



8820 Old Hwy 99 SE, Tumwater, Washington 98501, USA
360-943-6063 8000-562-6184 FAX 360-352-4813 www.ch2o.com



6277 POSCA BOILER WATER TREATMENT

APPLICATION

Natural water contains gasses and minerals that can cause corrosion and deposit formation in steam boiler systems. This leads to loss of efficiency and damage from leakage or overheating. CH₂O Boiler Treatment Products are designed to reduce many of the inherent problems associated with steam boiler applications.

No chemical product can completely eliminate water-related problems; results are dependent on several factors including maintaining proper chemical residuals, system operation, design, cleanliness, metallurgy, and water quality. For optimal results the following actions should be taken by qualified operational personnel:

- Initial system cleaning and passivation;
- Maintaining feedwater free of contaminants and particulate matter;
- Insuring proper chemical feed rates and system blow-downs;
- Verifying proper operation of chemical control and pretreatment equipment; and
- Daily testing and recording of chemical residuals.

If problems are encountered maintaining product residuals, additional analytical testing may be required. At your request a CH₂O representative may assist in performing these services.

Product **6277** is a highly concentrated one-drum boiler compound for use in a wide array of applications that incorporates POSCA inhibitors with additional sulfite for chemical deaeration. It is well suited for mechanically deaerated feedwater with low to moderate alkalinity. If condensate pH neutralization is required, use product **6277A**.

SAFETY & HANDLING PROCEDURE

This product is a strongly alkaline liquid. Wear protective clothing and face shield when pouring from the container. Flush exposed skin with cold water. If ingested, do not give emetics; contact a physician and immediately follow his directions.

FEEDING TECHNIQUE

Pump directly into the makeup water line of the boiler or add via a one-shot or bypass feeder. It can also be added to a chemical feed tank or condensate receiver.

DOSAGE

Initially charge the system at a rate of 25 fluid ounces per 1,000 gallons of water. Reduce maintenance feed rate with respect to the cycles of concentration being maintained.

CONTROL

Maintain a residual of 6 to 15 parts per million of POSCA in the system at all times as tested on CH₂O's **P-2** test kit. Alternatively, maintain a residual of 15 to 30 parts per million of sulfite as tested on CH₂O's **SS-5** test kit. Consult your CH₂O representative for further testing information. Daily testing is necessary for best results. Daily testing is recommended to maintain proper control. Failure to monitor and maintain treatment levels can cause damage. It is the customer's responsibility to monitor and maintain treatment levels.

PHYSICAL PROPERTIES

pH of 1% Solution	11.0-13.0
Pounds per Gallon	10.6-11.1
Physical Appearance	Light Golden Liquid
Odor	Mild
Flash Point	N/A

Seller Warranty

CH₂O brand test reagent refills are available through your sales representative at no charge. Customers are required to confirm product compatibility via a control test for their specific application. CH₂O recommends that you perform regular/daily testing to control chemical levels and cycles of concentration within established limits. Additional tests may be performed at your request. Test reports reflect conditions at the point when the analysis was performed. Results will change over time and with varying operating conditions.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Jurisdiction for any issues arising from or relating to this product shall be in the courts of the State of Washington and the venue shall be Thurston County. Any controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the rules and procedures as stated in RCW 7.06 and shall be binding upon both parties without right to appeal, and judgment upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

Applies to all products sold by CH₂O, Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH₂O products is subject to the Standard Terms and Conditions as listed on CH₂O, Inc.'s website at: www.ch2o.com.

