DIRECTIONS FOR USE

**Hot Water Boiler Systems:** Mix **Boiler Solder** with hot water and pour into hot boiler water. Can be poured directly into boiler. Never pour **Boiler Solder** into a cold boiler.

**Note: Not for use in domestic water systems.**

**Steam Heating Systems:** After some pressure has been obtained, turn off heat and allow pressure to drop down sufficiently so that the safety valve can be removed without burning hands. Mix **Boiler Solder** with hot water and pour into boiler or pour product directly into system. Replace safety valve and allow boiler to make steam, building up pressure as high as the safety limits permit. If the leak is severe, lower boiler water below the leak before adding **Boiler Solder**. Then refill boiler and make steam.

**Boiler Liquid and Boiler Solder** can be used in the same system but the combined dosage should not exceed recommended amounts.

Larger holes or cracks in areas not exposed to flames can first be filled with Hercules Pro poxy™ 20.

### DOSAGE FOR STEAM HEATING

RADIATION (IBR RATING)	ESTIMATED WATER CONTENT	AMOUNT OF BOILER SOLDER
Less than 350 sq. ft.	15-20 gals.	1 lb.
More than 350 sq. ft.	20-30 gals	1 1/2 lbs.
More than 500 sq. ft.	30-45 gals.	2 lbs.
More than 750 sq. ft.	45-60 gals	2 1/2 lbs
More than 1000 sq. ft.	more than 60 gals.	3 lbs.

## MATERIAL SAFETY INFORMATION

FOR MORE INFORMATION ON THIS PRODUCT,  
REQUEST MATERIAL SAFETY DATA SHEET (MSDS) #31

For Delivery by Fax	Call 1-800-942-4636
Internet	See MSDS section of <a href="http://www.herchem.com">www.herchem.com</a>
Mail	Contact Hercules at address below or any Hercules representative

HMIS Hazard Warning 1-0-0-E.

### INGREDIENTS CAS#

Benzoic Acid 65-85-0  
NJ-T.S.R. #31348300 5001P, 5040P, 5041P, 5042P  
Contains less than 5% of metallic substances.

\* For special applications which may not be covered on this or other Hercules literature, please contact Hercules Technical Services Department by phone at 1-800-221-9330 or send a fax to 1-800-333-3456.



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