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## The Chemtrol Solution for Sodium Hypochlorite



**The Problem:** Bleach (Sodium Hypochlorite) in water treatment applications can become trapped in the valve body cavity and may create valve failure conditions as it decomposes.

**The Chemtrol Solution:** Chemtrol's specially designed Bleach

Ball Valve effectively vents sodium hypochlorite gases, keeping inner valve surfaces constantly wetted and ensuring problem-free use of PVC and CPVC ball valves in water treatment applications.

**Water Treatment:** In the search for a safer alternative to chlorine, chemical and water treatment plants are converting to the use of sodium hypochlorite as a disinfectant or bleaching agent. A high pH level characterizes commercial bleach, consisting of a nominal 15% solu-

tion of sodium hypochlorite along with 1-2% of sodium hydroxide to act as a chemical stabilizer. Known as a good oxidizer, the solution has been found to cause stress cracking in polyethylene, polypropylene, and PVDF materials. And metallic materials react, causing rapid decomposition of the hypochlorite. Chemtrol PVC and CPVC ball valves with fluorocarbon rubber (FPM) seals, have been successfully used for years to handle this aggressive

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**Industry Events**

- IAPD 49th Annual Conference  
September 21-25, 2005,  
Chicago, IL

**Notes of Interest**

- My wife always said she wanted to marry a millionaire. Well, she made me a millionaire. I used to be a multi-millionaire. —  
**Chi Chi Rodriguez**

**Product News**

- Serfilco** – Foust Marketing has been appointed as representative for Serfilco, Ltd. We are excited about the addition of Serfilco's high quality pumps, filter media, filtration systems, filter chambers, instrumentation and controls. [www.serfilco.com](http://www.serfilco.com).
- Chemtrol** – Plastic Piping Handbook – **Now Available**
- Harvel** – Engineering and Installation Guide CD – **Now Available**

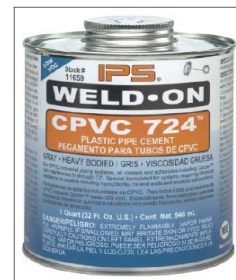
## IPS 724 – The CPVC Cement for Sodium Hypochlorite

Weld-On 724 CPVC plastic pipe cement is a gray, low VOC emission, heavy bodied, medium setting solvent cement specially formulated for joining CPVC industrial piping systems in all classes and schedules with interference fit through 12" diameter. May be used on PVC industrial piping systems for chemical applications.

IPS 724 provides strong chemical resistance to caustics, in-

cluding sodium hypochlorite, mineral acids, aggressive water, and other aqueous salt solutions.

Product performed well when tested in aggressive chemical services. IPS 724 was tested with PVC and CPVC at 100 PSI for 2,500 hours with 25% Nitric Acid, 20% Acetic Acid, 85% Phosphoric Acid, 12% Sodium Hypochlorite, 50% Sodium Hydroxide, and 37% Hydrochloric



Acid. Contact us for more information or visit their website at [www.ipscorp.com](http://www.ipscorp.com).

## Dave Stewart – New Product Manager for Chemtrol



We are pleased to announce Dave Stewart as the new Product Manager for Chemtrol products at NIBCO INC. Dave has been with NIBCO for thirteen years starting out in their International Division in Europe, and most recently was the Product Manager for Plumbing & Heating Valves in the USA.

Dave is Product Manager for pressure systems, PVC, CPVC, and Engineered Thermoplastics. This role will include all Chemtrol product lines. He is proactive about expanding and improving one of the broadest and highest quality product lines in the industry. He is already working on some new additions to the Chemtrol product line. We are excited to have Dave Stewart on the Chemtrol team. He welcomes any questions or comments at 574-295-3485 regarding the Chemtrol product line.

## The Chemtrol Solution – Continued



chemical solution. However, the high oxidizing nature of this chemical can lead to formation of caustic residue that makes the valve harder to turn and creates excessive wear on the seats.

**The Chemtrol Advantage:** The Chemtrol Bleach Ball Valve is the leading valve offering a viable solution for sodium hypochlorite. Features include:

- Tru-Union with an energized seat that will provide seat adjustment

for wear and leak-free service.

- Ball with adequate vent to upstream side in closed position.
- Individually packaged with each carton label depicting Bleach Ball Valve, size, material, and manufacturer.
- Valve body is marked externally with NSF symbol indicating approval for use with potable water, “bleach”, and two opposing arrows, inscribed with “flow” and “vent”.
- Modification or venting of assembled valves is unacceptable. There are inherent issues including; warranty will be void, damage to ball and seat are possible, and valves can be installed in reverse if not properly marked.

Contact us for more information on the Chemtrol Bleach Ball Valve, or visit their website at [www.nibco.com](http://www.nibco.com).

## The Blue Line – Enter to Win Prize!

Foust Marketing is offering the opportunity to win a prize in this issue of The Blue Line. The winner will be randomly selected from entries with correct answers to the product questions based on information provided within the newsletter.

This issue we are offering a Chemtrol golf shirt. Enter the drawing by visiting our website with the correct answers to the following questions:

1. What plastic materials are most compatible with sodium hypochlorite?
2. What side does the Chemtrol Bleach valve vent to when in the closed position?
3. Through what diameter pipe



should IPS 724 be used?

4. Can IPS 724 CPVC Cement be used on PVC pipe?
5. Where did Dave Stewart get his start with NIBCO?

Complete the entry form at [www.foustmarketing.com/entryform.htm](http://www.foustmarketing.com/entryform.htm).



*Engineered solutions for your business*

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