



Materials, products and substances in contact with drinking water

Safe drinking water which has the trust of consumers

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Contents

Introduction	5
Applying for Approval to use a Material, Product or Chemical in Contact with Drinking Water	7
Guidance on WaterMark certification	8
Schedule 4 – Chemicals and Materials Assessed - Not Approved	9
Schedule 5 – Approved Materials	14
Schedule 5(a) – Approved Materials	27
Schedule 6 – Materials Assessed – Approved Subject To Condition	29
Schedule 7 – Chemicals Approved for Addition to Drinking Water	35
Schedule 8 – Chemicals and Products used to Maintain Water Treatment and Distribution Systems	40
Schedule 8(a) – Chemicals and Products used to Maintain Water Treatment and Distribution Systems	48
Schedule 9 – Chemicals and Materials used in Drinking Water Catchment Areas	49
Schedule 10 – Use of Fire Suppressants and Fire Retardants in Drinking Water Catchment Areas	50
More information	51



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Materials, products and substances in contact with drinking water

Introduction

Materials, products and substances used to collect, contain, control or treat water may also contaminate drinking water⁴. The “*Australian Drinking Water Guidelines*”⁵ encourages the protection of drinking water from catchment to consumer. One of the important factors influencing the quality of drinking water provided to consumers is the effect of various materials, products and substances that may come into contact with the drinking water as it is collected and supplied throughout the distribution system.

The Department of Health (Western Australia) only supports the use of any material, product or substance in contact with drinking water if it has been approved for its intended purpose. Schedules have been created for the following specific purposes:

Schedule 4 – Chemicals and Materials Assessed – Not Approved

Schedule 4 lists chemicals, products and materials that have been presented to the Department of Health and have not been approved for use in association with any drinking water application in Western Australia.

Schedule 5 – Approved Materials

Schedule 5 lists materials and products (linings, paints, resins, fittings etc) compliant to Australian Standard ‘AS/NZS 4020 *Testing of products for use in contact with drinking water*’ that have been noted as in use, or assessed and approved by the Department of Health for drinking water applications (for international equivalent certifications).

Products must be used in accordance with the manufacturer’s recommendations.

Schedule 6 – Materials Assessed – Approved Subject to Condition

Schedule 6 lists products that are used during bore construction or maintenance, and have been approved subject to the condition that they are removed before drinking water is produced. Products must be used in accordance with the manufacturer’s recommendations.

⁴ For the purposes of this document, the term ‘potable water’ has the same meaning as ‘drinking water’.

⁵ NHMRC, NRMCC (2011) “*Australian Drinking Water Guidelines Paper 6 National Water Quality Management Strategy*”. National Health and Medical Research Council, National Resource Management Ministerial Council, Commonwealth of Australia, Canberra, August 2018, available from: <https://nhmrc.gov.au/about-us/publications/australian-drinking-water-guidelines>



Schedule 7 – Chemicals Approved for Addition to Drinking Water

Schedule 7 lists chemicals either accepted or approved by the Department of Health for addition to drinking water in Western Australia.

This Schedule directly refers to Chapter 8 of the “*Australian Drinking Water Guidelines*”, which provides further information and guidance about quality assurance, monitoring and analytical advice and assessing levels of contaminants in chemicals used for drinking water treatment.

Water treatment chemicals not listed in Schedule 7 must be approved by the Department of Health WA before use with drinking water in Western Australia.

Schedule 8 – Chemicals and Products used to Maintain Water Treatment and Distribution Systems

Schedule 8 lists chemicals and products used to maintain water treatment and distribution systems that have been approved by the Department of Health for addition to drinking water.

Products must be used in accordance with the manufacturer’s recommendations.

Schedule 9 – Chemicals and Materials used in Drinking Water Catchment Areas

Schedule 9 lists chemicals and materials that have been assessed and approved by the Department of Health for use in drinking water catchment areas in Western Australia.

Products must be used in accordance with the manufacturer’s recommendations.

Schedule 10 – Use of Fire Suppressants and Fire Retardants in Drinking Water Catchment Areas

Schedule 10 lists products that are currently used in firefighting operations by the Fire Services Management Branch of the Western Australian Department of Biodiversity Conservation and Attractions (DBCA). These products have not been formally assessed for approval by the Department of Health as they are used in emergency situations in localised applications, pursuant to DBCA guidelines.



Applying for Approval to use a Material, Product or Chemical in Contact with Drinking Water

Materials, products and chemicals that are compliant with Australian Standard AS/NZS 4020:2018 or Chapter 8 of the “*Australian Drinking Water Guidelines*” may generally be used in contact with or to treat drinking water in Western Australia without applying to the Department of Health WA. The Department of Health should be notified prior to use, for inclusion in this factsheet. Products must be used in accordance with the manufacturer’s recommendations.

From 1 May 2019, the Department of Health WA requires any metallic, inorganic or polymeric material or product that is not included in this fact sheet to be certificated to *AS/NZS 4020:2018 Testing of products for use in contact with drinking water*⁶ prior to approval and inclusion in this fact sheet. If a wholly or partly polymeric material or product that is not already approved and listed in this fact sheet has been certificated to *AS/NZS 4020:2005* prior to 1 May 2019, it will need to be reassessed for certification against the 2018 edition of the Standard before being approved and included in this fact sheet.

Product manufacturers are also advised to note the advice about reverification testing set out in AS/NZS 4020:2018.

The Australian Water Quality Centre⁷, based in Adelaide, can be contacted for further advice regarding certification of products to AS/NZS 4020:2018.

International certifications which may be considered acceptable to approve a material, product or chemical include:

- NSF International Standard/American National Standard (NSF/ANSI) 60: Drinking Water Treatment Chemicals – Health Effects⁸;
- NSF/ANSI 61: Drinking Water System Components – Health Effects⁹;
- UK WRAS approval (compliant with British Standards BS 6920:2014 Suitability of non-metallic materials and products for use in contact with water intended for human consumption with regard to their effect on the quality of the water)¹⁰; and
- UK Drinking Water Inspectorate Regulation 31 approval (for all materials from source to point of supply, including treatment chemicals, pipes, fittings etc)¹¹.

The Department of Health WA will assess individual products for use in Western Australia only where a separate accreditation or certification process has not or cannot be applied.

⁶ Details at: https://infostore.saiglobal.com/en-au/Standards/AS-NZS-4020-2018-98879_SAIG_AS_AS_207934/

⁷ Contact details at: www.awqc.com.au/awqc/

⁸ Further information and approval status can be verified at <http://info.nsf.org/Certified/PwsComponents/index.asp?standard=061>

⁹ Details at: <http://info.nsf.org/Certified/PwsChemicals/>

¹⁰ Details at: www.wras.co.uk/approvals/products_and_materials_directory/

¹¹ Details at: www.dwi.gov.uk/drinking-water-products/approved-products/index.htm



For more information about other products that may come into contact with drinking water, such as fertilisers, herbicides, pesticides and specialised chemicals for non-potable uses, such as industrial boilers and air-conditioning units, please contact the Water Unit of the Department of Health WA¹² or refer to:

https://ww2.health.wa.gov.au/Articles/A_E/Drinking-water-catchment-management

Guidance on WaterMark certification

The National Construction Code, Volume Three: Plumbing Code of Australia, as adopted in part by the Western Australian *Plumber's Licensing and Plumbing Standards Regulations 2000* requires that all materials or products intended for use in contact with drinking water comply with AS/NZS 4020, for the protection of human health. This requirement forms part of the WaterMark certification.

The WaterMark Certification Scheme is a mandatory certification scheme for plumbing and drainage products to ensure they are fit for purpose and appropriately authorised for use in plumbing and drainage installations.

More information on the WaterMark certification scheme, including a database of products certified under that scheme, is available via the Australian Building Codes Board website:

www.abcb.gov.au/Product-Certification/WaterMark-Certification-Scheme

¹² Contact details at the end of this Fact Sheet.



Schedule 4 – Chemicals and Materials Assessed - Not Approved

Schedule 4 lists chemicals, products and materials that have been presented to the Department of Health and have not been approved for use in association with any drinking water application in Western Australia.

DoH REF	Year Assessed	PRODUCT	COMPANY	REASON
88/809 0/14	1989	A Catt Suppressor Valve	J A Industries	Previously approved. Unable to confirm current status.
92/8036	1992	Acothane Solvent Free Coating (brush grade)	Great Western Chemicals	Previously approved. Unable to confirm current status.
88/8090/4	1989	Acryl 60	ICI Building Products	Previously approved. Unable to confirm current status.
88/809 0/36	1990	Anzopol 3329003	Anzol Pty Ltd	Previously approved. Unable to confirm current status.
F-AA-39668	2016	Aqua Salveo	Drops of the Future	Did not demonstrate safety or efficacy of product. Contact DoH for details.
92/803 6/4	1993	Bostik N49 Primer (used with Seal N Flex 1)	Bostik	Previously approved. Unable to confirm current status.
88/8090	1984	Butynol	Shelter Engineering Pty Ltd	Previously approved. Unable to confirm current status.
88/809 0/24	1990	Calcure Type D	Cementaid Pty Ltd	Did not complete assessment
88/809 0/24	1990	Calform NX	Cementaid Pty Ltd	Did not complete assessment
88/809 0/24	1990	Calstrip	Cementaid Pty Ltd	Did not complete assessment
88/8090	1986	Carboline 191 4B Topcoat	Vessey Chemicals (WA) Pty Ltd	Previously approved. Unable to confirm current status.
88/8090	1986	Carboline 191 Primer	Vessey Chemicals (WA) Pty Ltd	Previously approved. Unable to confirm current status.
92/803 6/14	1990	Chesterton 855 Abrasion Control Liquid	John Venables	Previously approved. Unable to confirm current status.
92/803 6/14	1994	Chesterton ARC SC2 Abrasion Control Fluid	John Venables	Previously approved. Unable to confirm current status.



DoH REF	Year Assessed	PRODUCT	COMPANY	REASON
86/940	1985	Chevron Industrial Membrane	CIM Distributors	Previously approved. Unable to confirm current status.
88/8090	1985	Copon EA9	Dimet Western Australia	Previously approved. Unable to confirm current status.
-	1986	Corrocoat EP1	Corrocoat Aust Pty Ltd	Minor changes to formulation with no retesting to AS4020
88/8090/31	1992	Corroguard EP	Corroless Australia/Pics- Axlo Gp. PO Box 265 Altona VIC 3018	Previously approved. Unable to confirm current status.
88/8090/31	1992	Corroless RF35	Corroless Australia / Pics- Axlo Gp. PO Box 265 Altona VIC	Previously approved. Unable to confirm current status.
92/8036/8	1993	Cotene 9121/70A Black	Birwick march Pty Ltd	Previously approved. Unable to confirm current status.
92/8036/8	1993	Coterie 9121/70A Black	Solco International	Previously approved. Unable to confirm current status.
86/940	1986	Crystic 491	Monsanto Australia	Previously approved. Unable to confirm current status.
88/8090/30	1990	Derbigum SP Bitumen Membrane	Derbit Australia	Previously approved. Unable to confirm current status.
90/8163	1991	Dow Corning Silicone 780	Dow Corning Australia	Did not complete assessment
92/8036/13	1994	Drizoro Maxplug	Auswest Coatings	Previously approved. Unable to confirm current status.
90/8163	1991	Durapond	Duram Coating Products	Failed testing
88/8163	1991	Dyna Valve-Jumper Valve	Aplitek (Qld) Matro Labs	Previously approved. Unable to confirm current status.
90/8163	1991	Elastoseal	Crommelin Chemicals	Did not complete assessment
88/8090/13	1989	Elasto-thane 227R	ICI Building Products	Did not complete assessment
88/8090/19	1989	Emastak	Gating Pty Ltd, Barry Arnold	Previously approved. Unable to confirm current status.
86/940	1989	Ferroguard	Newcastle Chemicals	Previously approved. Unable to confirm current status.
88/8090	1986	Fluigide E	Corrocoat Australia Pty Ltd	Minor changes to formulation with no retesting to AS4020.
88/8090	1986	Gipchem Permafex	Gippsland Chemicals	Previously approved. Unable to confirm current status.



DoH REF	Year Assessed	PRODUCT	COMPANY	REASON
88/809 0/09	1988	Glass Fibre Reinforced Polyester	FG Industries	Previously approved. Unable to confirm current status.
88/809 0/39	1991	Halar Fluoropolymer Resin	ACPS Lined Systems	Did not complete assessment
88/809 0/01	1990	HIP2835 Stabiliser	Hardie Iplex	Did not complete assessment
88/8090	1985	Hycote 151	Underwater Technology Corp	Previously approved. Unable to confirm current status.
92/803 6/3	1993	Hydrotite CJ 0725-3K Rubber Sealant	Parchem	Previously approved. Unable to confirm current status.
92/8036/3	1993	Hydrotite SS 0220 Rubber sealant	Parchem	Previously approved. Unable to confirm current status.
92/8036/9	1993	Innotech Rain Water Tanks	Innotech Site Services	Previously approved. Unable to confirm current status.
88/809 0/18	1991	Interpon HD 3005 epoxy powder coating	Taubmans Pty Ltd	Did not complete assessment
88/809 0/43	1991	Isophthalic Resin (KEM 142)	ICI Dulux Resins	Did not complete assessment
88/809 0/46	1991	Leakmaster LVI	Parchem	Previously approved. Unable to confirm current status.
90/8163	1992	Magnaspheres (granules)	Stetley	Previously approved. Unable to confirm current status.
F-AA-13607	2018	MCU Mastic	Metaltec	Did not complete AS4020 assessment
88/8090	1986	Merco 219	Bestobell Engineering Products	Previously approved. Unable to confirm current status.
88/809 0/16	1989	Metallic Zinc Spray	John McCoy & Assoc	Did not complete assessment
88/809 0/45	1991	Neste 0909 polyethylene manufacture	Morris White Pty Ltd	Previously approved. Unable to confirm current status.
88/809 0/40	1991	Noverox AX/Sx	General & Technical Distributors, Balcatta WA	Previously approved. Unable to confirm current status.
88/809 0/28	1990	Nutra Rust 661	Burwood Agencies	Did not complete assessment



DoH REF	Year Assessed	PRODUCT	COMPANY	REASON
88/8090/43	1991	Orthophthalic Resin (73-2020)	ICI Dulux Resins	Did not complete assessment
88/8090	1986	Pabkote	Pabco Products	Previously approved. Unable to confirm current status.
88/8090/12	1989	Peratol	BTR Industrial Products Pty Ltd	Previously approved. Unable to confirm current status.
88/8090	1987	Polyethylene Pipes	Industrial Pipe Systems	Previously approved. Unable to confirm current status. [Status refers to specific product, not all PE pipes.]
88/8090/22	1990	Polyethylene Resin Hostalen GM 5010	David Moss Trading Pty Ltd	Did not complete assessment
90/8163	1991	Procure (Sprayable rubber)	Dunlop Industrial products	Did not complete assessment
86/940	1986	PU 119	Ludavici JC & Son Ltd	Previously approved. Unable to confirm current status.
86/940	1986	PU40	Ludavici JC & Son Ltd	Previously approved. Unable to confirm current status.
95-06134	2002	PVA (bags)	Orica Chemicals	Previously approved for use in 2002 but no longer approved.
2109th1a	2012	PVA (bags) - Plantic TFR V2019	Plantic Technologies Ltd	Previously approved for trial use in 2012 but no longer approved.
03/6935	2003	PV Liquid Vinyl (PV311-Top)	Industrial Coating Solutions PTY Ltd	Previously approved. Unable to confirm current status.
97/7042	1997	Qualipoly Isophthalic Polyester Resin K530	Qualipoly Chemical Corp., Taiwan	Previously approved. Unable to confirm current status.
88/8090/51	1992	Rafpoxy A52 High Build	Raffles Paints	Did not complete assessment
88/8090/23	1989	RCL Polyester Resin	RCL resinous Chemicals	Failed chemical leachate testing
88/8090/42	1991	Red Mud Plastic	J P Distributors	Did not complete assessment
88/8090/21	1990	Secoseal 200	Expandite (Australia) Pty Ltd	Did not complete assessment
88/8090/35	1990	Shamir Epoxy Polyester	Amiad Australia Pty Ltd	Did not complete assessment



DoH REF	Year Assessed	PRODUCT	COMPANY	REASON
88/809 0/37	1991	Sikaflex 1a	Sika Australia	Previously approved. Unable to confirm current status.
88/809 0/29	1990	Steel it coatings	Specialty Metals	Did not complete assessment
88/809 0/24	1990	Superplastet SR	Cementaid Pty Ltd	Did not complete assessment
88/809 0/06	1994	Tank lining High Build Epoxy	Courtaulds (Australia) Pty	Did not complete assessment
88/809 0/04	1989	Thoroseal	ICI Building Products	Previously approved. Unable to confirm current status.
92/803 6/10	1993	Thortex Cerami-Tech CR	Simtech Sales & Services, Carine WA	Previously approved. Unable to confirm current status.
88/8090	1990	Turbomag Electromagnetic water treatment system	Turbomag Australia Pty Ltd	Previously approved. Unable to confirm current status.
88/809 0/02	1990	UPVC Pressure Pipe	Humes Plastics Pty Ltd	Previously approved. Unable to confirm current status.
88/809 0/15	1989	Ureseal 270	ICI Building Products	Previously approved. Unable to confirm current status.
88/8090	1988	Waterplug	ICI Building Products	Previously approved. Unable to confirm current status.
04/7215	2005	WR-525 Carbon Fibre Reinforced PEEK (polyaryl-etherketone polymer) Composite	Victrex PLC	Previously approved. Unable to confirm current status.
88/809 0/20	1992	Z bond roof and gutter silicone	Brenntag	Previously approved. Unable to confirm current status.
88/809 0/20	1992	Z bond V60 glazing silicone	Brenntag	Previously approved. Unable to confirm current status.

Notes

DoH Department of Health (Western Australia)



Schedule 5 – Approved Materials

Schedule 5 lists materials and products (linings, paints, resins, fittings etc) compliant to Australian Standard 'AS/NZS 4020 Testing of products for use in contact with drinking water' where the Department of Health (Western Australia) has been advised that the product is in use for drinking water applications.

Any material, product or substance compliant to AS/NZS 4020:2018 may be used in contact with drinking water without application to the Department of Health. However, care should be taken to ensure the product remains valid for use if not listed on this factsheet.

Products must be used in accordance with the manufacturer's recommendations.

Please note that water treatment chemicals approved for use in Western Australia are listed in [Schedule 7](#). Chemicals and products approved for use to maintain water treatment and distribution systems are listed in [Schedule 8](#).

DoH REF / WC DOC NO	Year listed by DoH	PRODUCT	OTHER NAMES	COMPANY	APPROVAL TYPE	RESTRICTION OR COMMENT
7351482	2012	622 White Grease	-	Chesterton	NSF Approval with incidental food contact	Lubricant
E-AA-13-25495	2013	Aeon PVC/ Elvaloy Tank Membrane	Replaces Nylex Potable Membrane	Innova International Pty Ltd	AS4020: 2005 (completed 4/3/2010)	In-line/tank membrane liner
99-06176 F-AA-25238	1999	Akzo Nobel Interline 876	-	Pentair Water and Environmental Systems	AS4020: 2005 (completed 5/10/2010)	Sealant to cement mortar lined water supply mains.
D-AA-18/77783	2018	Amex Saniline W	-	AMEX GmbH	AS4020:2005 (completed 7/8/2015)	Composite pipe lining material
F-AA-13706/2	2016	Anhydride Cured Epoxy Resin	-	Fiber Glass Systems NOV	NFS/ANSI Standard 61 – Approval 2013	Bore casing
D-AA-19/61217	2019	Aqua-Pipe PU	-	Sanexen Services	AS 4020:2005	Plastic urethane membrane
D-AA-16/27542	2016	Aquatex Aqualiner	AQEF Trafab	Bartlett Tank Liners	NSF/ANSI Standard 61 (confirmed 8/4/2019)	In-line/tank membrane liner



DoH REF / WC DOC NO	Year listed by DoH	PRODUCT	OTHER NAMES	COMPANY	APPROVAL TYPE	RESTRICTION OR COMMENT
F-AA-13607/02	2017	AR-HT Abrasive-resistant thermoplastic	-	Greene, Tweed & Co	BS 6920 Approval	Thermoplastic/ PEEK composite
F-AA-25319	2013	Bactericidal Polydex Lubricant	Replaces Vinidex Jointing Lubricant	Vinidex	AS4020 Approval in 2004	Lubricant for rubber ring joints
7746652	2012	Belzona 1111 Supermetal	Belzona Supermetal	Rezitech Services	AS4020 Approval in 2011	Coating
7746657	2012	Belzona 1341	Super Metalglide	Rezitech Services	AS4020 Approval in 2011	Coating
92-08036/5 E-AA-13-25496	1994	Bondstrand Series 2000 pipe	-	Wenco Pty Ltd, O'Connor, WA	NSF/ANSI Standard 61 (confirmed 8/4/2019)	Glass-reinforced epoxy water pipe
F-AA-25224	2013	Carboguard 690 N53 Blue/Grey and White	-	Altex Coatings Ltd	AS4020:2005 (approved 7/12/2009)	Contact DoH for conditions of approval.
D-AA-19/41129	2019	Caltite	-	Cementaid	WRAS App No. 1804526	Contact DoH for conditions of approval
8234324	2012	Ceram-Chem RP500	-	Chemco International	AS4020 Approval in 2010	Coating
9772116	2013	Chemclad XC	-	Enecon Corporation	NSF Approval 2011	Coating
F-AA-13607	2019	Chemonit 181		Rema Tip Top GmbH Germany	BS 6920 Approval	Rubber lining – for use with water up to 60°C.
2503 th1a	2012	Chemspray 690	-	Chemind Hi-Tec Polymers	On file	Lining Material
7908322	2012	Chesterton ARC 855	ARC 885	Imatech Abrasion and corrosion	WRAS Approval 11 May 2009	Coating
7908331	2012	Chesterton ARC S2	ARC S2	Imatech Abrasion and corrosion	WRAS Approval 11 May 2009	Coating
F-AA-13607	2019	Coletanche ES1, ES2, ES3, ES4	-	Axter Coletanche Inc. Montreal Quebec Canada	NSF/ANSI 61 Approval 2017	Bituminous geomembrane



DoH REF / WC DOC NO	Year listed by DoH	PRODUCT	OTHER NAMES	COMPANY	APPROVAL TYPE	RESTRICTION OR COMMENT
8909748	2013	Combiflex SG	-	Sika Australia	AS4020 Approval in 2012	Sealant
92-08036 F-AA-25277	1997	Conbextra GP	-	Fosroc Expandite NSW	AS4020:1994 approval 22/02/1996	General purpose non-shrink cementitious grout.
92-08036 F-AA-25276	1997	Concure WB30	-	Fosroc Expandite NSW	AS4020:2005 approval 25/8/2010	Retains moisture in concrete for effective curing.
9187636	2013	Copper Tube (20 mm diameter) QLKE-160-070-4-1-4-23-3-2-00	-	ABB Industrial Systems Pty Ltd, Luvata, Sweden	AS4020 Approval in 2013	Material of small bore cooling pipe that runs through pump motor cooler at SSDP
D-AA-16/13300	2016	CSPE Liner	-	Burke Industries	AS4020:2005 approval 3/3/2011	Lining Material
96220967	2020	Dayton Superior Clean Strip J1EF	-	Dayton Superior Corporation	NSF/ANSI 61	Concrete form release agent
EHB-01509	2009	Deacon 360-FG	-	Deacon Industries Inc.	On file	Reseal packing glands of sluice valves.
EHB-01480	2009	Denso Butyl Primer & Tape	-	Denso (Australia) Pty Ltd	On file	Corrosion prevention of tank steel columns
EHB-01339	2009	Devcon Brushable Ceramic	-	ITW Polymers & Fluids	On file	Corrosion control
F-AA-13607	2019	Divercote RA500 (Epo-Chem RA500)	Divercote / Epo-Chem RA500UW / RA500M	Chemco International Ltd	NSF/ANSI 61; NSF/ANSI 372	Coating. For use at temperatures over 5°C.
0a07 th1a	2010	Dupont Tank Tan EFT-602-P7	-	Dupont	On file	Adherence to NSF 61 approval conditions
7746637	2012	Duremax GPE Part A & B	General Purpose Epoxy Part A & B	Dulux Australia	AS4020 Approval in 2012	Coating



DoH REF / WC DOC NO	Year listed by DoH	PRODUCT	OTHER NAMES	COMPANY	APPROVAL TYPE	RESTRICTION OR COMMENT
7746630	2012	Duremax GPE Water Tank Grey Part A	General Purpose Epoxy	Dulux Australia	AS4020 Approval in 2004	Coating
7746647	2012	Duribild HSE Part A & Part B	High Solids Epoxy Part A & B	Dulux Australia	AS4020 Approval in 2011	Coating
F-AA-13607	2014	Duribild HSE White Light 74463001		Dulux Australia	AS4020 Approval in 2011	Coating
D-AA-16/13301	2016	Enviroliner 6000	Enviroliner 6040	Layfield Geosynthetics & Fabrics	AS4020 Approval in 2007	Tank liner
99-06075 F-AA-25273	1999	EPDM compound 5567	-	Pentair Water and Environmental Systems	Latest AS4020 Approval in 2011	Pressure seal in steel pipelines
F-AA-5273	2013	EPDM Ref FR5615	-	Stockbrands Co Pty Ltd	AS4020 Approval in 2006	Material for rubber flange gasket
F-AA-13607	2019	EPDM Rubber (EP 701110 HW)	-	Zenith Industrial Rubber Products PVT Ltd India	BS 6920 Approval	Rubber diaphragm, for use with water up to 23° C.
96216860	2020	EPDM Rubber	-	Unitech Rubber Seal Solutions (Tianjin) Co Ltd	BS 6920 Approval	Rubber material, for use with water up to 85° C.
88-08090/33 F-AA-25281	1991	Epigen 1311	-	Peerless Industrial Systems	Latest AS4020 Approval in 1999	Waterproof coating
9488334	2013	EpiMax 330	Solventless Epoxy Coating	Epimax Technologies	AS4020 Approval in 2011	Coating
9954677	2013	EpiMax 333AR	-	Epimax Technologies	AS4020 Approval in 2013	High Build acid resistant coating
F-AA-13607/0 2	2016	EpinameL DTM985	-	Valspar Paint Pty Ltd	AS4020 Approval in 2015	Tank coating
1b21 th1a	2011	Epirez 633	-	ITW Polymers and fluids	On file	Mortar binder
88-08090 F-AA-25355	1989	Exit Rust	-	Liquied Engineering	On file	Pre-treatment of metallic surfaces



DoH REF / WC DOC NO	Year listed by DoH	PRODUCT	OTHER NAMES	COMPANY	APPROVAL TYPE	RESTRICTION OR COMMENT
92-08036 F-AA-25279	1997	Expandaf foam Strip	-	Parchem	On file	Joint filler in concrete
E-AA-13-25494	2013	Fibreglass Composite Laminate from Crystic VE 671 Resin	-	Summit Composites Pty Ltd	AS4020 Approval in 2009	Composite for pipes and tanks
88-08090 F-AA-25347	1986	Fibretak	-	Calmarc Chemicals	On file	Coating
7960112	2012	Flexitiff Part A & B	Polyurea Elastomer Coating Part A & B	Dulux	AS4020 Approval in 2009	Coating
EHB-03010	2011	Flexus Shotbond	-	ITW New Zealand Ltd	On file	Lining drinking water pipes. Contact DoH for conditions of approval.
88-08090 F-AA-25283	1986	Fluiglide	-	Corrocoat Australia Pty Ltd	On file. Latest AS4020 Approval in 2004	Coating
9488531	2013	Hard Rubber - General	-	ABB Australia	WRAS Approval in 2010	Internal Lining of ABB Magnetic Flowmeter
9047955	2013	Hepadur Multi-Strength 35530	-	Sika Australia	NSF International 09/11/2011	Coating
98161455	2020	HIT-RE 500 V3	-	Hilti AG / Hilti (Aust) Pty Ltd	NSF/ANSI 61	Epoxy Adhesive Anchoring System
88-08090/26 F-AA-25280	1990	Hobas, Centrifugally Cast GRP Pipes	-	Global Pipe Australia Pty	Latest AS4020 Approval in 2013	Water Pipes
92-08036	1997	Hydrocell	-	Parchem	On file	Joint filler in concrete
D-AA-16/5289	2016	Hydro 90	-	Sarco Stopper Ltd	UK WRAS Approval No. 1507560	Silicon spray. Contact DoH for restrictions.
D-AA-27359	2016	Industratex 420	-	Bartlett Tank Liners	AS4020 Approval in 1998	PE liner.



DoH REF / WC DOC NO	Year listed by DoH	PRODUCT	OTHER NAMES	COMPANY	APPROVAL TYPE	RESTRICTION OR COMMENT
D-AA-16/27536	2016	Industratex 650	-	Bartlett Tank Liners	AS4020 Approval in 1998	PE liner
10776872 F-AA-13607	2014	Intercrete 4841	Cementitious Coating 851 (UK)	AkzoNobel	AS4020 Approval by NSF-WRc 05/12/2013	Coating
10703719 F-AA-13607	2014	Intercrete 4842	Cemprotec Elastic (UK)	AkzoNobel	AS4020 Approval by NSF-WRc 05/03/2014	Coating
10776890 F-AA-13607	2014	Intercrete 4872	Cemprotec 2000-S (UK)	AkzoNobel	AS4020 Approval by NSF-WRc 05/12/2013	Tape
7746652	2012	Interline 850 White	TLA850/ TLA856	AkzoNobel	AS4020 Approval in 2010	Coating
7746647	2012	Interline 921	THA921/ THA922	AkzoNobel	AS4020 Approval in 2012	Coating
88-08090/27 F-AA-25238	1990	Interline 925	THA125	International Paint	On file. Latest AS4020 Approval in 2011	Coating. Adherence to manufacturer's conditions
7746657	2012	Interline 975/ Interline 975P	THA975/ THA973	AkzoNobel	AS4020 Approval in 2012	Coating
1c20 th1a	2011	Interline 975 Part A & B	-	International Paint	On file	In-line and tank liner
7746630	2012	International Paint Intercrete 4802	Intercrete 4802	AkzoNobel	Has UK approvals	Cement
7604378	2012	Jotacote 605	-	Jotun Australia	AS4020 Approval in 2010	Coating
7604432	2012	Jotacote UHB	-	Jotun Australia	AS4020 Approval in 2006	Coating
7351470	2012	Lanotec Type A Grease	-	Lanotec	AS4020 Approval in 2011 (except taste)	Lubricant



DoH REF / WC DOC NO	Year listed by DoH	PRODUCT	OTHER NAMES	COMPANY	APPROVAL TYPE	RESTRICTION OR COMMENT
D-AA-18/77775	2018	Linagard FG	-	Weir Minerals Malaysia	Group 1A approval. FDA CFR177.2600 compliant with acceptable barriers.	Food Grade natural rubber
F-AA-51792	2017	Line-X XS-350	-	Line-X Australia	On file	Spray on protective coating
F-AA-13607/02	2017	Loctite	Loctite LB 8014, Loctite Food Grade Anti-Seize	Loctite	NSF Approval with incidental food contact	
00-06180 F-AA-25362	2001	MIEX DOC Resin	-	Orica	On file. Latest NSF International 2011	Water treatment system
7784068	2012	MP & M Mortar	-	Concrete Waterproofing Manufacturing	AS4020 Approval in 2012	Mortar
10449169 F-AA-13607	2014	MX3 FG	-	Inox	NSF Approval - 22/09/2011. Incidental Food Contact	Lubricant
92-08036 F-AA-25275	1997	Nitocote EP405	-	Parchem	On file. Latest AS4020 Approval in 2008	Lining and water-proofing of tanks
F-AA-13607/02	2018	NovaFlo 2000M & sealing gasket	-	Novafast	AS4020 Approval in 2018	Glass-fibre epoxy pipe and EPDM sealing gasket
F-AA-13607	2016	Novatex SQ-S Gasket	Inertex SQ-S Expanded PTFE Gasket Sheet	Novus Sealing	NSF/ANSI Standard 61 approval.	Gasket/sealing material
EHB-03010	2011	Nukote ST Polyurea	-	Nukote Distributions Pty Ltd	On file	Liner in potable water tanks. Contact DoH for conditions of approval.
7746637	2012	Polibrid 700 A-E	Polibrid	AkzoNobel	AS4020 Approval in 2012	Coating



DoH REF / WC DOC NO	Year listed by DoH	PRODUCT	OTHER NAMES	COMPANY	APPROVAL TYPE	RESTRICTION OR COMMENT
F-AA-13607	2019	Polyeuro 1050H	-	Polycoat Products California	NSF/ANSI 61 Approval 2019	Polyurethane copolymer protective coating
9524089	2013	Polyeuro 5502F	-	Australian Urethane Systems	AS4020 Approval in 2008 - being retested	Coating
88-08090	1985	Polyglass "VE"	-	Corrocoat (Aust)	On file	Vinyl ester resin glass reinforced
2712 th2a	2012	Polyglass "VEF"	-	Corrocoat (Aust)	AS4020 Approval in 2004	Lining/coating material for tanks, pipes and pumps.
7596749	2012	Pozzolith 122Ri	-	BASF Construction Chemicals Australia	Group 1B Material - with non hazardous ingredients	Concrete Additive
E-AA-13-25496	2013	PSX 34 adhesive	Replaces Ameron RP-34C adhesive	NOV Fiber Glass Systems	NSF/ANSI 61 (confirmed 8/4/2019)	Epoxy adhesive
7427162	2012	PVC Heavy Duty Pipe Wrap Tape	Pipe Tape	Heatley Industrial and Safety	Group 1B material. PVC in stabilised form - long history of past use.	Securing submersible power cables to bore column
7515512	2012	Qenos PE HD2090	HD2090	AquaArmour	Group 1B material. High density polyethylene	Covering dams to reduce evaporation
10922313 F-AA-13607	2014	Quickspray Supreme W	QSP53120 / QSP 53110	EIC (Aust) Pty Ltd	AS4020 Approval by AWQC 07/05/2013	Coating
88-08090/38	1991	Radcon #7	-	Crommelin Chemicals (WA)	On file. Latest BS6920 Approval in 1998	Coating
10395852 F-AA-13607	2014	Radmix RAD19FF	SikaFiber Force PP48	Sika Australia	AS4020 Approval by AMS Laboratories 20/01/2014	Concrete Additive



DoH REF / WC DOC NO	Year listed by DoH	PRODUCT	OTHER NAMES	COMPANY	APPROVAL TYPE	RESTRICTION OR COMMENT
88-08090 F-AA-25346	1989	Ranex rust buster (Ranex rust converter)		Bondall Pty Ltd	On file	Pre-treatment of metallic surfaces
104024042	2020	Rapp-it Pipe Repair Bandage System	Rapp-it Pipe Repair Bandage with Steel Putty (RAP123)	Marine & Industrial Marketing, South Korea	AS 4020:2018 Approval 2020	Bandage and putty for temporary emergency pipe repairs.
92-08036 F-AA-25274	1997	Renderoc HB40 with Nitobond SBR primer	-	Parchem	On file. Latest AS4020 Approval in 2011	High performance medium-weight concrete reinstatement mortar.
92-08036 F-AA-25274	1997	Renderoc LA55	-	Parchem	On file. Latest AS4020 Approval in 2011	Single component free-flowing low alkali micro-concrete.
1c15 th1a	2011	Resicoat ® R4-ES	-	Akzo Nobel	On file	Internal coating in valves
98161023	2020	Resimac 203 Superflow	Resimetal 203 Superflow	Resimac Limited UK	AS 4020:2018 Approval 2019	Ceramic Repair Fluid
D-AA-18/7774	2018	Resinex KW-8	-	Tianjin Jacobi International	WRAS Approved Material 1411545	Ion exchange resin used in water softeners
9772660	2013	Rheobuild 561	-	BASF	On file	Concrete additive
7596593	2012	Rheobuild 1000 NT	-	BASF Construction Chemicals Australia	Group 1B Material - with non-hazardous ingredients	Concrete Additive
F-AA-13607/02	2016	RPC Permaglass	-	RPC Technologies	AS 4020 Approval 2016	Bore casing
7604554 / 7604583	2012	Scotchkote Urethane Coating 165 PW	-	Corrosion Protection Products 3M	BS6920 Approval	Coating



DoH REF / WC DOC NO	Year listed by DoH	PRODUCT	OTHER NAMES	COMPANY	APPROVAL TYPE	RESTRICTION OR COMMENT
EHB-03010	2011	Scubapox 1725	-	National Maintenance Products Pty Ltd	On file	Sealant for cracks in service tanks and reservoirs.
88-0890/48 7604466	2012	Sigmaguard CSF 575	Name change only from Sigmaguard CSF 75	Sigma Coatings	AS4020 Approval in 2009	Coating. Water containers to be flushed before use.
F-AA-13607/02	2016	Sikaflex Pro	-	Sika Australia	AS4020 Approval in 2002	Sealant
F-AA-13607/02	2016	Sikaflex 11-FC	-	Sika Australia	AS4020 Approval in 2002	Sealant
9524098	2013	Sikaflex Tank	-	Sika Australia	AS4020 Approval in 2001	Sealant
8909740	2013	Sikafloor 161	-	Sika Australia	AS 4020 Approval in 2011	Coating
89009744	2013	Sikalastic 150	-	Sika Australia	AS 4020 Approval in 2009	Coating
8946508	2013	Sikalastic 152	-	Sika Australia	AS 4020 Approval in 2013	Coating
8909755	2013	Sikalastic 841 ST	-	Sika Australia	AS4020 Approval in 2011	Coating
8946527	2013	Sikaplan WT4200 15C Felt 500 Light Blue	-	Sika Australia	AS 4020 Approval in 2010	Liner
8946513	2013	Sikaplan WT4200 15C Light Blue	-	Sika Australia	AS 4020 Approval in 2010	Liner
8946541	2013	Sikaplan WT4200 18H Light Blue	-	Sika Australia	AS 4020 Approval in 2010	Liner
9321536	2013	Silastic 732 Multipurpose (White, Clear and Black)	-	Dow Corning	NSF International listing July 2013	Sealant
F-AA-13607/02	2018	Stic-O-Steel Pow-R Putty	-		NSF Approval	Epoxy putty for pipe repair



DoH REF / WC DOC NO	Year listed by DoH	PRODUCT	OTHER NAMES	COMPANY	APPROVAL TYPE	RESTRICTION OR COMMENT
9976316	2013	STOPAQ 2100 Aquastop	-	Anti Corrosion Technology	NSF Approval 2011	Pipe Wrapping
9976316	2013	STOPAQ Wrapping Band CZH	-	Anti Corrosion Technology	NSF Approval 2011	Pipe Wrapping
F-AA-25238	1987 and 2012	Strataflo	-	Pentair Water and Environmental Systems	On file. Latest AS4020 Approval in 2012 for Duraflo same ABS pipe as Strataflo.	Bore casing, only. Formulation to remain same.
92-08036 F-AA-25278	1997	Supercast PVC	-	Parchem	AS4020 Approval in 1995	Waterstop
92-08036 F-AA-25278	1997	Supercast SW	-	Parchem	AS4020 Approval in 1995	Waterstop
F-AA-13607	2010	Tampur 150	Tam 150	Tam International Australia Pty Ltd	On file	Waterstop / Crack injection
7604351	2012	Tankguard 412	-	Jotun Australia	AS4020 Approval in 2006	Coating
F-AA-25320	2013	Tapping Bands 4N	Replaces Nylon Tapping Bands	Stockbrands Co Pty Ltd	AS4020 Approval in 2009	In-line/pipe fitting for potable water
6778829	2012	Titanex H07RN-F	Titanex submersible cable	Olex	AS4020 Approval in 2012	Connecting power from surface to bore pump motor
90738184	2019	Tnemec Series 141 EPOXOLINE Epoxy	-	Tnemec Company Inc USA	NSF 61 Approval	Modified Polyamine Epoxy – valve coating
9187604	2013	Tube Plate (Naval Brass) QLKE-160-070-4-1-4-23-3-2-00	-	ABB Industrial Systems Pty Ltd, Luvata, Sweden	AS4020 Approval in 2013	Material of motor cooler manifold at SSDP
88-08090 F-AA-25347	1986	Tufseal 35E	-	Calmarc Chemicals	On file	Coating
2306 th1a	2012	Vandex BB75-Z	-	Parchem Construction Supplies Pty	On file	Water Proofing reservoir walls



DoH REF / WC DOC NO	Year listed by DoH	PRODUCT	OTHER NAMES	COMPANY	APPROVAL TYPE	RESTRICTION OR COMMENT
2306 th1a	2012	Vandex Plug	-	Parchem Construction Supplies Pty	On file	Plugging areas of leakage on reservoir walls
EHB-01339	2010	VESPEL CR-6100	-	DuPont De Nemours Int.	On file	Wear resistance bearing material
7596930	2012	Wattyl Epinamel TL710	-	Wattyl Australia	AS4020 Approval in 2009	Coating
7598416 / 7598486	2012	Wattyl Epinamel TL770SF	-	Wattyl Australia	AS4020 Approval in 2009	Coating
F-AA-13607/02	2017	WR-300 Standard Wear Material	-	Greene, Tweed & Co	BS 6920 Approval	Thermoplastic/ PEEK composite
F-AA-13607/02	2017	WR-525 High Temperature Material	-	Greene, Tweed & Co	BS 6920 Approval	Thermoplastic/ PEEK composite
F-AA-13607/02	2017	WR-575 Thrust Pads	-	Greene, Tweed & Co	BS 6920 Approval	Thermoplastic/ PEEK composite
7784039	2012	Xypex Admix C-1000NF	-	Concrete Waterproofing Manufacturing	AS4020 Approval in 2012	Concrete additive
7784011	2012	Xypex Admix C-5000	-	Concrete Waterproofing Manufacturing	AS4020 Approval in 2012	Concrete additive
7783992	2012	Xypex Concentrate	-	Concrete Waterproofing Manufacturing	AS4020 Approval in 2012	Coating
7784118	2012	Xypex Megamix I	-	Concrete Waterproofing Manufacturing	AS4020 Approval in 2012	Coating
7784027	2012	Xypex Megamix II	-	Concrete Waterproofing Manufacturing	AS4020 Approval in 2012	Mortar
7784102	2012	Xypex Modified	-	Concrete Waterproofing Manufacturing	AS4020 Approval in 2012	Coating
7784050	2012	Xypex Patch N Plug	-	Concrete Waterproofing Manufacturing	AS4020 Approval in 2012	Coating
EHB-03010	2011	Yokoham floating fender pneumatic	-	Yokohama	On file	Plug on scour pipes.



DoH REF / WC DOC NO	Year listed by DoH	PRODUCT	OTHER NAMES	COMPANY	APPROVAL TYPE	RESTRICTION OR COMMENT
EHB-01290	2009	ZAVLAR Liquid Rubber	-	Liquid Rubber Australia	On file	Internal coating for clear water tanks
9265761	2013	Zinga	-	Zinga Pty Ltd	AS4020 Approval in 2013	Coating

Notes

DoH Department of Health (Western Australia)
WC Water Corporation of Western Australia



Schedule 5(a) – Approved Materials

The following table lists materials and products that have been previously approved by the Department of Health but which are understood to be no longer manufactured.

DoH REF	Year Approved	PRODUCT	COMPANY	RESTRICTION OR COMMENT
00-06044	2000	AV 600M	Grace Construction Products	No longer manufactured
92-08036/4	1993	Bostik 2638 Gun-grade polyurethane sealant	Bostik (Australia) Pty Ltd	No longer manufactured
86-00940	1986	Colturiet EHB	Wattyl-Sigma Coatings Wattyl-Sigma Coatings	No longer manufactured
86-00940	1986	Colturiet GPL	Wattyl-Sigma Coatings Wattyl-Sigma Coatings	No longer manufactured
88-08090/2	1985	Dulux Epoxy Bildcote	Dulux Australia	No longer manufactured
88-08090/17	1989	Dulux Ferrodor EPX Epoxy Paint	Dulux Australia	No longer manufactured
00-06044	2000	GPR	Grace Construction Products	No longer manufactured
88-08090/50	1992	Gruvlock Compound EP10059	Grinnell Supply Sales	No longer manufactured
88-08090	1985	Hot Water Resistant Epoxy	Taubmans Pty Ltd	No longer manufactured
88-08090/5	1988	Krystol	Crommelin Chemicals (WA)	No longer manufactured
88-08090	1986	Pliseal AC	Calmarc Chemicals	No longer manufactured
88-08090	1986	Pliseal S B	Calmarc Chemicals	No longer manufactured
88-08090	1989	Ranex rust converter	Landra Nominees Pty Ltd	Name change to Ranex rust buster
92-08036	1997	Renderroc S	Fosroc Expandite NSW	No longer manufactured
88-08090	1989	Revenge rust converter	Landra Nominees Pty Ltd	No longer manufactured
88-08090/48	1991	Sigmaguard CSF 75	Wattyl (Qld)	Name change to Sigmaguard CSF 575



DoH REF	Year Approved	PRODUCT	COMPANY	RESTRICTION OR COMMENT
88-08090	1985	Taubmans Clear Silicone Epoxy	Taubmans	No longer manufactured
88-08090	1985	Taubmans HiBuild Epoxy (Series 70)	Taubmans P/L	No longer manufactured
90-08163	1992	Tubemakers rubber ring joint lubricant No 2	Tubemakers Pty Ltd	No longer manufactured
88-08090	1986	Tufcote: Flexiglas (with Tufcote)	Calmarc Chemicals	No longer manufactured
88-08090	1986	Tufseal 24S Flexiglas (with Attaflex)	Calmarc Chemicals	No longer manufactured
88-08090/49	1992	Vinidex jointing lubricant	Vinidex	Replaced by Bactericidal Polydex Lubricant
88-08090/10	1988	Nylon tapping bands	Stockbrands Company Pty Ltd	Replaced by Tapping bands 4N

Notes

DoH Department of Health (Western Australia)



Schedule 6 – Materials Assessed – Approved Subject To Condition

Schedule 6 lists products that are used during bore construction or maintenance, and have been approved subject to the condition that they are removed before drinking water is produced.

Products must be used in accordance with the manufacturer's recommendations.

DoH REF	Year Assessed	PRODUCT	COMPANY	RESTRICTION OR COMMENT
F-AA-13607/02	2017	AMC Aus-Det Xtra	Australian Mud Company Pty Ltd	To be removed from final production water.
04-06089	2004	AMC Aus-Gel Xtra	Australian Mud Company Pty Ltd	To be removed from final production water.
F-AA-13607/02	2019	AMC Bio Hammer Oil	AMC Drilling Fluids and Products	To be removed from final production water.
F-AA-13607/02	2019	AMC Bio-Vis Xtra	Australian Mud Company Pty Ltd	To be removed from final production water.
F-AA-13607/02	2020	AMC EZEE PAC L	IMDEX	To be removed from final production water.
F-AA-13607/02	2020	AMC EZEE PAC R	IMDEX	To be removed from final production water.
F-AA-13607/02	2017	AMC Liqui Spense	Australian Mud Company Pty Ltd	To be removed from final production water.
F-AA-13607/02	2017	AMC Magma Fiber	Australian Mud Company Pty Ltd	To be removed from final production water.
04-06089	2004	AMC Aus-Det	Australian Mud Company Pty Ltd	To be removed from final production water.
04-06089	2004	AMC Aus-Dex	Australian Mud Company Pty Ltd	To be removed from final production water.
04-06089	2004	AMC Bio-Vis <i>(discontinued 2019)</i>	Australian Mud Company Pty Ltd	To be removed from final production water.
F-AA-13607/02	2017	AMC Bore Seal	Australian Mud Company Pty Ltd	To be removed from final production water.
F-AA-13607/02	2019	AMC Ezee Bore	AMC Drilling Fluids and Products	To be removed from final production water.
F-AA-13607/02	2017	AMC Guar Gum	Australian Mud Company Pty Ltd	To be removed from final production water.



DoH REF	Year Assessed	PRODUCT	COMPANY	RESTRICTION OR COMMENT
F-AA-13607/02	2017	AMC Potassium Chloride	Australian Mud Company Pty Ltd	To be removed from final production water.
F-AA-13607/02	2017	AMC Shale Hib Ultra E	Australian Mud Company Pty Ltd	To be removed from final production water.
F-AA-13607/02	2019	AMC Super Lube	Australian Mud Company Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Barite (Barium sulphate, Barytes, DFA Barite)	Mud Logic WA Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Bentonite Pellets (1/4" Coated, Coated Bentonite Pellets, Hydration Retarded Bentonite Pellets)	Mud Logic WA Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Bio Gum Ultra (Cyamopsis Gum, Guar Flour, Guaran, Gum Cyamopsis)	Mud Logic WA Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Bio Hammer Oil (Hammer Oil)	Mud Logic WA Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Biocide (ADF Biocide)	Mud Logic WA Pty Ltd	To be removed from final production water.
04-06133	2004	Ciba Alcomer 72L	ADG Technology Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Clay Control	Mud Logic WA Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Drill Det Ultra	Mud Logic WA Pty Ltd	To be removed from final production water.
EHB-01281	2009	DRILPLEX HDD	M-I Swaco Pty Australia	To be removed from final production water.
F-AA-13607/02	2018	Envirobore	Triple7	To be removed from final production water.
EHB-01281	2009	FLO-PLEX	M-I Swaco Pty Australia	To be removed from final production water.



DoH REF	Year Assessed	PRODUCT	COMPANY	RESTRICTION OR COMMENT
F-AA-13607	2019	Gel 100 (API Bentonite, Gel-100)	Mud Logic WA Pty Ltd	To be removed from final production water.
D-AA-16/27174	2016	Gel Extra	Mud Logic Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Gel Extra (ADF Gel Extra)	Mud Logic WA Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Gel Ultra	Mud Logic WA Pty Ltd	To be removed from final production water.
04-06133	2004	Hibitrol HV	ADG Technology Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Hy-Seal (ADF Hy-Seal)	Mud Logic WA Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Kwik Seal (Kwik-Seal, Kwik Seal Coarse, Kwik Seal Medium, Kwik Seal Fine)	Mud Logic WA Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Liquid Sperse (ADF Liquid Sperse)	Mud Logic WA Pty Ltd	To be removed from final production water.
04-06089	2004	Liqui-Pol	Australian Mud Company Pty Ltd	To be removed from final production water.
2111 th1a	2012	Matex 1560 XS FOAM	Airdrill Pty Ltd	To be removed from final production water.
2111 th1a	2012	Matex BIT-COOL	Airdrill Pty Ltd	To be removed from final production water.
2111 th1a	2012	Matex DD XPAND	Airdrill Pty Ltd	To be removed from final production water.
2111 th1a	2012	Matex DD2000	Airdrill Pty Ltd	To be removed from final production water.
2111 th1a	2012	Matex DD605L	Airdrill Pty Ltd	To be removed from final production water.
2111 th1a	2012	Matex DD955	Airdrill Pty Ltd	To be removed from final production water.



DoH REF	Year Assessed	PRODUCT	COMPANY	RESTRICTION OR COMMENT
2111 th1a	2012	Matex E.S. Thread Compound	Airdrill Pty Ltd	To be removed from final production water.
2111 th1a	2012	Matex FORM A CORE	Airdrill Pty Ltd	To be removed from final production water.
2111 th1a	2012	Matex HOLE CONTROL	Airdrill Pty Ltd	To be removed from final production water.
2111 th1a	2012	Matex RDO302ES	Airdrill Pty Ltd	To be removed from final production water.
2111 th1a	2012	Matex SALT VIS P	Airdrill Pty Ltd	To be removed from final production water.
2111 th1a	2012	Matex SALT-VIS	Airdrill Pty Ltd	To be removed from final production water.
2111 th1a	2012	Matex SAND DRILL	Airdrill Pty Ltd	To be removed from final production water.
2111 th1a	2012	Matex TORQUELESS	Airdrill Pty Ltd	To be removed from final production water.
2111 th1a	2012	Matex ULTRAVIS	Airdrill Pty Ltd	To be removed from final production water.
2111 th1a	2012	Matex VIBRA STOP	Airdrill Pty Ltd	To be removed from final production water.
EHB-01281	2009	MAX GEL	M-I Swaco Pty Australia	To be removed from final production water.
04-06133	2004	Max Gel Poly pac – All grades	ADG Technology Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Mud Free (ADF Break Down)	Mud Logic WA Pty Ltd	To be removed from final production water.
D-AA-27176	2016	PAC L	Mud Logic Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Pac L Ultra	Mud Logic WA Pty Ltd	To be removed from final production water.
D-AA-16/27175	2016	PAC R	Mud Logic Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Pac R Ultra	Mud Logic WA Pty Ltd	To be removed from final production water.



DoH REF	Year Assessed	PRODUCT	COMPANY	RESTRICTION OR COMMENT
04-06133	2004	Poly-Plus (Liquid)	ADG Technology Pty Ltd	To be removed from final production water.
04-06133	2004	Poly-Plus Dry	ADG Technology Pty Ltd	To be removed from final production water.
EHB-01281	2009	POLYSWELL	M-I Swaco Pty Australia	To be removed from final production water.
04-06133	2004	Potassium chloride	ADG Technology Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Potassium Chloride	Mud Logic WA Pty Ltd	To be removed from final production water.
04-06133	2004	Potassium hydroxide	ADG Technology Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Rig Wash Ultra (Rig Wash)	Mud Logic WA Pty Ltd	To be removed from final production water.
EHB-01281	2009	RINGFREE	M-I Swaco Pty Australia	To be removed from final production water.
EHB-01281	2009	ROD EASE	M-I Swaco Pty Australia	To be removed from final production water.
04-06133	2004	SAPP (Sodium acid pyrophosphate)	ADG Technology Pty Ltd	To be removed from final production water.
D-AA-15/250809	2015	Super Gel-X	CETCO	To be removed from final production water.
F-AA-13607	2019	Swell Hib (Hib Swell)	Mud Logic WA Pty Ltd	To be removed from final production water.
D-AA-16/27172	2016	Terge	Mud Logic Pty Ltd	To be removed from final production water.
D-AA-16/27173	2016	VIS LV	Mud Logic Pty Ltd	To be removed from final production water.
04-06089	2004	Well-Clean	Australian Mud Company Pty Ltd	To be removed from final production water.
F-AA-13607	2019	Xan Vis	Mud Logic WA Pty Ltd	To be removed from final production water.
04-06089	2004	Xan-Bore	Australian Mud Company Pty Ltd	To be removed from final production water.



DoH REF	Year Assessed	PRODUCT	COMPANY	RESTRICTION OR COMMENT
F-AA-13607	2019	ZN-50 (ZN 50)	Mud Logic WA Pty Ltd	To be removed from final production water.

Notes

DoH Department of Health (Western Australia)



Schedule 7 – Chemicals Approved for Addition to Drinking Water

Schedule 7 lists chemicals either accepted or approved by the Department of Health for addition to drinking water in Western Australia.

Chapter 8 of the “*Australian Drinking Water Guidelines*” provides further guidance about quality assurance, monitoring and analytical advice and assessing levels of contaminants in chemicals used for drinking water treatment.

Chemicals and products approved for use to maintain water treatment and distribution systems are listed in [Schedule 8](#).

Materials approved for use in contact with drinking water are listed in [Schedule 5](#).

CHEMICAL	FORMULA	REFERENCE	RESTRICTION OR COMMENT
Adsorbisia As600 Media (previously Adsorbisia GTO), now MetSorb HMRG	TiO ₂ (typically 89%)	DoH F-AA-13607/02	Arsenic monitoring shall be conducted in the reticulated supply as a key characteristic, until the lifespan of the product is determined.
Aluminum chlorohydrates	AlCl(OH) ₅	NHMRC 2005	Coagulation
Aluminum sulphate (alum)	Al ₂ (SO ₄) ₃	NHMRC 1983 AWWA B403	Coagulation
Ammonia (ammonium hydroxide)	NH ₃ (aq)	NHMRC 1983	Generation of chloramines for disinfection
Ammonium sulphate	(NH ₄) ₂ SO ₄	NHMRC 1983 AWWA B302	Generation of chloramines for disinfection
Calcite (Barossa Quarries Pty Ltd)	CaCO ₃	DoH F-AA-13607 NSF Approved	In accordance with RMIC requirements of Chapter 8 of ADWG.
Calcium carbonate (Filtracarb 2-4 DA)	CaCO ₃	DoH F-AA-13607 NSF Approved	Dosing rate not to exceed 450 mg/L.
Calcium carbonate (Redgate Lime)	CaCO ₃	DoH 06-06032	In accordance with RMIC requirements of Chapter 8 of ADWG.
Calcium carbonate (Imerys, Rotech Services)	CaCO ₃	DoH F-AA-13607, NSF Approved	In accordance with RMIC requirements of Chapter 8 of ADWG.
Calcium chloride	CaCl ₂	DoH 04-06352	Max rate 100 mg/L Food grade (99%) (Contaminants <5 ppm Pb and <3 ppm As)
Calcium hydroxide	Ca(OH) ₂	NHMRC 1983 AWWA B202	



CHEMICAL	FORMULA	REFERENCE	RESTRICTION OR COMMENT
Calcium hypochlorite	Ca(OCl) ₂	NHMRC 1983 AWWA B300	Disinfection
Calcium oxide	CaO	NHMRC 1983 AWWA B202	
Calgon T	Sodium hexa- metaphosphate	AWWA B502	
Carbon dioxide (99.9% purity v/v)	CO ₂	DoH F-AA-13607	Use in accordance with the manufacturer's instructions.
Carbon, granulated activated (GAC)	C	NHMRC 1983 AWWA B604	Adsorption
Carbon, powdered activated (PAC)	C	NHMRC 1983 AWWA B600	Adsorption
CAT-FLOC 8103 PLUS (pDADMACs)	-	NSF/ANSI Standard 60	Coagulation and flocculant aid. Dosing rate not to exceed 57 mg/L.
Chlorine	Cl ₂	NHMRC 1983 AWWA B301	Disinfectant
Chlorine dioxide	ClO ₂	NHMRC 2005	
CleanOxide 75 Part A (P) and B (Chlorine dioxide)	-	DoH 2712th1a	
Copper sulphate	CuSO ₄ .5H ₂ O	NHMRC 1983 AWWA B602	Algicide
Ferric chloride	FeCl ₃ .6H ₂ O	NHMRC 1983 AWWA B407	Coagulant
Ferric sulphate	Fe ₂ (SO ₄) ₃	NHMRC 1983 (95th Session, p.27) AWWA B406	Coagulant
GO2 Component A and B (Chlorine dioxide)	-	DoH 1707th1a	
Granular Activated Alumina (DD – 6)	Al ₂ O ₃	NSF/ANSI Standard 61	
GMA Garnet	Fe ₃ Al ₂ (SiO ₄) ₃	DoH EHB-1085	In accordance with RMIC requirements of Chapter 8 of ADWG. Not approved for use by individual (home) consumers.
Hydrex 4715 (Sodium metabisulfite)	Na ₂ S ₂ O ₅	0a05th1a	In accordance with RMIC requirements of Chapter 8 of ADWG.
Hydrochloric acid	HCl	NHMRC 2005	



CHEMICAL	FORMULA	REFERENCE	RESTRICTION OR COMMENT
Hydrofluorosilicic acid (Fluorosilicic acid)	H ₂ SiF ₆	NHMRC 1983 AWWA B703	In accordance with RMIC requirements of Chapter 8 of ADWG.
Hydrogen peroxide	H ₂ O ₂	NHMRC 1983	Disinfection
Hydroxylated ferric sulphate	-	NHMRC 2005	Coagulant
Polyacrylamide	(C ₃ H ₅ NO) _n	NHMRC 1977 AWWA B453	
Nalclear 8170 PULV (Polyacrylamide)	-	NSF/ANSI Standard 60	Coagulation and flocculant aid. Dosing rate not to exceed 1 mg/L.
Nalclear 8173 PULV (Polyacrylamide)	-	NSF/ANSI Standard 60	Coagulation and flocculant aid. Dosing rate not to exceed 1 mg/L.
Nalclear 8181 (Polyacrylamide)	-	NSF/ANSI Standard 60	Coagulation and flocculant aid. Dosing rate not to exceed 1 mg/L.
Nalclear 8182 (Polyacrylamide)	-	NSF/ANSI Standard 60	Coagulation and flocculant aid. Dosing rate not to exceed 1 mg/L.
Nalco 7396 (Tetrapotassium pyrophosphate)	-	NSF/ANSI Standard 60	Dosing rate not to exceed 29 mg/L.
Nalco 3265 (pDADMACs)	-	NSF/ANSI Standard 60	Coagulation and flocculant aid. Dosing rate not to exceed 40 mg/L.
Nalco 9597 (pDADMACs)	-	NSF/ANSI Standard 60	Coagulation and flocculant aid. Dosing rate not to exceed 24 mg/L.
Nalcolyte 8105 (Polyamines)	-	NSF/ANSI Standard 60	Dosing rate not to exceed 20 mg/L.
Optimer 8110 PULV (Polyacrylamide)	-	NSF/ANSI Standard 60	Coagulation and flocculant aid. Dosing rate not to exceed 1 mg/L.
Ozone	O ₃	NHMRC 2005 AWWA F120	
Polyacrylamides and acrylic acid polymers and copolymers	(CH ₂ CHCONH ₂) ₈ and (CH ₂ CHCOOH) ₈	NHMRC 1977, 1979 (84 th Session p.22 and 88 th Session, p.21)	
Polyaluminium chloride	Al ₈ (OH) ₁₀ SO ₄ Cl ₁ 2	NHMRC 1979 (88 th Session, pp.17-18) AWWA B408	
Poly aluminium silica sulphates	Na ₁₂ (AlO ₂) (SiO ₂) ₁₂ .xH ₂ O	NHMRC 2005	
Polydiallyldimethyl ammoniumchlorides (polyDADMACs)	-	NHMRC 1982 (93rd Session, pp.19-20)	



CHEMICAL	FORMULA	REFERENCE	RESTRICTION OR COMMENT
Potassium permanganate	KMnO ₄	NHMRC 1983 AWWA B603	
Quantum Filtration DMI 65	-	DoH 06-06480	Iron and manganese removal. Chapter 8, ADWG conditions apply.
Sodium aluminate	NaAlO ₂	NHMRC 1983 AWWA B405	
Sodium bicarbonate	NaHCO ₃	NHMRC 1983	
Sodium carbonate	Na ₂ CO ₃	NHMRC 1983 AWWA B201	
Sodium chloride	NaCl	F-AA-64617 AWWA B200	Contact DoH for conditions relating to bromide levels when used in on-site chlorine generation.
Sodium fluoride	NaF	NHMRC 1983 AWWA B701	In accordance with RMIC requirements of Chapter 8 of ADWG.
Sodium fluorosilicate (sodium silicofluoride)	Na ₂ SiF ₆	NHMRC 1983 AWWA B702	In accordance with RMIC requirements of Chapter 8 of ADWG.
Sodium hexametaphosphate	(NaPO ₃) ₆	NHMRC 1983 AWWA B502	
Sodium hydroxide	NaOH	NHMRC 1983 AWWA B501	
Sodium hypochlorite	NaOCl	NHMRC 1983 AWWA B300	
Sodium metabisulphite	Na ₂ S ₂ O ₅	DoH 06-06237 AWWA B601	In accordance with RMIC requirements of Chapter 8 of ADWG.
Sodium silicate	Na ₂ O.xSiO ₂ (x = 3-5)	NHMRC 1983 AWWA B404	
Sodium tripolyphosphate	Na ₅ P ₃ O ₁₀	NHMRC 2005	Corrosion control Softening
Sulphuric acid	H ₂ SO ₄	NHMRC 1983	pH correction
Tanamet crystals	-	DoH 07-06010	In accordance with RMIC requirements of Chapter 8 of ADWG. Not approved for use by individual (home) consumers.
Ultrion 8188 (Polyaluminium chloride)	-	NSF/ANSI 60	Coagulation and flocculant aid. Dosing rate not to exceed 180 mg/L.
Ultrion 8588 (Aluminium chlorohydrates, polyDADMACs)	-	NHMRC 1979 (88 th Session p17-18)	Coagulation and flocculant aid. In accordance with manufacturer's recommendations.



CHEMICAL	FORMULA	REFERENCE	RESTRICTION OR COMMENT
Ultrion 44560 (Polyamine)	-	NSF/ANSI Standard 60	Coagulation and flocculant aid. Dosing rate not to exceed 84 mg/L.
Ultrion 44697 (Polyamine)	-	NSF/ANSI Standard 60	Coagulation and flocculant aid. Dosing rate not to exceed 84 mg/L.
Zeolite ANZ38		DoH 15/249004	Contact DoH for information
Zinc orthophosphate	Zn ₃ (PO ₄) ₂	NHMRC 1987 (104 th Session p32)	Corrosion control

Notes

ADWG	“Australian Drinking Water Guidelines”
AWWA	American Water Works Association Standards
DoH	Department of Health (Western Australia)
NHMRC	National Health and Medical Research Council (Australia)
NSF / ANSI	NSF International / American National Standards Institute
RMIC	Recommended Maximum Impurity Concentration
mg/L	milligrams per litre

Magnetite (Fe₃O₄) and sodium alginate are no longer listed in Schedule 7.



Schedule 8 – Chemicals and Products used to Maintain Water Treatment and Distribution Systems

Schedule 8 lists chemicals and products used to maintain water treatment and distribution systems that have been approved by the Department of Health.

Water treatment chemicals approved for use are listed in [Schedule 7](#).

Materials approved for use in contact with drinking water are listed in [Schedule 5](#).

Products must be used in accordance with the manufacturer's recommendations.

DoH REF	Year Approved	PRODUCT	COMPANY	RESTRICTION OR COMMENT
88-08090/07	1990	ALBA Bore Treatment Antibacterial	Chem Chemicals and Malcolm Thompson Pumps	Flush bore for 30 minutes after application
9772655	2013	AMC Clay Doctor	AMC	Drilling Fluid. Used Offline - must be used in accordance with manufacturer's instructions.
9378501	2013	AMC Star Seal	AMC	Hole stabilising additive used for air drilling. Used offline - must be used in accordance with manufacturer's instructions. Must be followed by a Pump Test or flushed for a minimum of two hours.
DoH 0a045a	2010	Aquamax RO608	GE Betz Pty Ltd	Antiscalant in RO systems. Dosing rate not to exceed 10 mg/L.
15/249004	2015	Ascorbic acid	Chem-Supply Pty Ltd.	Used offline - membranes to be isolated prior to treatment and flushed prior to returning to service.
F-AA-13608/02	2017	AvistaClean MF 1000	Avista Technologies	Product must be dosed offline and thoroughly flushed prior to drinking water production.
F-AA-13608/02	2017	AvistaClean MF 3000	Avista Technologies	Product must be dosed offline and thoroughly flushed prior to drinking water production.
2215 th1a	2012	AWC A-102 Plus	AS Harrison & Co Pty Ltd	Antiscalant in RO systems. Dosing rate not to exceed 10 mg/L.
F-AA-13608/02	2017	AWC A-102 ULTRA	AS Harrison & Co Pty Ltd	Antiscalant in RO systems. Dosing rate not to exceed 10 mg/L.
2215 th2a	2012	AWC A-103	AS Harrison & Co Pty Ltd	Antiscalant in RO systems. Dosing rate not to exceed 10 mg/L.



DoH REF	Year Approved	PRODUCT	COMPANY	RESTRICTION OR COMMENT
F-AA-13607	2016	AWC A-108Fe	AS Harrison & Co Pty Ltd	Antiscalant in RO systems. Dosing rate not to exceed 10 mg/L.
2215 th3a	2012	AWC A-109	AS Harrison & Co Pty Ltd	Antiscalant in RO systems. Dosing rate not to exceed 10 mg/L.
2215 th4a	2012	AWC C-205	AS Harrison & Co Pty Ltd	Membrane cleaner. Contact DoH for conditions of approval.
2215 th5a	2012	AWC C-236	AS Harrison & Co Pty Ltd	Membrane cleaner. Contact DoH for conditions of approval.
1610 th1a	2011	Belgard EV2050	BWA Water Additives	Antiscalant in desalination plants. Dosing rate to not exceed 8 mg/L.
F-AA-13607/02	2017	Belite AF10	BWA Water Additives	Defoamer in seawater distillation plant. Dosing rate not to exceed 0.15 mg/L in feed stream.
1613 th1a	2011	Belite M8	BWA Water Additives	Defoamer in seawater distillation plant. Dosing rate not to exceed 0.1 mg/L in feed stream.
EHB-00870	2008	Bio D-Scaler	Bio Green Chemicals Pty Ltd	Treated equipment to be flushed until water is clear.
F-AA-13607	2019	BK Lubricant (BK Standard Lubricant)	Thomas Grozier and Son Pty Ltd	Pipework to be flushed to remove product prior to use. Product is approved for use to a maximum water temperature of 60°C.
EHB-000092517 th1a	2008 2012	BluBac Xtra	Clearbore Pty Ltd	Flush equipment with at least 5 times the total treated volume with untreated water, or until pH is within 0.5 pH units of the original untreated water.
F-AA-13607/02	2018	BluBac Gold	Waterwell Solutions	Flush equipment with at least 5 times the total treated volume with untreated water, or until pH is within 0.5 pH units of the original untreated water.
92-08036/06	1993	Boreclean	Boretch, Qld	Rehabilitation of water bores. Product to be diluted to 10% and flush bore for 30 minutes before use.
92-08036/07	1993	Boreclean forte	Carela Australia Pty Ltd	Rehabilitation of water bores. Product to be diluted to 10% and flush bore for 30 minutes before use.



DoH REF	Year Approved	PRODUCT	COMPANY	RESTRICTION OR COMMENT
7660813	2012	BoreSaver MULTIKLEEN	Aquabiotics Industrial Pty Ltd	Bore pipe and pump cleaner. Used offline - must be flushed for 30 minutes or until background pH is re-established, whichever is the longest.
01-06614 F-AA-13607	2001	Boresaver Ultra C Pro	Aquabiotics Pty Ltd	Residual levels of copper and oxalate must comply with drinking water guidelines.
F-AA-13607/02	2018	Boric acid	ChemSupply	Membrane cleaner, offline use only. Residual level of boron must be measured before drinking water is produced.
2117 th1a	2012	Calstat RO-30	WAT Australia Pty Ltd	Antiscalant in RO systems. Dosing rate not to exceed 10 mg/L.
88-08090/32	1990	Carrela-Bio-Plus Carrel a-Bio-Plus-Forte	George Roberts and Associates	Application for bore treatment and water tanks (cleaning, disinfection) Flush bore for 30 minutes after treatment.
EHB-00102	2007	Citric Acid	Redox Chemicals	To clean ultra filtration membranes. Isolate membranes from drinking water stream. Soak in water for 30 minutes prior to return to service.
06-06331	2006	Clearbore	Clearbore Pty Ltd	Post treatment flushing and testing required.
2104 th1a	2012	Copper Citrate	Consolidated Chemical Company	Contact DoH for conditions of approval.
07-06281	2007	DBNPA 2,2-dibromo-3-nitrilopropionamide	DOW Chemicals	To remove membrane biofouling. Operational conditions apply.
F-AA-25429	2013	Dequest SPE 0108	IMCD Australia Ltd	Antiscalant in RO systems. Dosing rate not to exceed 10 mg/L.
F-AA-25429	2013	Dequest SPE 0111	IMCD Australia Ltd	Antiscalant in RO systems. Dosing rate not to exceed 17 mg/L.
F-AA-13607-02	2018	EnviroScale	Triple7	Contact DoH for conditions of approval.
85-01121/6	1986	Fertan Rust Converter	Fertan Australia NZ	Rust treatment only.
1610 th1a	2011	Floclean MC11	BWA Water Additives	RO membrane cleaner. Contact DoH for conditions of approval.
1610 th1a	2011	Floclean MC3	BWA Water Additives	RO membrane cleaner. Contact DoH for conditions of approval.



DoH REF	Year Approved	PRODUCT	COMPANY	RESTRICTION OR COMMENT
1610th2a	2011	Flocon 135	BWA Water Additives	Antiscalant in RO systems. Dosing rate not to exceed 10 mg/L.
1610th3a	2011	Flocon 190	BWA Water Additives	Antiscalant in RO systems. Dosing rate not to exceed 10 mg/L.
1610th4a	2011	Flocon 260	BWA Water Additives	Antiscalant in RO systems. Dosing rate not to exceed 5 mg/L.
1610th5a	2011	Flocon 285	BWA Water Additives	Antiscalant in RO systems. Dosing rate not to exceed 9 mg/L.
1610th6a	2011	Flocon Plus N	BWA Water Additives	Antiscalant in RO systems. Dosing rate not to exceed 10 mg/L.
F-AA-13607/02	2016	GuardION 801	Baker Hughes	Antiscalant in RO systems. Dosing rate not to exceed 10 mg/L.
EHB-00869	2008	Glycerol	Klen International	Membranes to be purged to waste before being used to supply drinking water.
0a18th2a	2010	Hydrex 4101	Veolia Water	Antiscalant in RO systems.
1811th1a	2010	Hydrex 4102	Veolia Water	Antiscalant in RO systems. Dosing rate not to exceed 17 mg/L.
1811th2a	2010	Hydrex 4129	Veolia Water	Antiscalant in RO systems. Dosing rate not to exceed 17 mg/L.
0a04th3a	2010	Hydrex 4701	Veolia Water	To clean filtration membranes. Contact DoH for information
0a04th4a	2010	Hydrex 4703	Veolia Water	To clean filtration membranes. Contact DoH for information
0a18th1a	2010	Hydrex 4705	Veolia Water	To clean filtration membranes. Contact DoH for information
0a18th1a	2010	Hydrex 4710	Veolia Water	To clean filtration membranes. Contact DoH for information
F-AA-27304	2014	Hydrex 4720	Veolia Water	Membrane cleaner. Contact DoH for information
0a04th7a	2010	Hypersperse MDC220	GE Betz Pty Ltd	Anti-scalant. Dosing rate not to exceed 10 mg/L.
0a04th6a	2010	Hypersperse MSI300	GE Betz Pty Ltd	Anti-scalant. Dosing rate not to exceed 10 mg/L.
D-AA-15/250808	2015	Hypersperse MDC120	GE Betz Pty Ltd	Antiscalant for RO membranes. Dosing rate not to exceed 10 mg/L.
D-AA-15/25810	2015	Hypersperse MDC700	GE Betz Pty Ltd	Antiscalant for RO membranes. Dosing rate not to exceed 10 mg/L.



DoH REF	Year Approved	PRODUCT	COMPANY	RESTRICTION OR COMMENT
2222th1a	2012	Hypersperse MDC704	GE Betz Pty Ltd	Antiscalant for RO membranes. Dosing rate not to exceed 10 mg/L.
EHB-01731	2009	Hypersperse MDC707	GE Betz Pty Ltd	Antiscalant for RO membranes. Dosing rate not to exceed 10 mg/L.
F-AA-13607-02	2017	Hypersperse MDC712	GE Betz Pty Ltd	Antiscalant for RO membranes. Dosing rate not to exceed 5 mg/L.
D-AA-15/250812	2015	Hypersperse MDC714	GE Betz Pty Ltd	Antiscalant for RO membranes. Dosing rate not to exceed 10 mg/L.
F-AA-13607-02	2017	Hypersperse MDC716	GE Betz Pty Ltd	Antiscalant for RO membranes. Dosing rate not to exceed 10 mg/L.
2222th1a	2012	Hypersperse MSI410	GE Betz Pty Ltd	Antiscalant for RO membranes. Dosing rate not to exceed 10 mg/L.
2109th1a	2012	Kleen MCT 103	GE Betz Pty Ltd	RO membrane cleaner. Contact DoH for conditions of approval.
2109th1a	2012	Kleen MCT 511	GE Betz Pty Ltd	RO membrane cleaner. Contact DoH for conditions of approval.
D-AA-15/250811	2015	Kleen MCT 515	GE Betz Pty Ltd	RO membrane cleaner. Contact DoH for conditions of approval.
D-AA-19/1430	2019	Kuriverter IK-110	Kurita Singapore	RO membrane cleaner. Dosing rate not to exceed 50 mg/L. Approval for product manufactured in Singapore only.
1c08th1a	2011	Manganese (II) Sulphate Monohydrate	Chem Supply Pty Ltd	Filter media conditioning. Contact DoH for conditions of approval
8343520	2013	Nalco PermaClean PC-11	Nalco	Disinfect and sanitise membrane plants. Must be used in accordance with manufacturer's instructions.
12506418	2015	Nu Well 100	Bilfinger Water Technologies	Bore cleaner. Used offline - must be flushed for 30 minutes or until background pH is re-established, whichever is the longest.
12506422	2015	Nu Well 110	Bilfinger Water Technologies	Bore cleaner. Used offline - must be flushed for 30 minutes or until background pH is re-established, whichever is the longest.
9772585	2013	Orange Aid	Natural Drilling Equipment	Lubricant and Sealant. Used Offline - must be used in accordance with manufacturer's instructions.



DoH REF	Year Approved	PRODUCT	COMPANY	RESTRICTION OR COMMENT
1928th1a	2011	Osmoclean CD	Osmoflo Pty Ltd	Contact DoH for conditions of approval.
1817th2a	2011	Osmoclean DW	Osmoflo Pty Ltd	Contact DoH for conditions of approval.
1817th1a	2011	OsmoDechlor	Osmoflo Pty Ltd	Contact DoH for conditions of approval.
151125gs1a	2015	Osmosan	Osmoflo Pty Ltd	Contact DoH for conditions of approval.
1a03th2a	2011	Osmotreat	Osmoflo Pty Ltd	Contact DoH for conditions of approval.
1a03th1a	2011	Osmotreat Si	Osmoflo Pty Ltd	Contact DoH for conditions of approval.
88-08090/44	1991	PALTEM	Balfour Beatty	Pipeline Auto Lining System
F-AA-34166	2015	PermaCare PC-504T	Nalco	Filtration membrane antifoulant. Dosing rate not to exceed 15 mg/L.
F-AA-34166	2015	PermaCare PC-510T	Nalco	Filtration membrane antiscalant. Dosing rate not to exceed 10 mg/L.
F-AA-34166	2015	PermaCare PC-1020T	Nalco	Filtration membrane antifoulant. Dosing rate not to exceed 26 mg/L.
F-AA-34166	2015	PermaCare POSM35T	Nalco	Antiscalant in RO systems. Dosing rate not to exceed 15 mg/L.
F-AA-34166	2015	PermaCare POSM352T	Nalco	Antiscalant in RO systems. Dosing rate not to exceed 15 mg/L.
F-AA-34166	2015	PermaClean PC-33	Nalco	Contact DoH for conditions of approval.
F-AA-34166	2015	PermaClean PC-40	Nalco	Contact DoH for conditions of approval.
F-AA-34166	2015	PermaClean PC-67	Nalco	Contact DoH for conditions of approval.
EHB-03010	2011	PermaClean PC 77	Nalco	Filtration membrane cleaner. Contact DoH for conditions of approval.
EHB-03010	2011	PermaClean PC 98	Nalco	Filtration membrane cleaner. Contact DoH for conditions of approval.
F-AA-13608/02	2018	Permaduo system PermaClean PC-22 PermaClean PC-80	Nalco	Control of biological membrane fouling. Contact DoH for conditions of approval.



DoH REF	Year Approved	PRODUCT	COMPANY	RESTRICTION OR COMMENT
F-AA-34166	2015	PermaTreat PC-191T	Nalco	Antiscalant in RO systems. Dosing rate not to exceed 15 mg/L.
F-AA-34166	2015	PermaTreat PC-391T	Nalco	Antiscalant in RO systems. Dosing rate not to exceed 15 mg/L.
D-AA-15/288265	2015	Phoslock	Phoslock Water Solutions	Limited source water reservoir application only, subject to specific conditions including monitoring for free lanthanum. Contact DoH for conditions of approval.
99-06524	2003	Quinplex White Oil (4010 H1)	Lubrication Engineers Australia	Artesian bore lubricant
9772660	2013	Rheobuild 561	BASF	Concrete Additive. Used Offline - must be used in accordance with manufacturer's instructions.
1b15th1a	2011	Rhodamine WT	Abbey Color	Tracer dye. Contact DoH for conditions of approval.
F-AA-13608/02	2017	RoClean L211	Avista Technologies	Product must be dosed offline and thoroughly flushed prior to drinking water production.
F-AA-13608/02	2017	RoClean L403	Avista Technologies	Product must be dosed offline and thoroughly flushed prior to drinking water production.
F-AA-13608/02	2017	RoClean P111	Avista Technologies	Product must be dosed offline and flushed with 5 volumes of water prior to drinking water production.
F-AA-13608/02	2017	RoClean P903	Avista Technologies	Product must be dosed offline and flushed with 5 volumes of water prior to drinking water production.
2103th1a	2012	Sodium Lauryl Sulphate	KLEN International (74) Pty Ltd	Membrane cleaner. Contact DoH for conditions of approval.
9856166	2013	Superfoam	AMC	Hole cleaning additive used for air drilling. Used Offline - must be used in accordance with manufacturer's instructions.
12506420	2015	Sulphamic acid	Challenge Chemicals Australia	Bore cleaner. Used offline - must be flushed for 30 minutes or until background pH is re-established, whichever is the longest.
F-AA-13607/02	2017	Vitec 1400	Avista	Antiscalant in RO systems. Dosing rate not to exceed 30 mg/L.



DoH REF	Year Approved	PRODUCT	COMPANY	RESTRICTION OR COMMENT
F-AA-13607/02	2017	Vitec 1500	Avista	Antiscalant in RO systems. Dosing rate not to exceed 9 mg/L.
F-AA-13607/02	2017	Vitec 4000	Avista	Antiscalant in RO systems. Dosing rate not to exceed 7 mg/L.
F-AA-13607/02	2017	Vitec 7000	Avista	Antiscalant in RO systems. Dosing rate not to exceed 7 mg/L.
12506422	2015	Well Clean	Pentair Southern Cross	Bore cleaner. Used offline - must be flushed for 30 minutes or until background pH is re-established, whichever is the longest.
9772638	2013	Well Guard	XTEX	Lubricant and Sealant. Used Offline - must be used in accordance with manufacturer's instructions.
88-08090/41	1992	Wellchem Claysperse – Downhole Dispersant	Challenge Chemicals Australia	Flush bore for 30 minutes
88-08090/41	1991	Wellchem Nu Antibac – Downhole Bacterial Acid	Challenge Chemicals Australia	Flush bore for 30 minutes
88-08090/41	1992	Wellchem Well Clean – Downhole Antibacterial Acid	Challenge Chemicals Australia	Flush bore for 30 minutes

Notes

ADWG “Australian Drinking Water Guidelines”
DoH Department of Health (Western Australia)
RO Reverse Osmosis
mg/L milligrams per litre



Schedule 8(a) – Chemicals and Products used to Maintain Water Treatment and Distribution Systems

The following table lists products that have been previously approved by the Department of Health but which are understood to be no longer manufactured.

DoH REF	Year Approved	PRODUCT	COMPANY	RESTRICTION OR COMMENT
88-08090/47	1991	Occtech D24	Occtech Corp. Pty Ltd O'Connor WA	No longer manufactured.
EHB-03010	2011	PermaClean PC 99	Nalco	No longer manufactured.
06-06355	2006	PermaTreat PC 191	Ondeo Nalco	No longer manufactured. Replaced by PermaTreat PC191T (refer Schedule 8).
06-06357	2006	PermaTreat PC 510	Ondeo Nalco	No longer manufactured. Replaced by PermaTreat PC510T (refer Schedule 8).
06-06356	2006	PermaTreat PC 1020	Ondeo Nalco	No longer manufactured. Replaced by PermaTreat PC1020T (refer Schedule 8).

Notes

DoH Department of Health (Western Australia)



Schedule 9 – Chemicals and Materials used in Drinking Water Catchment Areas

The following table lists chemicals and materials that have been assessed and approved by the Department of Health for use in drinking water catchment areas in Western Australia.

Products must be used in accordance with the manufacturer's recommendations.

DoH REF	Year Approved	PRODUCT	COMPANY	RESTRICTION OR COMMENT
EHB-02152	2009	Aquatain	Ultimate Products (Aust) Pty Ltd	Contact DoH for information
03-07168	2009	Road Master	Road Master Pty Ltd	Road base stabilization
04-06898	2006	PK-4 (surface stabilizer)	Eco Enzymes Australia	Only surfaces that are not subjected to continual immersion may be treated.
06-06330	2007	Polycom	Biocentral Laboratories	

Notes

DoH Department of Health (Western Australia)



Schedule 10 – Use of Fire Suppressants and Fire Retardants in Drinking Water Catchment Areas

The following table lists fire suppressants and fire retardants that are currently used in fire-fighting operations by the WA Department of Biodiversity, Conservation and Attractions, Parks and Wildlife Service Fire Management Services Branch.¹³

These products have not been formally assessed for approval by the Department of Health as they are used in emergency situations in localised applications. The Department of Health acknowledges that in emergency situations fire suppressants and fire retardants that are efficient treatments for bushfires are used as necessary.

PRODUCT	COMPANY
Phos-Chek WD881 Class A Foam	PC Australasia Pty Ltd
Phos-Chek MVP-F Powdered Fire Retardant	PC Australasia Pty Ltd

¹³ Further information about fire management is at: www.dpaw.wa.gov.au/management/fire



More information

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