

Sent: Monday, January 23, 2006 11:09 AM

Subject: FW: BAD BOY REPORT: MORE BAD NEWS ABOUT BOTTLED WATER...AND THIS TIME, IT'S BOTTLES !

*this is an important followup. please see 2 messages immediately below concerning causes for leaching.
warmest regards to all,
ajl*

From: AQUATHIN SALES & MARKETING [<mailto:salesandmarketing@aquathin.com>]

Sent: Saturday, January 21, 2006 4:29 PM

To: AquaScience

Subject: RE: BAD BOY REPORT: MORE BAD NEWS ABOUT BOTTLED WATER...AND THIS TIME, IT'S BOTTLES !

Hi Noel;

There is plenty of logic in your concerns. My education tells me that leaching is directly proportionally to the conductivity of the contained media, pH (i.e. ketchup is acidic and aggressive), temperature of storage. Anyone who asked me about bottled water, I asked, "have you ever smelled distilled or spring water in those frosted gallon bottles?" The answer was always, "yes, it smells like plastic". Then I asked, "but why don't you smell the plastic odor in the same type of jug with milk inside?"

If it smells like plastic and tastes like plastic, as does those gallons and 2.5 gallons of water, something has leached. Milk did not leach because of temperature, alkalinity and conductivity.

Warmest regards,

Alfie

From: AquaScience

Sent: Saturday, January 21, 2006 10:07 AM

To: salesandmarketing@aquathin.com

Subject: Re: BAD BOY REPORT: MORE BAD NEWS ABOUT BOTTLED WATER...AND THIS TIME, IT'S BOTTLES !

Hi: Alfie; As I went into the Grocery store yesterday, I couldn't help thinking about all of those plastic containers that the Drinks, Juices, Ketchup, detergents, milk, and all 500 other products are sold in. Will these not leach out Antimony as well as other contaminants the longer they sit on the store shelves or many months, later when we take them off of our shelves to use them? ** Noel **

- Original Message -----

From: [AQUATHIN SALES & MARKETING](#)

To: Info@Aquathin.Com

Sent: Friday, January 20, 2006 12:39 PM

Subject: BAD BOY REPORT: MORE BAD NEWS ABOUT BOTTLED WATER...AND THIS TIME, IT'S BOTTLES !

Dear Aquathin Dealer OnLine;

This article comes by way of Noel Douglass, my long time friend and Authorized Aquathin Dealer north of Toronto. Test results show levels of antimony leaching from PET plastic bottles into bottled water. If you will refer to your chart entitled "Treating E.P.A. Regulated Water Contaminates" located in your Aquathin University Manual, you will see Antimony is a carcinogenic inorganic metal with the MCL set at 6 parts per billion.

This article is a big problem for bottled water producers, bottle manufacturers...and of course Consumers. Now also think about this...I've sent you NewsBulletins discussing the millions of pounds of plastic water bottles ending up in landfills, resulting in "xenoestrogen" pollution. That is now magnified by antimony accumulation...and it is a bioaccumulator.

So, now let me once again drive home the concern for leaching and what it means to you. Nothing leaches from any components in the Patented Aquathin RODI Process...we go into great detail for all raw materials and components...and your Test Data, along with a host of satisfied laboratory users, continue to prove this out. Interestingly when we began to market in Japan some fifteen+ years ago, one of the most aggressive tests was performed by the Japanese Ministry of Health in which they pulverized an Aquathin Kitchentop system into tiny granules and tested for extractables. Aquathin was the first American manufacturer of reverse osmosis water treatment devices to have achieved approval by the Japanese Ministry. As well your products are prescribed by physicians to patients that are chemically sensitive, who easily react to leachables.

I urge you to "duplicate, laminate & disseminate" this email for educating your prospective Customers using bottled water. I LOVE MY AQUATHIN !!!!

Warmest regards to all...as well, your comments are always welcome and very much appreciated.

FOR THE BEST TASTE IN LIFE &

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Think Aquathin...AquathinK !

(visit the allnew www.aquathin.com)

"Alfie"

Alfred J. Lipshultz, President

P.S. "Splash NewsBulletins", "Forum Q & A", "Allergic Reaction", Biz Bank, Tech Bank and Quote Bank... ARE ALL FREE services to all Authorized Aquathin Dealers and their clients to keep you abreast of technology updates and industry news.

From: AquaScience Intl.

Sent: Friday, January 20, 2006 10:56 AM

To: ALFIE

Subject: Emailing: 1402644-sun.htm

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NEWS NATIONAL

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Toxin leaches into bottled water

Fri, January 20, 2006

By [RANDY RICHMOND](#), FREE PRESS**REPORTER**

Bottled water in Canada -- advertised as especially clean and pure -- contains higher levels of a deadly toxin than groundwater and even tap water, a study released to The Free Press yesterday warns.

The polyethylene terephthalate, or PET, bottles leach a deadly toxin called antimony into the water, the study concludes.

The study was headed by Londoner William Shotyk, director of the Institute of Environmental Geochemistry at the University of Heidelberg in Germany.

"I don't want to shock people, but here's what I know: antimony is being continuously released into bottled drinking water. The water in PET bottles is contaminated," Shotyk said.

But the Canadian Bottled Water Association disputed that conclusion, saying the levels of antimony found in the study are well below Health Canada accepted levels.

"The levels do not pose a risk to humans," said Elizabeth Griswold, the association's executive director. "They are simply trace elements."

Shotyk agreed the levels are much lower than accepted standards, but said his research shows the public, scientists and regulatory agencies should take a closer look at the safety of drinking water in PET bottles.

Levels of antimony rise the longer the water stays in the bottle, he said.

"The point is that the antimony is constantly leaching into the water."

Antimony is a brittle, silver-white metallic element used as an alloy in manufacturing.



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Not much is known about its toxicity, say researchers. In small doses it can cause headache, dizziness and depression.

Larger doses cause violent and frequent vomiting and will lead to death in few days.

"Is there going to be a beneficial effect to having antimony in the water?" Shotyk asked.

Educated in part at the University of Western Ontario, Shotyk lives part-time in Germany and part-time in London.

Shotyk came to the study of water through looking at air. His current research focuses on the prevalence of antimony in the atmosphere.

In order to determine how much the toxin has accumulated over time, Shotyk and his team took ice core samples from the Canadian Arctic, then analysed them in their lab in Heidelberg.

At the same time, Shotyk tested the spring water at a family farm in Elmvale, near Barrie, just to see how clean it was.

"It is amazing how clean that water is," he said.

The springwater contained two parts per trillion (ppt) of antimony.

Reading scientific literature about water in PET bottles made with antimony alloy, Shotyk noted levels were up to 300 ppt.

Health Canada allows six parts per billion of antimony in water. But the difference in the groundwater antimony and bottled water antimony struck Shotyk as odd.

"That's when I asked one question. What is the influence of the container on the water?"

His research team collected and tested 15 different brands from Canada -- including eight or nine from Southern Ontario and three of those from London.

On average, when opened, the PET bottles showed levels of 160 ppt.

Even three brands of de-ionized water showed the same levels. "They should be very, very clean," Shotyk said.

Shotyk took water from near Elmvale, tested at two ppt, and put it in a PET bottle. Six months later, the water had 630 ppt of antimony, he said.

He also did a quick test of tap water in London.

The antimony in the tap water "is much lower than the bottled water," he said.

His team also collected 48 bottles of water from across Europe. The water in those bottles averaged 350 ppt of antimony.

In comparison, water in a bottle made of polypropylene, a different material, had only eight ppt of antimony.

Water in glass bottles had 30 times less antimony than in PET bottles.

Shotyk also collected water from a German commercial bottler at the source. The water contained four ppt of antimony before it was bottled. After it was bottled, it contained 360 ppt.

A bottle of that same brand of water, bought three months earlier, contained 700 ppt.

Shotyk said he has stopped drinking water bottled in PET plastic, preferring tap water or water in glass bottles.

"I can just see antimony in every PET bottle."

His full study is to be published in the Journal of Environmental Monitoring.

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