

UNITED

L A B O R A T O R I E S

GENERAL INFORMATION:

United 312 BOILERMATE is designed to protect boiler surfaces against scale, corrosion and oxygen pitting. Regular use of **United 312** will keep your steam boiler operating cleanly and efficiently.

United 312 contains:

- Sulfite, to control dissolved oxygen and prevent pitting.
- Synthetic polymers, to prevent scale and condition sludge for easy removal by blowdown.
- Sequestrants, to control hardness and prevent scale.

DIRECTIONS FOR USE:

United 312 is best injected into the feedwater line between the final check valve and the boiler. A metering pump controlled by the feedwater pump control circuit may work best. **United 312** may also be added by pot feeder or into the feedwater (condensate return) tank. Talk to your United sales representative for recommendations on the best available equipment.

INITIAL DOSAGE: Add one gallon of **United 312** for every 1,000 gallons (1 litre for each 1,000 litres) of estimated boiler capacity.

MAINTENANCE DOSAGE: Feed enough **United 312** to maintain the boiler water sulfite level in the range 30 - 50 ppm.

BLOWDOWN: Every steam boiler should be blown down at least once per day. Adjust the blowdown schedule to maintain the total alkalinity of the boiler water in the range 500 - 700 ppm.

United 312 contains no volatile components and should be combined with a steam and return line treatment product such as United 311. Normally 1 part of United 311 will be used with 3 - 4 parts of **United 312**.

United 312

BOILERMATE

Synthetic Polymer Liquid Steam Boiler Treatment

KEEP OUT OF REACH OF CHILDREN.

CAUTION

**HARMFUL IF SWALLOWED.
SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS.**

PRECAUCION AL USUARIO:

Si usted no puede leer Ingles, pregunte a alguien que le traduzca esta etiqueta para usted antes de uso.

Manufactured and Sold Exclusively By:
UNITED LABORATORIES, INC.
320 37th Avenue • St. Charles, IL 60174
1-800-323-2594 • www.unitedlabsinc.com

CAUTION:

Contains Sodium Hydroxide (CAS #1310-73-2), Sodium Carbonate (CAS #497-19-8) and Sodium Metabisulfite (CAS #7681-57-4). Can cause burns and irritation of skin, eyes, mouth, throat, esophagus or stomach. Do not allow this product to come in contact with skin, eyes or clothing. Do not take internally.

EMERGENCY AND FIRST AID PROCEDURE:

EYES: Flush with plenty of water for at least 15 minutes while holding eyelids open. Call a physician or poison center immediately.

SKIN: Flush area with water while removing contaminated clothing and shoes. Follow by washing with soap and water. If irritation persists, call a physician or poison center.

INHALATION: Remove to fresh air. Apply CPR if needed and call a physician or poison center immediately.

IF SWALLOWED: Do NOT induce vomiting. Product contains alkalis. If conscious, dilute with several glasses of water. Call a physician or poison center immediately.

An MSDS for this product is available through United's website, www.unitedlabsinc.com, providing 24 hour access. Please read the MSDS carefully and follow all directions when using or handling this product. Never reuse empty containers. Incompatible materials may adversely react.

HMS® III CODE: 0=MINIMAL 1=SLIGHT 2=MODERATE 3=SERIOUS 4=SEVERE PERSONAL PROTECTION INDEX: Goggles and Gloves	HEALTH	2
	FLAMMABILITY	0
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	n&p