



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

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.

84 products registered as of 2024/02/16

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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01424	AF MX-2080	Light Brown, Brown	Self polishing hydrolysis type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2009/07/24 2024/07/05	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01719	AF MX-2120N	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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01795	AF MX-2148N	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)-		2021/08/20 2024/08/19	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01824	AF MX-2162N	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		2022/08/19 2025/08/18	Japan <input type="checkbox"/> Others <input type="checkbox"/>
01794	AF MX-2192N	White	Self polishing hydrolysis type	64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2021/08/20 2024/08/19	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01835	AF MX-2261N	Light Brown, Dark Brown	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2023/04/21 2026/04/20	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01836	AF MX-2262N	Light Brown, Dark Brown	Self polishing 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		2023/04/21 2026/04/20	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>

[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 2024/02/16



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

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
00123	C-RUBAN A/F	Brown	Ablative type	1317-39-1	Cuprous oxide		2004/03/18 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00128	C-RUBAN A/F for SUBMARINE	Brown	Ablative type	1317-39-1	Cuprous oxide		2004/03/18 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00126	C-RUBAN A/F HP	Brown	Ablative type	1317-39-1	Cuprous oxide		2004/03/18 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00129	C-RUBAN B/T for SUBMARINE	Black	Ablative type	1317-39-1	Cuprous oxide		2004/03/18 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01279	NKM SEAFORCE30	Dark Red, Light Red	Self polishing hydration type	12122-67-7 1317-39-1	Zinc ethylenebis (dithiocarbamate) Cuprous oxide		2008/05/28 2025/12/12	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01107	SEAFORCE 30	Light Red, Dark Red	Self polishing hydration type	12122-67-7 1317-39-1	Zinc ethylenebis (dithiocarbamate) Cuprous oxide		2006/04/25 2024/07/05	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01108	SEAFORCE 60	Light Red, Dark Red	Self polishing hydration type	12122-67-7 1317-39-1 14915-37-8	Zinc ethylenebis (dithiocarbamate) Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2006/04/25 2024/07/05	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01109	SEAFORCE 90	Light Red, Dark Red, Blue, Black, Green	Self polishing hydration type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2006/04/25 2024/07/05	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00117	SEAQUEEN	Light Red, Dark Red	Self polishing hydration type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2004/03/18 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/12/12	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>

[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 2024/02/16



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

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
01305	SHIN LLL No.100 for HIGH SPEED VESSEL	Brown, Red, Dark Brown, Light Brown	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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01307	SHIN LLL No.300	Light Brown, Red	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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/08/18	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01311	TAKATA A/F for SUBMARINE	Black	Ablative type	1317-39-1	Cuprous oxide		2008/12/15 2026/10/26	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01299	TAKATA QUANTUM 16 FOR COASTAL VESSEL	Brown, Red, Dark Brown, Light Brown, 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)-		2008/12/15 2026/10/26	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01298	TAKATA QUANTUM 20 FOR COASTAL VESSEL	Brown, Red, Dark Brown, Light Brown, 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)-		2008/12/15 2026/10/26	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/12/12	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2024/07/05	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01828	TAKATA QUANTUM EV	Brown	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2022/12/13 2025/12/12	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>

[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 2024/02/16



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

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
00403	TAKATA QUANTUM FB	Light Brown, Dark Brown, Light Red, Dark Red	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2004/12/22 2025/12/12	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/08/18	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/12/12	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01300	TAKATA QUANTUM for COASTAL VESSEL SEAKING II	Brown, Red, Dark Brown, Light Brown, 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)-		2008/12/15 2026/10/26	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>

[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 2024/02/16



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

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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01814	TAKATA QUANTUM GX-2190N	Brown, Dark Brown	Self polishing 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 2025/04/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/04/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01816	TAKATA QUANTUM GX-2233N	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 2025/04/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/12/12	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01315	TAKATA QUANTUM LLL FB	Light Brown, Dark Brown, Light Red, Dark Red, Brown, Light	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2008/12/15 2025/12/12	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01817	TAKATA QUANTUM MX-2120N	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 2025/04/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/04/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01786	TAKATA QUANTUM MX-2148N	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)-		2021/07/06 2024/07/05	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>

[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 2024/02/16



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

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
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 2025/04/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01821	TAKATA QUANTUM ND	Light Brown 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		2022/06/17 2025/06/16	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/12/12	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2024/07/05	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2024/10/14	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2024/10/14	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/12/12	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/12/12	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/12/12	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>

[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 2024/02/16



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

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
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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/04/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2024/10/14	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2024/12/02	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01632	X-mile Premium 103	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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 2025/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>

[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 2024/02/16



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

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
01634	X-mile Premium 106	Brick, Maroon	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2016/04/22	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/02/17	Others <input type="checkbox"/>
01635	X-mile Premium 107	Brick, Maroon	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2016/04/22	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/02/17	Others <input type="checkbox"/>
01636	X-mile Premium 108	Brick, Maroon	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2016/04/22	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/02/17	Others <input type="checkbox"/>
01707	X-mile Premium FB	Brick, Maroon	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2018/10/26	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2024/10/14	Others <input type="checkbox"/>
01804	X-mile Premium ND	Brick, Maroon	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2021/12/03	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2024/12/02	Others <input type="checkbox"/>
01805	X-mile Premium ND	Brick K, Maroon K	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2021/12/03	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2024/12/02	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			

[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 2024/02/16