

Plumbing Products Register

Contaminant: Arsenic (As+5) ARSENIC COMMENTARY

Arsenic (chemical symbol As) is a naturally occurring contaminant found in many ground waters. The current maximum contaminant level for arsenic is 10 micrograms per liter (µg/l) [micrograms per liter are equivalent to parts per billion (ppb)]. Arsenic has been detected frequently in wells in Brown, Outagamie and Brown counties, and sporadically elsewhere in Wisconsin. For more detailed information of the occurrence of arsenic in Wisconsin groundwater consult:

<http://dnr.wi.gov/org/water/dwg/arsenic/index.htm>. For a printable brochure that can be shared with family and friends consult:

<http://dnr.wi.gov/org/water/dwg/Arsenic%20Brochure.pdf>.

Arsenic generally occurs in two forms, pentavalent arsenic [also known as As (V), As (+5) or arsenate] and trivalent arsenic [also known as As (III), As (+3) or arsenite]. In its pure, solid form, arsenic is a silver-gray to white brittle metal. Arsenic has no odor and is almost tasteless; thus the presence of arsenic in ground water can only be detected by a chemical analytical test. On a public water supply, this information is provided by the water utility; on a private well, the responsibility is the owners. Contact your local health department for advice on reputable labs in your area. In natural groundwater, arsenic may exist as pentavalent arsenic, trivalent arsenic or both. Particulate arsenic may also be present, especially in the presence of precipitating iron. Although all three of the aforementioned forms of arsenic are potentially harmful to human health, trivalent arsenic is considered most harmful. For more detailed information on the toxic effects of arsenic consult:

<http://www.epa.gov/safewater/arsenic/index.html>

People are exposed to arsenic primarily through the water they drink and foods eaten that are made with arsenic laden water. Seafood contains naturally high levels of arsenic. However, the arsenic in seafood is a relatively non-toxic, organically bound form sometimes referred to as “fish arsenic”. Fish arsenic is rapidly excreted from the body. Calcium supplements made with oyster shells may also contain high concentrations of arsenic. The burning of materials that contain arsenic (e.g. treated lumber) in a wood burning stove or fireplace may expose people to dangerous levels of arsenic via inhalation. For more detailed information on the risks and symptoms associated with arsenic exposure consult:

<http://dhfs.wisconsin.gov/eh/ChemFS/fs/arsenic.htm>

Trivalent arsenic is more difficult to remove from water than either pentavalent or particulate arsenic. Trivalent arsenic can be converted to pentavalent arsenic in the presence of an effective oxidant such as free chlorine [e.g. sodium hypochlorite (NaHClO), calcium hypochlorite (CaHClO)], potassium permanganate (KMnO₄), ozone

(O3/OH-1), and hydrogen peroxide (H2O2). Note that combined forms of chlorine (e.g. chloramines) are not sufficient to cause the conversion. In Wisconsin, it's vitally important that such oxidants not be added directly to a well. This is because chemical oxidants added directly to a well may serve to further increase the arsenic concentration of the well water, and can cause a safe well to become unsafe in terms of arsenic concentration. When treating water for arsenic in Wisconsin, the addition of any chemical oxidants must occur outside of the well system, downstream of the pressure tank. The pre-oxidation step is not necessary if, by way of reputable and repeated testing, it's determined that the arsenic present is already in the pentavalent form. The pre-oxidation step is also not required if the water treatment device selected is approved for the reduction of pentavalent and trivalent forms of arsenic. To differentiate between the forms of arsenic that may be present, a "total arsenic" test is not sufficient; to obtain this information you must request that the arsenic present be speciated.

More information about arsenic and its toxicity can be accessed via the U.S. Environmental Protection Agency website:

<http://www.epa.gov/safewater/arsenic.html>

Plumbing Products Register

Companies with approvals for the Contaminant: Arsenic (As+5)

[BAY LAKES ECOWATER](#)

[DURASTILL
INCORPORATED](#)

[HELLENBRAND
INCORPORATED](#)

[MEREDITH'S CULLIGAN](#)

[PURE WATER
INCORPORATED](#)

[WATER GROUP
COMPANIES INC](#)

[CULLIGAN
INTERNATIONAL](#)

[ECOWATER SYSTEMS
INCORPORATED](#)

[KINETICO
INCORPORATED](#)

[MICROLINE](#)

[SYLVAN SOURCE](#)

[WATER RIGHT INC. -
WATERCARE](#)

[DIAMOND WATER
CONDITIONING](#)

[GENERAL ELECTRIC
APPLIANCES](#)

[MARLO INCORPORATED](#)

[MULTI-PURE
CORPORATION](#)

[WATER CONTROL
CORPORATION](#)

[WATER RIGHT
INCORPORATED](#)

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[Go to top of page](#)

BAY LAKES ECOWATER

Attention: RANDY VODA

801 23RD STREET

TWO RIVERS, WI 54241

Telephone: 920-794-7077

Product Name: DOL-FYN STAINLESS STEEL DISTILLER

Model Number(s): W3416, W3516 AND W3716

Product File No: [20100472](#)

[Go to top of page](#)

CULLIGAN INTERNATIONAL

Attention: YE LIU

9399 W. HIGGINS ROAD, STE 1100

ROSEMONT, IL 60018

Telephone: 847-430-1349

Fax: 847-430-2317

Product Name: CULLIGAN SMART FILTER ARSENIC REDUCTION WATER
CONDITIONER (POE)

Model Number(s): 10-INCH, 12-INCH AND 14-INCH (POE)

Product File No: [20130402](#)

Product Name: AQUA-CLEER ADVANCED DRINKING WATER SYSTEM (POU)

Model Number(s): RO30 AND RO50 BOTH USING EITHER THE CB OR GAC
DECHLORINATION PREFILTERS AND THE SED 1, SED 2 OR SED 3 SEDIMENT
PREFILTERS (POU)

Product File No: [20130405](#)

Product Name: AQUA-CLEER DRINKING WATER SYSTEM (POU)

Model Number(s): RO30 AND RO50 BOTH USING THE PER CARTRIDGE AND
THE CB OR GAC CARTRIDGES (POU)

Product File No: [20140015](#)

Product Name: AQUA-CLEER DRINKING WATER SYSTEMS (POU)

Model Number(s): RO30 AND RO50 BOTH USING THE TD AND AS3
CARTRIDGES AND THE CB OR GAC CARTRIDGES (POU)

Product File No: [20140016](#)

Product Name: AQUA-CLEER DRINKING WATER SYSTEMS (POU)

Model Number(s): RO30 AND RO50 BOTH USING THE AS3 CARTRIDGE AND
THE CB OR GAC CARTRIDGES (POU)

Product File No: [20140017](#)

Product Name: AQUA-CLEER DRINKING WATER SYSTEMS (POU)

Model Number(s): RO30 AND RO50 BOTH USING TD CARTRIDGE AND THE CB

OR GAC CARTRIDGES (POU)
Product File No: [20140014](#)

[Go to top of page](#)

DIAMOND WATER CONDITIONING

Attention: JOHN GRIESBACH / DAN SCHLENZ
N1022 QUALITY DRIVE P.O. Box 170
GREENVILLE, WI 54942
Telephone: 920-757-5440
Fax: 920-257-5819
Product Name: CLEARFLO ELEMENT SERIES
Model Number(s): ELE-800 AND ELE-1600
Product File No: [20140361](#)

[Go to top of page](#)

DURASTILL INCORPORATED

Attention: DAVID BILLIARD
4200 NE BIRMINGHAM RD
KANSAS CITY, MO 64117
Telephone: 816-454-5260
Fax: 816-452-7581
Product Name: DURASTILL DISTILLERS
Model Number(s): 30H, 30J, 30J-40, 46A, 46C-40 and 46C-96L
Product File No: [20130048](#)

[Go to top of page](#)

ECOWATER SYSTEMS INCORPORATED

Attention: ALAN GRAEBERT
55 RAILROAD AVENUE
WEST HAVEN, CT 06516
Telephone: 203-764-2520
Fax: 203-764-2520
Product Name: ECOWATER
Model Number(s): ERO-375-WH, HERO-375-WH, ERO-375-CP, HERO-375-CP, ERO-375-BN, HERO-375-BN, ERO-375-BK, HERO-375-BK, ERO-375-RB, HERO-375-RB, ERO-375E-WH, ERO-375E-CP, ERO-375E-BN, ERO-375E-BK AND ERO-375E-RB
Product File No: [20130098](#)

[Go to top of page](#)

GENERAL ELECTRIC APPLIANCES

Attention: JAMES WHITE
AP2-120 APPLIANCE PARK
LOUISVILLE, KY 40225

Telephone: 502-452-5523
Fax: 502-452-0262
Product Name: REVERSE OSMOSIS SYSTEM WITH FAUCET (POU)
Model Number(s): GXRM10RBL (POU)
Product File No: [20140309](#)

[Go to top of page](#)

HELLENBRAND INCORPORATED

Attention: JILL MCDONALD
404 MORAVIAN VALLEY ROAD
WAUNAKEE, WI 53597
Telephone: 608-849-3050
Fax: 608-849-7398
Product Name: MILLENIUM
Model Number(s): MRO-35 MRO-35GF
Product File No: [20140108](#)

[Go to top of page](#)

KINETICO INCORPORATED

Attention: WALTER VANCE
10845 KINSMAN RD.
NEWBURY, OH 44065
Telephone: 440-564-4430
Fax: 440-564-9541
Product Name: K-5 DRINKING WATER STATION (POU)
Model Number(s): 12799 USING THE 12778 CARTRIDGE AND STANDARD 3 GAL.
STORAGE TANK (POU)
Product File No: [20130355](#)

Product Name: K-5 DRINKING WATER STATION (POU)
Model Number(s): 12799 USING THE WOW STORAGE TANK (POU)
Product File No: [20130353](#)

[Go to top of page](#)

MARLO INCORPORATED

Attention: STEVE LAMERE
2227 SOUTH STREET P.O. Box 044170
RACINE, WI 53404
Telephone: 414-681-1300
Product Name: REVERSE OSMOSIS DRINKING WATER SYSTEM (POU)
Model Number(s): REVERSE OSMOSIS DRINKING WATER SYSTEM (POU)
Product File No: [20140024](#)

[Go to top of page](#)

MEREDITH'S CULLIGAN

Attention: DON MEREDITH

1531 13TH AVENUE P.O. Box 373

UNION GROVE, WI 53182

Telephone: 262-878-1161

Product Name: CULLIGAN AQUA-CLEER REVERSE OSMOSIS DRINKING WATER SYSTEMS

Model Number(s): H-83, H-83C, H-83L, H-83LC, H-83C NITRATE, H-83C PREMIER AND H-83C REMOTE

Product File No: [20130117](#)

Product Name: MEREDITH'S CULLIGAN AQUA-CLEER DRINKING WATER SYSTEMS (POU)

Model Number(s): RO 30 AND RO50 BOTH USING THE TD AND PER CARTRIDGES AND THE CB OR GAC CARTRIDGES (POU)

Product File No: [20130049](#)

[Go to top of page](#)

MICROLINE

Attention: LORETTA TRAPP

4462 DURAFORM LANE

WINDSOR, WI 53598

Telephone: 608-846-3010

Fax: 608-846-2586

Product Name: MICROLINE (POU)

Model Number(s): T.F.C.-435 (POU)

Product File No: [20140026](#)

Product Name: MICROLINE (POU)

Model Number(s): T.F.C.-335 (POU)

Product File No: [20140027](#)

[Go to top of page](#)

MULTI-PURE CORPORATION

Attention: JENNIFER RICE

7251 CATHEDRAL ROCK DRIVE

LAS VEGAS, NV 89128

Telephone: 702-360-8880

Fax: 702-360-9310

Product Name: AQUAPERFORM

Model Number(s): MP880-SB, MP880SC, MP880SI AND MP880EL ALL USING THE CB11As CARTRIDGE

Product File No: [20130058](#)

[Go to top of page](#)

PURE WATER INCORPORATED

Attention: CARL HERREMAN

P.O. Box 83226

LINCOLN, NE 68501

Telephone: 402-467-9300

Product Name: PUREWATER DISTILLERS

Model Number(s): MINI-CLASSIC, MIDI-CLASSIC AND MEGA-CLASSIC

Product File No: [20130047](#)

[Go to top of page](#)

SYLVAN SOURCE

Attention: LORENE SALCIDO

1555 INDUSTRIAL ROAD

SAN CARLOS, CA 94070

Telephone: 650-594-1420

Fax: 650-594-1737

Product Name: SYLVAN SOURCE ULTRA-CLEAN WATER SYSTEM

Model Number(s): M-600

Product File No: [20120362](#)

[Go to top of page](#)

WATER CONTROL CORPORATION

Attention: BRIAN SODERHOLM

7150 143RD AVENUE NW

RAMSEY, MN 55303

Telephone: 763-427-9638

Fax: 763-427-5665

Product Name: (trans id 2908349) BRASS MASTER WATERMAKER 5 REVERSE OSMOSIS SYSTEM

Model Number(s): PS-5

Product File No: [20170043](#)

[Go to top of page](#)

WATER GROUP COMPANIES INC

Attention: ABHISHEK GUPTA

580 PARK ST

REGINA,

Telephone: 306-761-3210

Fax: 306-721-5610

Product Name: PURA

Model Number(s): QCRO4V-50 AND QCRO-50

Product File No: [20130021](#)

[Go to top of page](#)

WATER RIGHT INC. - WATERCARE

Attention: KURT GRUETT
1900 PROSPECT COURT
APPLETON, WI 54914
Telephone: 920-739-9401
Fax: 920-739-9406
Product Name: ULTROWATER (POU)
Model Number(s): RO35 (POU)
Product File No: [20140193](#)

[Go to top of page](#)

WATER RIGHT INCORPORATED

Attention: KURTT GRUETT
1900 PROSPECT COURT
APPLETON, WI 54914
Telephone: 800-777-1426
Fax: 920-735-0568
Product Name: ECLIPSE (POU)
Model Number(s): WRO-35 (POU)
Product File No: [20140194](#)

Plumbing Products Register

Companies with approvals for the Contaminant: Arsenic (As+3)

[CULLIGAN
INTERNATIONAL](#)

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[Go to top of page](#)

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Product File No: [20140016](#)

Plumbing Products Register

**Companies with approvals for the Contaminant:
Arsenic [total dissolved (As+3 + As+5)]**

[CULLIGAN
INTERNATIONAL](#)

[HELLENBRAND
INCORPORATED](#)

[U.S. WATER, LLC](#)

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[Go to top of page](#)

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Product File No: [20130402](#)

[Go to top of page](#)

HELLENBRAND INCORPORATED

Attention: JILL MCDONALD

404 MORAVIAN VALLEY ROAD

WAUNAKEE, WI 53597

Telephone: 608-849-3050

Fax: 608-849-7398

Product Name: ARSENIC CURTAIN (trans id 2624951)

Model Number(s): AC-10, AC-12, AC-13, AC-14, AC-16, AC-18, AC-21, AC-24, AC-30, AC-36, AC-42, AC-48, AC-54, AC-60 AND AC-66

Product File No: [20150259](#)

[Go to top of page](#)

U.S. WATER, LLC

Attention: KEVIN MARSHALL

6905 VENTURE CIRCLE

WESTON, WI 54476

Telephone: 715-842-2215

Fax: 715-843-6725

Product Name: (trans id 2898923) ARSENIC SHIELD

Model Number(s): AS101252, AS2011865, AS252472, AS502472-2 AND AS1002472-4

Product File No: [20170028](#)