Self-Regulatory Management of Japan Paint Manufacturers Association to comply with IMO's International Convention on the Control of Harmful Anti-fouling Systems on Ships, 2001

JPMA List of Registered Organotin-free / Cybutryne-free Anti-fouling Systems

(2021 amendment)

Name of Manufacturer: KANSAI PAINT MARINE CO., LTD.
3-12-1, Minamirokugo, Ota-ku, TOKYO

*Continuation process must be taken every 3 years for each system.
*Registered Sytems Listed in alphabetical Order.

70 products registered as of 2025/10/17

Reg.No.	Name of anti-fouling system	Colour(s)	Type of anti-fouling system	CAS No.	Chemical name (IUPAC)	Dates of: Registration / Expiry	Manufactured in
00121	AF FOR SEA CHEST	Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2004/03/18 2027/12/17	Japan ☑ Others ☐
01424	AF MX-2080	Light Brown, Brown	Self polishing hydrolysis type	13463-41-7	Zinc-2-pyridinethiol-1-oxide	2009/07/24 2027/06/21	Japan ☑ Others ☐
01720	AF MX-2121N	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2019/04/19 2027/12/17	Japan ☑ Others ☐
01843	AF MX-2150N	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2023/12/15 2026/12/14	Japan ☑ Others ☐
01867	A-F MX-2196N	Light Brown, Dark Brown	Self polishing hydrolysis type	122454-29-9 13463-41-7	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile Zinc-2-pyridinethiol-1-oxide	2024/12/17 2027/12/17	Japan ☑ Others ☐
01876	A-F MX-2263N	Light Brown, Dark Brown	Self polishing type	122454-29-9 13463-41-7	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile Zinc-2-pyridinethiol-1-oxide	2025/08/22 2028/08/21	Japan ☑ Others ☐
01877	A-F MX-2273N	Light Brown, Dark Brown	Self polishing type	122454-29-9 13463-41-7	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile Zinc-2-pyridinethiol-1-oxide	2025/08/22 2028/08/21	Japan ☑ Others ☐
01314	CLEAR EXION	Clear	Self polishing hydrolysis type	64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one	2008/12/15 2026/10/26	Japan ☑ Others ☐
00123	C-RUBAN A/F	Brown	Ablative type	1317-39-1	Cuprous oxide	2004/03/18 2027/12/17	Japan ☑ Others ☐
00128	C-RUBAN A/F for SUBMARINE	Brown	Ablative type	1317-39-1	Cuprous oxide	2004/03/18 2027/12/17	Japan ☑ Others ☐
00129	C-RUBAN B/T for SUBMARINE	Black	Ablative type	1317-39-1	Cuprous oxide	2004/03/18 2027/12/17	Japan ☑ Others ☐

[NOTE] Registered products are recognised to be compliant with IMO "International Convention on the Control of Harmful Anti-fouling Systems on Ships".
Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.
*Product name case is typed as on the application form.

This list was updated as of 2025/10/17

Self-Regulatory Management of Japan Paint Manufacturers Association to comply with IMO's International Convention on the Control of Harmful Anti-fouling Systems on Ships, 2001

JPMA List of Registered Organotin-free / Cybutryne-free Anti-fouling Systems

(2021 amendment)

Name of Manufacturer: KANSAI PAINT MARINE CO., LTD.

*Continuation process must be taken every 3 years for each system.
*Registered Sytems Listed in alphabetical Order.

Reg.No.	Name of anti-fouling system	Colour(s)	Type of anti-fouling system	CAS No.	Chemical name (IUPAC)	Dates of: Registration / Expiry	Manufactured in
01878	EVERCLEAN No.2000	Clear	Biocide-free silicone type			2025/08/22 2028/08/21	Japan ☑ Others ☐
00157	NEWPLADOL for SUBMARINE	Black	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2004/03/18 2027/12/17	Japan ☑ Others ☐
01865	SEA GLIDE 80	Light Brown, Dark Brown	Self polishing hydrolysis type	13463-41-7	Zinc-2-pyridinethiol-1-oxide	2024/12/17 2027/12/17	Japan ☑ Others ☐
01866	SEA GLIDE 96	Light Brown, Dark Brown	Self polishing hydrolysis type	122454-29-9 13463-41-7	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile Zinc-2-pyridinethiol-1-oxide	2024/12/17 2027/12/17	Japan ☑ Others ☐
01847	SEA MX-2000BT	White	Self polishing hydrolysis type	64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one	2024/02/16 2027/02/15	Japan ☑ Others ☐
01306	SHIN LLL No.100	Brown, Red, Dark Brown, Light Brown, Chocolat, Rouille, Blue, Brown K	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2008/12/15 2028/10/16	Japan ☑ Others ☐
01728	SHIN LLL PB2	Light Brown, Dark Brown	Self polishing hydrolysis type	12122-67-7 1317-39-1 14915-37-8	Zinc ethylenebis (dithiocarbamate) Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2019/10/18 2028/04/17	Japan ☑ Others ☐
01832	TAKARABUNE Type2	Red, Blue, Black, White, Green	Self polishing hydrolysis type	13463-41-7 64359-81-5	Zinc-2-pyridinethiol-1-oxide 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one	2023/02/17 2026/02/16	Japan ☑ Others ☐
01311	TAKATA A/F for SUBMARINE	Black	Ablative type	1317-39-1	Cuprous oxide	2008/12/15 2026/10/26	Japan ☑ Others ☐
01297	TAKATA QUANTUM	MOL Green, Luminous Blue, Blue	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2008/12/15 2026/10/26	Japan ☑ Others ☐
00401	TAKATA QUANTUM CLASSIC	Light Brown, Dark Brown, Dark Red, Light Red, Blue	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2004/12/22 2028/10/16	Japan ☑ Others ☐

[NOTE] Registered products are recognised to be compliant with IMO "International Convention on the Control of Harmful Anti-fouling Systems on Ships".
Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.
*Product name case is typed as on the application form.

This list was updated as of 2025/10/17

Self-Regulatory Management of Japan Paint Manufacturers Association to comply with IMO's International Convention on the Control of Harmful Anti-fouling Systems on Ships, 2001

JPMA List of Registered Organotin-free / Cybutryne-free Anti-fouling Systems

(2021 amendment)

Name of Manufacturer: KANSAI PAINT MARINE CO., LTD.

*Continuation process must be taken every 3 years for each system.
*Registered Sytems Listed in alphabetical Order.

Reg.No.	Name of anti-fouling system	Colour(s)	Type of anti-fouling system	CAS No.	Chemical name (IUPAC)	Dates of: Registration / Expiry	Manufactured in
01704	TAKATA QUANTUM CLASSIC (R)	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2018/08/24 2027/06/21	Japan ☑ Others ☐
01828	TAKATA QUANTUM EV	Brown	Self polishing hydrolysis t ype	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2022/12/13 2028/10/16	Japan ☑ Others ☐
00403	TAKATA QUANTUM FB	Light Brown, Dark Brown, Light Red, Dark Red	Self polishing hydrolysis type	1317-39-1	Cuprous oxide	2004/12/22 2028/10/16	Japan ☑ Others ☐
01716	TAKATA QUANTUM FB	Ligth Brown N, Dark Brown N, Light Brown L, Dark Brown L	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2019/02/08 2027/12/17	Japan ☑ Others ☐
01729	TAKATA QUANTUM FB(M)	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2019/10/18 2028/04/17	Japan ☑ Others ☐
01427	TAKATA QUANTUM FB(R)	Light Brown, Dark Brown, Light Red, Dark Red	Self polishing hydrolysis type	1317-39-1	Cuprous oxide	2009/07/24 2028/10/16	Japan ☑ Others ☐
01717	TAKATA QUANTUM FB(R)	Ligth Brown N, Dark Brown N, Light Brown L, Dark Brown L	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2019/02/08 2027/12/17	Japan ☑ Others ☐
01709	TAKATA QUANTUM FOCUS I	Light Brown, Dark Brown, Light Red, Dark Red	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2018/12/07 2027/12/17	Japan ☑ Others ☐
00146	TAKATA QUANTUM for COASTAL VESSEL	Brown, Red, Dark Brown, Light Brown, Blue, Green, Brown S, Dark Brown S	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2004/03/18 2026/10/26	Japan ☑ Others ☐
01662	TAKATA QUANTUM for COASTAL VESSEL V	Brown, Dark Brown, Red, Black, Brown S, Dark Brown S	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2017/02/24 2026/10/26	Japan ☑ Others ☐

[NOTE] Registered products are recognised to be compliant with IMO "International Convention on the Control of Harmful Anti-fouling Systems on Ships".
Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.
*Product name case is typed as on the application form.

This list was updated as of 2025/10/17

Self-Regulatory Management of Japan Paint Manufacturers Association to comply with IMO's International Convention on the Control of Harmful Anti-fouling Systems on Ships, 2001

JPMA List of Registered Organotin-free / Cybutryne-free Anti-fouling Systems

(2021 amendment)

Name of Manufacturer: KANSAI PAINT MARINE CO., LTD.

*Continuation process must be taken every 3 years for each system.
*Registered Sytems Listed in alphabetical Order.

Reg.No.	Name of anti-fouling system	Colour(s)	Type of anti-fouling system	CAS No.	Chemical name (IUPAC)	Dates of: Registration / Expiry	Manufactured in
00145	TAKATA QUANTUM for FISHING VESSEL	Brown, Red, Dark Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2004/03/18 2027/12/17	Japan ☑ Others ☐
01855	TAKATA QUANTUM G1000	Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8 86347-14-0	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole	2024/06/21 2027/06/21	Japan ☑ Others ☐
01856	TAKATA QUANTUM G2000	Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8 86347-14-0	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole	2024/06/21 2027/06/21	Japan ☑ Others ☐
01857	TAKATA QUANTUM G3000	Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8 86347-14-0	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole	2024/06/21 2027/06/21	Japan ☑ Others ☐
01815	TAKATA QUANTUM GX-2200N	Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8 86347-14-0	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole	2022/04/18 2028/02/21	Japan ☑ Others ☐
00385	TAKATA QUANTUM LLL	Light Brown, Dark Brown, Brown, Dark	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2004/12/22 2028/10/16	Japan ☑ Others ☐
01818	TAKATA QUANTUM MX-2145N	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2022/04/18 2027/12/17	Japan ☑ Others ☐
00143	TAKATA QUANTUM ND	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2004/03/18 2027/12/17	Japan ☑ Others ☐
01819	TAKATA QUANTUM ND	Brown G	Self polishing hydrolysis type	1317-39-1 14915-37-8 86347-14-0	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole	2022/04/18 2027/12/17	Japan ☑ Others ☐
00402	TAKATA QUANTUM PLUS	Light Brown, Dark Brown, Blue, Red, Light Red, Dark Red	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2004/12/22 2028/10/16	Japan ☑ Others ☐

[NOTE] Registered products are recognised to be compliant with IMO "International Convention on the Control of Harmful Anti-fouling Systems on Ships".
Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.
*Product name case is typed as on the application form.

This list was updated as of 2025/10/17

Self-Regulatory Management of Japan Paint Manufacturers Association to comply with IMO's International Convention on the Control of Harmful Anti-fouling Systems on Ships, 2001

JPMA List of Registered Organotin-free / Cybutryne-free Anti-fouling Systems

(2021 amendment)

Name of Manufacturer: KANSAI PAINT MARINE CO., LTD.

*Continuation process must be taken every 3 years for each system.
*Registered Sytems Listed in alphabetical Order.

Reg.No.	Name of anti-fouling system	Colour(s)	Type of anti-fouling system	CAS No.	Chemical name (IUPAC)	Dates of: Registration / Expiry	Manufactured in
01426	TAKATA QUANTUM PLUS(R)	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2009/07/24 2027/06/21	Japan ☑ Others ☐
01862	TAKATA QUANTUM PLUS(R) ADVANCE	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2024/10/18 2027/10/18	Japan ☑ Others ☐
01705	TAKATA QUANTUM R5000	Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2018/10/26 2027/06/21	Japan ☑ Others ☐
01706	TAKATA QUANTUM R8000	Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2018/10/26 2027/06/21	Japan ☑ Others ☐
00400	TAKATA QUANTUM ULTRA	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2004/12/22 2028/10/16	Japan ☑ Others ☐
01669	TAKATA QUANTUM X-mile 000	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2017/06/16 2026/06/15	Japan ☑ Others ☐
01670	TAKATA QUANTUM X-mile 000 FB	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2017/06/16 2026/06/15	Japan ☑ Others ☐
01491	TAKATA QUANTUM X-mile 001	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2011/06/03 2028/10/16	Japan ☑ Others ☐
01492	TAKATA QUANTUM X-mile 002	Brick, Maroon, Blue	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2011/06/03 2028/10/16	Japan ☑ Others ☐
01493	TAKATA QUANTUM X-mile 003	Brick, Maroon, Brick R. Maroon R	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2011/06/03 2026/04/20	Japan ☑ Others ☐
01494	TAKATA QUANTUM X-mile 005	Brick, Maroon, Brick S, Maroon S	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2011/06/03 2026/10/26	Japan ☑ Others ☐
01495	TAKATA QUANTUM X-mile 006	Brick, Maroon, Blue, Brick S, Maroon S	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2011/06/03 2027/12/17	Japan ☑ Others ☐
01496	TAKATA QUANTUM X-mile 007	Brick, Maroon, Brick S, Maroon S	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2011/06/03 2026/10/26	Japan ☑ Others ☐

[NOTE] Registered products are recognised to be compliant with IMO "International Convention on the Control of Harmful Anti-fouling Systems on Ships".
Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.
*Product name case is typed as on the application form.

This list was updated as of 2025/10/17

Self-Regulatory Management of Japan Paint Manufacturers Association to comply with IMO's International Convention on the Control of Harmful Anti-fouling Systems on Ships, 2001

JPMA List of Registered Organotin-free / Cybutryne-free Anti-fouling Systems

(2021 amendment)

Name of Manufacturer: KANSAI PAINT MARINE CO., LTD.

*Continuation process must be taken every 3 years for each system.
*Registered Sytems Listed in alphabetical Order.

Reg.No.	Name of anti-fouling system	Colour(s)	Type of anti-fouling system	CAS No.	Chemical name (IUPAC)	Dates of: Registration / Expiry	Manufactured in
01708	TAKATA QUANTUM X-mile EV	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2018/12/07 2027/12/17	Japan ☑ Others ☐
01666	TAKATA QUANTUM X-mile FB	Brick, Maroon, Brick R, Maroon R	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2017/06/16 2027/06/21	Japan ☑ Others ☐
01806	TAKATA QUANTUM X-mile MX-2046N	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2021/12/03 2027/06/21	Japan ☑ Others ☐
01665	TAKATA QUANTUM X-mile ND	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2017/06/16 2026/06/15	Japan ☑ Others ☐
01714	X-mile EV	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2019/02/08 2027/12/17	Japan ☑ Others ☐
01715	X-mile EV FB	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2019/02/08 2027/12/17	Japan ☑ Others ☐
01630	X-mile Premium 101	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2016/04/22 2028/04/17	Japan ☑ Others ☐
01631	X-mile Premium 102	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2016/04/22 2028/04/17	Japan ☑ Others ☐
01633	X-mile Premium 105	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2016/04/22 2027/12/17	Japan ☑ Others ☐
01634	X-mile Premium 106	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2016/04/22 2027/12/17	Japan ☑ Others ☐
01635	X-mile Premium 107	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2016/04/22 2027/12/17	Japan ☑ Others ☐
01636	X-mile Premium 108	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2016/04/22 2027/12/17	Japan ☑ Others ☐
01707	X-mile Premium FB	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2018/10/26 2027/06/21	Japan ☑ Others ☐

[NOTE] Registered products are recognised to be compliant with IMO "International Convention on the Control of Harmful Anti-fouling Systems on Ships".
Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.
*Product name case is typed as on the application form.

This list was updated as of 2025/10/17

Self-Regulatory Management of Japan Paint Manufacturers Association to comply with IMO's International Convention on the Control of Harmful Anti-fouling Systems on Ships, 2001

JPMA List of Registered Organotin-free / Cybutryne-free Anti-fouling Systems

(2021 amendment)

Name of Manufacturer: KANSAI PAINT MARINE CO., LTD.

*Continuation process must be taken every 3 years for each system.
*Registered Sytems Listed in alphabetical Order.

Reg.No.	Name of anti-fouling system	Colour(s)	Type of anti-fouling system	CAS No.	Chemical name (IUPAC)	Dates of: Registration / Expiry	Manufactured in
01804	X-mile Premium ND	Brick, Maroon	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2021/12/03 2027/06/21	Japan ☑ Others ☐
01805	X-mile Premium ND	Brick K, Maroon K	Self polishing hydrolysis type	1317-39-1 14915-37-8 64359-81-5	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one	2021/12/03 2027/06/21	Japan ☑ Others ☐

[NOTE] Registered products are recognised to be compliant with IMO "International Convention on the Control of Harmful Anti-fouling Systems on Ships".
Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.
*Product name case is typed as on the application form.

This list was updated as of 2025/10/17