



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

Name of Manufacturer: **AKZO NOBEL COATINGS K.K. INTERNATIONAL PAINT DIV.**  
 5F, Haubiru Nishi-Shimbashi, 2-35-2, Nishi-Shimbashi, Minato-ku TOKYO

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

3 products registered as of 2024/12/17

Reg.No.	Name of anti-fouling system	Colour(s)	Type of anti-fouling system	CAS No.	Chemical name (IUPAC)	Dates of:	Registration	Manufactured
							Expiry	in
01384	Intersmooth 7465HS SPC	BEA774-Brown, BEA777-Red	Self Polishing Copolymer	1317-39-1	Cuprous oxide	2009/07/24 2027/12/17	Japan	<input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input checked="" type="checkbox"/>
01858	Intersmooth 7475Si SPC	Brown (BEA844), Red (BEA847)	Self Polishing Copolymer	1317-39-1	Cuprous oxide	2024/08/23 2027/08/23	Japan	<input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input checked="" type="checkbox"/>
01482	Interspeed 6400	BQA644-Red, BQA648-Brown	Conventional	12122-67-7	Zinc ethylenebis (dithiocarbamate)	2011/03/24 2027/06/21	Japan	<input type="checkbox"/>
				1317-39-1	Cuprous oxide		Others	<input checked="" type="checkbox"/>

[NOTE] Registered products are recognised to be compliant with IMO "International Convention on the Control of Harmful Anti-fouling Systems on Ships".

This list was updated as of 2024/12/17

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.



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

Name of Manufacturer: **ALPHA PAINT INC.**  
4-5-2, Minami-Oi, Shinagawa-ku TOKYO

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

1 products registered as of 2024/12/17

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
01811	ECOMARINECOAT MUKI G-2200D	Light grey	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2022/02/18 2025/02/17	Japan <input checked="" type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea			Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			

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Name of Manufacturer: **BASSERU CHEMICAL CO., LTD.**  
6-10-6, Hikoshima-Honmura-cho, Shimonoseki-shi, YAMAGUCHI

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\*Registered Sytems Listed in alphabetical Order.

5 products registered as of 2024/12/17

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
00433	HR AF	Red	Conventional type	1317-39-1	Cuprous oxide		2005/03/11 2025/10/20	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00435	HR AF SC	Red	Ablative type	1317-39-1 330-54-1 64359-81-5	Cuprous oxide 3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2005/03/11 2025/10/20	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00436	HR AF SP	Redbrown	Self polishing type	1317-39-1 13463-41-7	Cuprous oxide Zinc-2-pyridinethiol-1-oxide		2005/03/11 2025/10/20	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00440	SEASTORY MARINECHAN	Red, Blue	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2005/03/11 2025/10/20	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00441	SEASTORY SAM	Red, Blue, Black	Self polishing hydrolysis type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2005/03/11 2025/10/20	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>

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\*Product name case is typed as on the application form.

This list was updated as of 2024/12/17



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

Name of Manufacturer: **CHUGOKU MARINE PAINTS, LTD.**  
Tokyo Club Building, 3-2-6, Kasumigaseki, Chiyoda-ku, TOKYO

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

77 products registered as of 2024/12/17

Reg.No.	Name of anti-fouling system	Colour(s)	Type of anti-fouling system	CAS No.	Chemical name (IUPAC)	Dates of:	Registration	Manufactured
							Expiry	in
01523	APPARE	Blue H, Red H, Black H, Light Red H	Self polishing type	1317-39-1	Cuprous oxide		2012/01/27	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/06/15	Others <input type="checkbox"/>
01211	CMP BIOCLEAR HB	Light Grey S, Red Brown S, Black S, Dark Blue S	Biocide-free silicon type	-	-		2007/05/28	Japan <input checked="" type="checkbox"/>
							2027/02/15	Others <input type="checkbox"/>
01746	CMP BIOCLEAR N	Light Grey	Biocide-free silicon type				2020/07/29	Japan <input checked="" type="checkbox"/>
							2026/06/15	Others <input type="checkbox"/>
01577	CMP BIOCLEAR PLUS	Black, Red Brown, Red Brown A	Foul Release Coating	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2014/02/14	Japan <input checked="" type="checkbox"/>
							2027/12/17	Others <input checked="" type="checkbox"/>
01643	CMP BIOCLEAR PLUS	Red Brown S	Foul Release Coatings	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2016/08/26	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/04/17	Others <input checked="" type="checkbox"/>
01213	CMP BIOCLEAR R	Light Grey, Red Brown, Black, Off White, Ruby Red	Biocide-free silicon type	-	-		2007/05/28	Japan <input checked="" type="checkbox"/>
							2025/06/16	Others <input type="checkbox"/>
01678	CMP BIOCLEAR R PLUS	Red Brown, Plum	Foul Release Coating	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2017/11/02	Japan <input checked="" type="checkbox"/>
							2026/08/17	Others <input checked="" type="checkbox"/>
01484	CMP BIOCLEAR RS	Black	Biocide-free silicon type	-	-		2011/02/04	Japan <input checked="" type="checkbox"/>
							2025/06/16	Others <input type="checkbox"/>
01365	MARINE STAR 30G	Green I, Blue I, Red Brown I, Silver White I, Red I, Green V, Red V, Blue V, Silver White V	Self polishing type	1317-39-1	Cuprous oxide		2009/04/03	Japan <input checked="" type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2027/02/15	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01597	MARINE STAR A	White I, Blue I, Red Brown I, Green I, Red I, Black I	Self polishing type	1111-67-7	Cuprous Thiocyanate		2015/02/20	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2026/10/26	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			

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Name of Manufacturer: CHUGOKU MARINE PAINTS, 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	Manufactured
							Expiry	in
01519	NEW KAIO	Red H, Light Red H, Blue H, Black H	Self polishing type	1317-39-1	Cuprous oxide		2012/01/27	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/06/15	Others <input type="checkbox"/>
01522	NEW KAIO 200	Light Red, Red Brown	Self polishing type	1317-39-1	Cuprous oxide		2012/01/27	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/10/26	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01671	NEW KAIO 300	Red, Blue, Black	Self polishing type	1317-39-1	Cuprous oxide		2017/06/16	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/06/15	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
00277	NEW KAMOME	Blue, Red	Conventional type	1317-39-1	Cuprous oxide		2004/05/21	Japan <input checked="" type="checkbox"/>
							2025/08/18	Others <input type="checkbox"/>
01592	NEW MARINE GOLD	White III, Blue III, Red Brown III, Green III, Red III, Black III	Self polishing type	1111-67-7	Cuprous Thiocyanate		2014/10/29	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2026/10/26	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01564	NEW MARINE GOLD DX ALPHA	Red, Blue, Black	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2013/08/22	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2025/08/18	Others <input type="checkbox"/>
00288	NEW MARINE GOLD DX CLEAR	Clear	Self polishing type	-	-		2004/05/21	Japan <input checked="" type="checkbox"/>
							2027/06/21	Others <input type="checkbox"/>
01769	NEW MARINE GOLD DX PLUS	White, Blue, Green, Red, Black	Self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2021/03/04	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2027/02/15	Others <input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01696	NEW PELLER CLEAN PLUS FINISH	Yellow Brown	Foul Release Coating	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2018/02/16	Japan <input checked="" type="checkbox"/>
							2026/10/26	Others <input type="checkbox"/>
01725	NEW PELLER CLEAN PLUS FINISH R	Yellow	Biocide-free silicon type				2019/04/19	Japan <input checked="" type="checkbox"/>
							2027/12/17	Others <input type="checkbox"/>

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\*Registered Systems Listed in alphabetical Order.

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							Expiry	in
01620	SCREW AF COASTAL	Yellow Brown	Foul Release Coating	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2015/08/21 2027/06/21	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00206	SEA GRANDPRIX 1000	Red, Light Red	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2004/06/21 2026/06/15	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>
01463	SEA GRANDPRIX 1000 L	Light Brown, Brown, Blue, Brown K, Light Brown K Brown H, Light Brown H, Blue H	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2010/06/04 2027/12/17	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>
01255	SEA GRANDPRIX 200 R	Red, Light Red, Ogi Colour	Self polishing 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		2008/01/30 2027/06/21	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01616	SEA GRANDPRIX 2000 A	Light Red, Red, Purple, Blue, Black (1st coat), Black (2nd coat), Light Red N, Red N, Red K, Light Red K, Blue K, Red H, Light Red H, Blue H, Light Brown H, Light Brown R, Red R	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2015/06/19 2027/12/17	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>
01254	SEA GRANDPRIX 2000 S	Light Red, Red	Self polishing 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		2008/01/30 2025/04/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01432	SEA GRANDPRIX 220 HS	Brown S, Light Brown S, Black S	Self polishing type	1317-39-1	Cuprous oxide		2009/11/20 2025/10/20	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>
01784	SEA GRANDPRIX 2200	Light Brown, Red, Blue, Black	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2021/04/21 2026/04/20	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>
01320	SEA GRANDPRIX 500 HS	Red, Light Red, Purple, Red N, Light Red N	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2008/11/27 2027/08/23	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>

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Name of Manufacturer: CHUGOKU MARINE PAINTS, LTD.

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Reg.No.	Name of anti-fouling system	Colour(s)	Type of anti-fouling system	CAS No.	Chemical name (IUPAC)	Dates of:	Registration	Manufactured
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01321	SEA GRANDPRIX 500 M HS	Red, Light Red, Red K, Light Red K, Light Red N, Red N	Self polishing type	1317-39-1	Cuprous oxide		2008/11/27	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/08/18	Others <input checked="" type="checkbox"/>
01329	SEA GRANDPRIX 660 HS	Brown, Light Brown, Brown S, Light Brown S, Brown R, Light Brown R, Black S	Self polishing type	1317-39-1	Cuprous oxide		2009/01/20	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2025/10/20	Others <input checked="" type="checkbox"/>
01702	SEA GRANDPRIX 770 HS	Brown, Light Brown	Self polishing type	1317-39-1	Cuprous oxide		2018/06/15	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2027/06/21	Others <input checked="" type="checkbox"/>
01745	SEA GRANDPRIX 800 EX	Brown, Red	Self polishing type	1317-39-1	Cuprous oxide		2020/07/29	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/06/21	Others <input type="checkbox"/>
01625	SEA GRANDPRIX 880 HS	Light Brown, Brown	Self polishing type	1317-39-1	Cuprous oxide		2015/12/18	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2025/08/18	Others <input checked="" type="checkbox"/>
01759	SEA GRANDPRIX 880 HS PLUS	Light Brown, Brown, Brown A, Light Brown A	Self polishing type	1317-39-1	Cuprous oxide		2021/03/04	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2025/10/20	Others <input checked="" type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01699	SEA GRANDPRIX 900 L	Brown, Light Brown	Self polishing type	1317-39-1	Cuprous oxide		2018/06/15	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2027/06/21	Others <input checked="" type="checkbox"/>
01698	SEA GRANDPRIX 950 L	Brown, Light Brown	Self polishing type	1317-39-1	Cuprous oxide		2018/06/15	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/06/21	Others <input checked="" type="checkbox"/>
01763	SEA GRANDPRIX CF-10 A	Blue N, Red N	Self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2021/03/04	Japan <input checked="" type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2025/08/18	Others <input checked="" type="checkbox"/>
01764	SEA GRANDPRIX CF-10 L A	Light Red N, Red N	Self polishing type	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2021/03/04	Japan <input checked="" type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2025/08/18	Others <input checked="" type="checkbox"/>
01768	SEA GRANDPRIX FBX PLUS	White II	Self polishing type	64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2021/03/04	Japan <input checked="" type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2027/02/15	Others <input type="checkbox"/>
00291	SEA GRANDPRIX FRP	Light Red H	Self polishing type	1317-39-1	Cuprous oxide		2004/05/21	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/06/21	Others <input type="checkbox"/>

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\*Continuation process must be taken every 3 years for each system.

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							Expiry	in
01552	SEA PREMIER 1000	Red, Light Red, Blue	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile	2013/06/18 2025/04/17	Japan	<input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		Others	<input checked="" type="checkbox"/>
01762	SEA PREMIER 1000 PLUS	Red N, Purple N, Blue N, Green	Self polishing type	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2021/03/04 2027/02/15	Japan	<input checked="" type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		Others	<input type="checkbox"/>
01761	SEA PREMIER 1000 PLUS H	Light Red, Red	Self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide	2021/03/04 2027/02/15	Japan	<input checked="" type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		Others	<input type="checkbox"/>
01833	SEA PREMIER 1000 PLUS Z	Red, Light Red	Self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide	2023/02/17 2026/02/16	Japan	<input checked="" type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		Others	<input type="checkbox"/>
01861	SEA PREMIER 200 PLUS	Red, Light Red	Self polishing type	1317-39-1	Cuprous oxide	2024/08/23 2027/08/23	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01785	SEA PREMIER 2000 PLUS	Brown, Red, Red R, Brown R	Self polishing type	1317-39-1	Cuprous oxide	2021/04/21 2027/02/15	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01796	SEA PREMIER 3000	Red, Light Brown, Black, Blue	Self polishing type	1317-39-1	Cuprous oxide	2021/10/15 2026/12/14	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
01772	SEA PREMIER 3000 PLUS 1	Light Brown, Red, Blue	Self polishing type	1317-39-1	Cuprous oxide	2021/03/04 2026/04/20	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01773	SEA PREMIER 3000 PLUS 2	Light Brown, Red, Black	Self polishing type	1317-39-1	Cuprous oxide	2021/03/04 2026/04/20	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01462	SEA PREMIER 850	Red, Light Red	Self polishing type	1317-39-1	Cuprous oxide	2010/06/04 2027/08/23	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		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 2024/12/17





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

Name of Manufacturer: CHUGOKU MARINE PAINTS, 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	Manufactured
							Expiry	in
01674	SEA PREMIER CF Z	Light Red, Red	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile	2017/08/25 2026/06/15	Japan	<input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		Others	<input type="checkbox"/>
01591	SEAFLO NEO 500 Z	Red, Light Red, Brown, Light Brown	Self polishing type	1317-39-1	Cuprous oxide	2014/08/22 2026/10/26	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input checked="" type="checkbox"/>
01766	SEAFLO NEO CF PREMIUM	Light Red, Red, Light Red S, Red S, Light Red R, Red R	Self polishing type	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2021/03/04 2025/08/18	Japan	<input checked="" type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		Others	<input checked="" type="checkbox"/>
01788	SEAFLO NEO CF PREMIUM EX	Light Red R, Red R	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile	2021/07/06 2025/08/18	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input checked="" type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01626	SEAFLO NEO CF Z	Red, Light Red	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile	2015/12/18 2027/08/23	Japan	<input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		Others	<input checked="" type="checkbox"/>
01822	SEAFLO NEO CF Z	Light Red A, Red A	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile	2022/06/17 2025/06/16	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input checked="" type="checkbox"/>
01830	SEAFLO NEO CF Z SUPER	Red A	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile	2022/12/13 2025/12/12	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01776	SEAFLO NEO M1 PLUS	Light Brown, Brown	Self polishing type	1317-39-1	Cuprous oxide	2021/03/04 2025/08/18	Japan	<input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		Others	<input checked="" type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01812	SEAFLO NEO SL M	Brown, Light Brown	Self polishing type	1317-39-1	Cuprous oxide	2022/02/18 2025/08/18	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input checked="" type="checkbox"/>

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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 2024/12/17



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

Name of Manufacturer: CHUGOKU MARINE PAINTS, 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	Manufactured
							Expiry	in
01579	SEAFLO NEO SL Z	Brown, Light Brown, Brown K, Light Brown K, Brown H, Light Brown H, Blue	Self polishing type	1317-39-1	Cuprous oxide	2014/02/14 2027/12/17	Japan <input checked="" type="checkbox"/>	Others <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
01770	SEAFLO NEO SL Z PLUS	Light Brown, Brown	Self polishing type	1317-39-1	Cuprous oxide	2021/03/04 2025/08/18	Japan <input checked="" type="checkbox"/>	Others <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01827	SEAFLO NEO SNF-S	Brown H, Light Brown H	Self polishing type	1317-39-1	Cuprous oxide	2022/10/21 2025/10/20	Japan <input checked="" type="checkbox"/>	Others <input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
01629	SEAFLO NEO Z	Red N2, Light Red N2	Self polishing type	1317-39-1	Cuprous oxide	2016/02/18 2027/08/23	Japan <input checked="" type="checkbox"/>	Others <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
01760	SEAFLO NEO Z PLUS	Light Red, Red	Self polishing type	1317-39-1	Cuprous oxide	2021/03/04 2025/08/18	Japan <input checked="" type="checkbox"/>	Others <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01771	SEAFLO NEO-S PREMIUM	Brown D	Self polishing type	1317-39-1	Cuprous oxide	2021/03/04 2025/08/18	Japan <input checked="" type="checkbox"/>	Others <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01580	SEAFLO NEO-S Z	Red, Light Red, Red N, Brown	Self polishing type	1317-39-1	Cuprous oxide	2014/02/14 2026/10/26	Japan <input checked="" type="checkbox"/>	Others <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01360	SEAJET 033	Shark White I, Blue I, Red I, Black I	Self polishing type	1317-39-1	Cuprous oxide	2009/04/03 2026/10/26	Japan <input checked="" type="checkbox"/>	Others <input type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea			
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			

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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.



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

Name of Manufacturer: CHUGOKU MARINE PAINTS, 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	Manufactured
							Expiry	in
01789	SEAJET 033 PREMIUM	Blue I, Black I, Shark White I, Red I	Self polishing type	1317-39-1	Cuprous oxide		2021/07/06	Japan <input checked="" type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2025/04/17	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01775	SEAJET 037	Pure White, Pure Black, Pure Red, Pure Blue	Self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2021/03/04	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2027/02/15	Others <input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01585	SEAJET 039	Ash Black H, Ash Blue H, Ash Grey H	Self polishing type	1317-39-1	Cuprous oxide		2014/04/11	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/06/15	Others <input type="checkbox"/>
01586	SEAJET 039	Ash Grey	Self polishing type	1317-39-1	Cuprous oxide		2014/04/11	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/10/20	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01487	SEATENDER 20	Light Brown, Brown, Black, Blue	Self polishing type	1317-39-1	Cuprous oxide		2011/03/24	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2025/12/12	Others <input checked="" type="checkbox"/>
01486	SEATENDER 7	Red Brown	Conventional type	1317-39-1	Cuprous oxide		2011/03/24	Japan <input checked="" type="checkbox"/>
							2025/12/12	Others <input checked="" type="checkbox"/>
01813	TFA-10A	Red, Light Red, Black	Self polishing type	1317-39-1	Cuprous oxide		2022/02/18	Japan <input checked="" type="checkbox"/>
							2027/12/17	Others <input checked="" type="checkbox"/>
01578	TFA-30	Silver white, Black, Red, Blue	Self polishing type	1317-39-1	Cuprous oxide		2014/02/14	Japan <input checked="" type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2025/08/18	Others <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
00263	VINYL AF	Red Brown	Conventional type	1317-39-1	Cuprous oxide		2004/05/21	Japan <input checked="" type="checkbox"/>
							2027/08/23	Others <input type="checkbox"/>

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\*Product name case is typed as on the application form.

This list was updated as of 2024/12/17



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

Name of Manufacturer: **HEMPEL A/S**  
Lundtoftegaardsvej 90, Kongens Lyngby, Denmark

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

30 products registered as of 2024/12/17

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
01851	Hempablue 87750	19990, 59151	Biocide free, fouling release type	-	-		2024/02/16 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01863	Hempaguard NB, 89970	19990	Hybrid type	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2024/12/17 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01581	Hempaguard X5 89700	19740, 59161	Hybrid type	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2014/04/11 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01582	Hempaguard X7 89900	19740, 19744, 59161, 59164	Hybrid type	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2014/04/11 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01736	Hempaguard X8 89940	19740, 59161	Hybrid type	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2020/02/21 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01864	Hempaguard XL, 88710	59151	Biocide free, fouling release				2024/12/17 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01627	Hempasil X3+ 87500	15150, 19990, 30170, 47560, 59151	Biocide free, fouling release type	-	-		2016/04/22 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01712	Hempel's Antifouling Dynamic 9000 79900	19900, 51110, 60600	Hydrolysing silyl acrylate type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2018/12/07 2024/12/02	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01713	Hempel's Antifouling Dynamic 9000 79950	51110, 60600	Hydrolysing silyl acrylate type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2018/12/07 2027/02/15	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01686	Hempel's Antifouling Globic 6000 75952	19990, 51110, 60600	Self-polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2018/02/16 2027/02/15	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01547	HEMPEL'S ANTIFOULING GLOBIC 6000, 75950	19990, 51110, 60600	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2013/02/15 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>

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This list was updated as of 2024/12/17



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

Name of Manufacturer: HEMPEL A/S

\*Continuation process must be taken every 3 years for each system.

\*Registered Systems 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
01734	Hempel's Antifouling Globic 7000 78350	19990, 51110, 60600	Hydrolysing SPC type	12122-67-7	Zinc ethylenebis (dithiocarbamate)		2020/02/21	Japan <input type="checkbox"/>
				1317-39-1	Cuprous oxide		2027/12/17	Others <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
01595	HEMPEL'S ANTIFOULING GLOBIC 8000 78550	19990, 40640, 51110, 60600	Hydrolysing SPC	12122-67-7	Zinc ethylenebis (dithiocarbamate)		2015/02/20	Japan <input type="checkbox"/>
				1317-39-1	Cuprous oxide		2027/12/17	Others <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
01687	Hempel's Antifouling Globic 9000 78902	19990, 30170, 51110, 60600	Self-polishing type	1317-39-1	Cuprous oxide		2018/02/16	Japan <input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/02/15	Others <input checked="" type="checkbox"/>
01688	Hempel's Antifouling Globic 9000 78952	19990, 30170, 51110, 60600	Self-polishing type	1317-39-1	Cuprous oxide		2018/02/16	Japan <input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/02/15	Others <input checked="" type="checkbox"/>
01548	HEMPEL'S ANTIFOULING GLOBIC 9000, 78900	19990, 30170, 51110, 60600	Self polishing type	1317-39-1	Cuprous oxide		2013/02/15	Japan <input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/12/17	Others <input checked="" type="checkbox"/>
01549	HEMPEL'S ANTIFOULING GLOBIC 9000, 78950	19990, 19994, 30170, 51110, 51114, 60600, 60604	Self polishing type	1317-39-1	Cuprous oxide		2013/02/15	Japan <input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/02/16	Others <input checked="" type="checkbox"/>
01672	HEMPEL'S ANTIFOULING GLOBIC 9500 M 78954	19990, 30170, 51110, 60600	Hydrolyzing NAT	12122-67-7	Zinc ethylenebis (dithiocarbamate)		2017/06/16	Japan <input type="checkbox"/>
				1317-39-1	Cuprous oxide		2027/12/17	Others <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01682	Hempel's Antifouling Globic 9500N 7895N	19990, 37030, 51110, 60600	Hydrolysing SPC	12122-67-7	Zinc ethylenebis (dithiocarbamate)		2018/02/16	Japan <input type="checkbox"/>
				1317-39-1	Cuprous oxide		2027/12/17	Others <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01757	Hempels' Antifouling Globic 9500S 7895S	19990, 51110, 60600	Hydrolysing NAT	1317-39-1	Cuprous oxide		2021/03/04	Japan <input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/02/15	Others <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			

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This list was updated as of 2024/12/17

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.



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

Name of Manufacturer: HEMPEL A/S

\*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	Manufactured
							Expiry	in
01755	Hempel's Antifouling Oceanic Flex+ 7390W	19990, 30170, 42650, 551110, 60600	Hydrolysing SPC type	12122-67-7 1317-39-1	Zinc ethylenebis (dithiocarbamate) Cuprous oxide		2021/03/04 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01756	Hempel's Antifouling Oceanic Protect+ 7395W	19990, 30170, 51110, 60600	Hydrolysing SPC type	12122-67-7 1317-39-1	Zinc ethylenebis (dithiocarbamate) Cuprous oxide		2021/03/04 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01710	Hempel's Antifouling Oceanic+ 73902	19990, 30170, 42650, 51110, 60600	Self polishing type	12122-67-7 1317-39-1	Zinc ethylenebis (dithiocarbamate) Cuprous oxide		2018/12/07 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01711	Hempel's Antifouling Oceanic+ 73952	19990, 30170, 51110, 60600	Self polishing type	12122-67-7 1317-39-1	Zinc ethylenebis (dithiocarbamate) Cuprous oxide		2018/12/07 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01753	Hempels' Antifouling Olympic Flex+ 7290W	19990, 30170, 51110, 60600	Self-polishing type	12122-67-7 1317-39-1	Zinc ethylenebis (dithiocarbamate) Cuprous oxide		2021/03/04 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01752	Hempel's Antifouling Olympic Protect 7195W	51110, 60600	Self-polishing type	12122-67-7 1317-39-1	Zinc ethylenebis (dithiocarbamate) Cuprous oxide		2021/03/04 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01754	Hempel's Antifouling Olympic Protect+ 7295W	19990, 30170, 51110, 60600	Self-polishing type	12122-67-7 1317-39-1	Zinc ethylenebis (dithiocarbamate) Cuprous oxide		2021/03/04 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01543	HEMPEL'S ANTIFOULING OLYMPIC+, 72900	19990, 30170, 43890, 51110, 60600	Self polishing type	12122-67-7 1317-39-1	Zinc ethylenebis (dithiocarbamate) Cuprous oxide		2013/02/15 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01544	HEMPEL'S ANTIFOULING OLYMPIC+, 72950	19990, 30170, 43890, 51110, 60600	Self polishing type	12122-67-7 1317-39-1	Zinc ethylenebis (dithiocarbamate) Cuprous oxide		2013/02/15 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01834	Hempel's Antifouling Sonic 79970	19990, 30170, 51110, 60600	Hydrolysing SA type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2023/02/17 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>

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This list was updated as of 2024/12/17



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

Name of Manufacturer: ISHIKAWA PAINT CO., LTD.  
4-18-31, Kashima, Yodogawa-ku, Osaka-shi, OSAKA

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

16 products registered as of 2024/12/17

Reg.No.	Name of anti-fouling system	Colour(s)	Type of anti-fouling system	CAS No.	Chemical name (IUPAC)	Dates of:	Registration	Manufactured
							Expiry	in
00337	CLEANCOAT	Reddish Brown, Red, Blue	Self-polishing hydration type	1317-39-1	Cuprous oxide	2004/10/26 2025/04/17	Japan	<input checked="" type="checkbox"/>
				1897-45-6	2,4,5,6-Tetrachloroisophthalonitrile		Others	<input type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea			
00338	CLEANCOAT	White	Self-polishing hydration type	1897-45-6	2,4,5,6-Tetrachloroisophthalonitrile	2004/10/26 2025/04/17	Japan	<input checked="" type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		Others	<input type="checkbox"/>
00340	CLEANCOAT A/F HP	Red, Blue, Brown	Self-polishing hydration type	1317-39-1	Cuprous oxide	2004/10/26 2025/04/17	Japan	<input checked="" type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		Others	<input type="checkbox"/>
00339	CLEANCOAT SUPER A/F	Light Brown	Self-polishing hydration type	1317-39-1	Cuprous oxide	2004/10/26 2025/04/17	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
00342	NEWSEARON	Red, Blue, Green, Black	Self-polishing hydrolysys type	13108-52-6	2,3,5,6-Tetrachloro-4-(methylsulphonyl)pyridine	2005/02/17 2025/04/17	Japan	<input checked="" type="checkbox"/>
				1317-39-1	Cuprous oxide		Others	<input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
00344	NEWSEARON 1000 A/F	Red, Brown	Self-polishing hydrolysys type	1317-39-1	Cuprous oxide	2004/10/26 2025/04/17	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
00345	NEWSEARON 2000 A/F	Red, Brown	Self-polishing hydrolysys type	1317-39-1	Cuprous oxide	2004/10/26 2025/04/17	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
00346	NEWSEARON 2000A A/F	Brown, Dark Brown	Self-polishing hydrolysys type	1317-39-1	Cuprous oxide	2004/10/26 2025/04/17	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
00347	NEWSEARON 3000 A/F	Red, Brown	Self-polishing hydrolysys type	1317-39-1	Cuprous oxide	2004/10/26 2025/04/17	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
00343	NEWSEARON F	Red	Self-polishing hydrolysys type	1317-39-1	Cuprous oxide	2004/10/26 2025/04/17	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
00349	NEWSEARON SEACHEST A/F	Red, Brown	Self-polishing hydrolysys type	1317-39-1	Cuprous oxide	2004/10/26 2025/04/17	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		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 2024/12/17



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

Name of Manufacturer: ISHIKAWA PAINT 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	Manufactured
							Expiry	in
00355	POISON	Reddish brown	Self-polishing type	1317-39-1	Cuprous oxide		2004/10/26 2025/04/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00356	RABACOAT A/F C	Reddish brown	Ablative type	1317-39-1	Cuprous oxide		2004/10/26 2025/04/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00353	VINIHARD A/F	Reddish brown	Ablative type	1317-39-1	Cuprous oxide		2004/10/26 2025/04/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00354	VINIHARD A/F #1000	Reddish brown	Ablative type	1317-39-1	Cuprous oxide		2004/10/26 2025/04/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00352	VINYCRON A/F	Reddish brown	Ablative type	1317-39-1	Cuprous oxide		2004/10/26 2025/04/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>

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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 2024/12/17





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

Name of Manufacturer: KANAE PAINT CO., LTD.

1-6-13, Hanaten-Higashi, Tsurumi-ku, Osaka-shi, OSAKA

\*Continuation process must be taken every 3 years for each system.

\*Registered Sytems Listed in alphabetical Order.

10 products registered as of 2024/12/17

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
00062	CLEAN TOP DELUXE	Clear	Biocide-free silicon type	-	-		2004/03/18 2027/12/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01859	KANAE PORT A/F #5000 TA-11	Red, AutumnRed, Brown, Blue, Black	Self-polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2024/08/23 2027/08/23	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01574	KANAE PORT A/F #5000msKAI	Red N, Brown N	Self polishing 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		2014/02/14 2026/02/16	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01573	KANAE PORT A/F #7000B KAI	Red N, Brown N, 808Blue N	Self polishing 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		2014/02/14 2026/02/16	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01748	KANAE PORT A/F CLEAN #2000 HD	Redbrown N	Ablative type	1317-39-1 330-54-1 64359-81-5	Cuprous oxide 3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2020/07/29 2026/06/15	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01749	KANAE PORT A/F CLEAN #4000	Redbrown N	Ablative type	1317-39-1 330-54-1 64359-81-5	Cuprous oxide 3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2020/07/29 2026/06/15	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01750	KANAE PORT A/F CLEAN #5000 M	White N	Self polishing type	64359-81-5 971-66-4	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one Pyridine-triphenylborane		2020/07/29 2026/06/15	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00014	KANAE PORT A/F CLEAN #5000 N-10	Red,Brown	Self polishing 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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00003	KR-A/F N	Brown, D Brown	Conventional type	1317-39-1	Cuprous oxide		2004/03/18 2027/08/23	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>

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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 2024/12/17



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

Name of Manufacturer: KANAE PAINT 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	Manufactured
							Expiry	in
01860	RE;OCEAN ZERO	Red, AutumnRed, Brown, 808Blue	Self-polishing type	1317-39-1	Cuprous oxide		2024/08/23	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/08/23	Others <input type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea			

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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 2024/12/17



# 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.

81 products registered as of 2024/12/17

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	Cuprous oxide		2004/03/18	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/12/17	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 2027/06/21	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01719	AF MX-2120N	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2019/04/19	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/02/17	Others <input type="checkbox"/>
01720	AF MX-2121N	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2019/04/19	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/12/17	Others <input type="checkbox"/>
01843	AF MX-2150N	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2023/12/15	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/12/14	Others <input type="checkbox"/>
01867	A-F MX-2196N	Light Brown, Dark Brown	Self polishing hydrolysis type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2024/12/17	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2027/12/17	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"/>
00123	C-RUBAN A/F	Brown	Ablative type	1317-39-1	Cuprous oxide		2004/03/18 2027/12/17	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 2027/12/17	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 2027/12/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00157	NEWPLADOL for SUBMARINE	Black	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2004/03/18	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/12/17	Others <input type="checkbox"/>

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\*Product name case is typed as on the application form.

This list was updated as of 2024/12/17



## 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	Manufactured
							Expiry	in
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 <input checked="" type="checkbox"/> Others <input type="checkbox"/>
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 <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"/>
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"/>
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"/>

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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 2024/12/17



# 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	Manufactured
							Expiry	in
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	Cuprous oxide	2008/12/15 2026/10/26	Japan <input checked="" type="checkbox"/>	
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		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	Cuprous oxide	2008/12/15 2026/10/26	Japan <input checked="" type="checkbox"/>	
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others <input type="checkbox"/>	
00401	TAKATA QUANTUM CLASSIC	Light Brown, Dark Brown, Dark Red, Light Red, Blue	Self polishing hydrolysis type	1317-39-1	Cuprous oxide	2004/12/22 2025/12/12	Japan <input checked="" type="checkbox"/>	
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others <input type="checkbox"/>	
01704	TAKATA QUANTUM CLASSIC (R)	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide	2018/08/24 2027/06/21	Japan <input checked="" type="checkbox"/>	
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others <input type="checkbox"/>	
01828	TAKATA QUANTUM EV	Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide	2022/12/13 2025/12/12	Japan <input checked="" type="checkbox"/>	
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others <input type="checkbox"/>	
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	Cuprous oxide	2019/02/08 2027/12/17	Japan <input checked="" type="checkbox"/>	
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others <input type="checkbox"/>	
01729	TAKATA QUANTUM FB(M)	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide	2019/10/18 2025/08/18	Japan <input checked="" type="checkbox"/>	
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		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	Cuprous oxide	2019/02/08 2027/12/17	Japan <input checked="" type="checkbox"/>	
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others <input type="checkbox"/>	

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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 2024/12/17



## 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	Manufactured
							Expiry	in
01709	TAKATA QUANTUM FOCUS I	Light Brown, Dark Brown, Light Red, Dark Red	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2018/12/07	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/12/17	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	Cuprous oxide		2004/03/18	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/10/26	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	Cuprous oxide		2008/12/15	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/10/26	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	Cuprous oxide		2017/02/24	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/10/26	Others <input type="checkbox"/>
00145	TAKATA QUANTUM for FISHING VESSEL	Brown, Red, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2004/03/18	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/12/17	Others <input type="checkbox"/>
01855	TAKATA QUANTUM G1000	Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2024/06/21	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/06/21	Others <input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01856	TAKATA QUANTUM G2000	Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2024/06/21	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/06/21	Others <input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01857	TAKATA QUANTUM G3000	Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2024/06/21	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/06/21	Others <input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01814	TAKATA QUANTUM GX-2190N	Brown, Dark Brown	Self polishing type	1317-39-1	Cuprous oxide		2022/04/18	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/04/17	Others <input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			

[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 2024/12/17



## 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	Manufactured
							Expiry	in
01815	TAKATA QUANTUM GX-2200N	Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide	2022/04/18 2025/04/17	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01816	TAKATA QUANTUM GX-2233N	Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide	2022/04/18 2025/04/17	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
00385	TAKATA QUANTUM LLL	Light Brown, Dark Brown, Brown, Dark	Self polishing hydrolysis type	1317-39-1	Cuprous oxide	2004/12/22 2025/12/12	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		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	Cuprous oxide	2008/12/15 2025/12/12	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
01817	TAKATA QUANTUM MX-2120N	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide	2022/04/18 2025/04/17	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
01818	TAKATA QUANTUM MX-2145N	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide	2022/04/18 2027/12/17	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
00143	TAKATA QUANTUM ND	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide	2004/03/18 2027/12/17	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
01819	TAKATA QUANTUM ND	Brown G	Self polishing hydrolysis type	1317-39-1	Cuprous oxide	2022/04/18 2027/12/17	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01821	TAKATA QUANTUM ND	Light Brown K	Self polishing hydrolysis type	1317-39-1	Cuprous oxide	2022/06/17 2025/06/16	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
00402	TAKATA QUANTUM PLUS	Light Brown, Dark Brown, Blue, Red, Light Red, Dark Red	Self polishing hydrolysis type	1317-39-1	Cuprous oxide	2004/12/22 2025/12/12	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>

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\*Product name case is typed as on the application form.

This list was updated as of 2024/12/17



## 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	Manufactured
							Expiry	in
01426	TAKATA QUANTUM PLUS(R)	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2009/07/24	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/06/21	Others <input type="checkbox"/>
01862	TAKATA QUANTUM PLUS(R) ADVANCE	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2024/10/18	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/10/18	Others <input type="checkbox"/>
01705	TAKATA QUANTUM R5000	Brown, Dark Brown	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)-		2027/06/21	Others <input type="checkbox"/>
01706	TAKATA QUANTUM R8000	Brown, Dark Brown	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)-		2027/06/21	Others <input type="checkbox"/>
00400	TAKATA QUANTUM ULTRA	Light Brown, Dark Brown	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2004/12/22	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/12/12	Others <input type="checkbox"/>
01669	TAKATA QUANTUM X-mile 000	Brick, Maroon	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2017/06/16	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/06/15	Others <input type="checkbox"/>
01670	TAKATA QUANTUM X-mile 000 FB	Brick, Maroon	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2017/06/16	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/06/15	Others <input type="checkbox"/>
01491	TAKATA QUANTUM X-mile 001	Brick, Maroon	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2011/06/03	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/12/12	Others <input type="checkbox"/>
01492	TAKATA QUANTUM X-mile 002	Brick, Maroon, Blue	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2011/06/03	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/12/12	Others <input type="checkbox"/>
01493	TAKATA QUANTUM X-mile 003	Brick, Maroon, Brick R, Maroon R	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2011/06/03	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/04/20	Others <input type="checkbox"/>
01494	TAKATA QUANTUM X-mile 005	Brick, Maroon, Brick S, Maroon S	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2011/06/03	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/10/26	Others <input type="checkbox"/>
01495	TAKATA QUANTUM X-mile 006	Brick, Maroon, Blue, Brick S, Maroon S	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2011/06/03	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/12/17	Others <input type="checkbox"/>
01496	TAKATA QUANTUM X-mile 007	Brick, Maroon, Brick S, Maroon S	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2011/06/03	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/10/26	Others <input type="checkbox"/>

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\*Product name case is typed as on the application form.

This list was updated as of 2024/12/17





# 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	Manufactured
							Expiry	in
01708	TAKATA QUANTUM X-mile EV	Brick, Maroon	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2018/12/07	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/12/17	Others <input type="checkbox"/>
01666	TAKATA QUANTUM X-mile FB	Brick, Maroon, Brick R, Maroon R	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2017/06/16	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/06/21	Others <input type="checkbox"/>
01806	TAKATA QUANTUM X-mile MX-2046N	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)-		2027/06/21	Others <input type="checkbox"/>
01665	TAKATA QUANTUM X-mile ND	Brick, Maroon	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2017/06/16	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/06/15	Others <input type="checkbox"/>
01714	X-mile EV	Brick, Maroon	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2019/02/08	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/12/17	Others <input type="checkbox"/>
01715	X-mile EV FB	Brick, Maroon	Self polishing hydrolysis type	1317-39-1	Cuprous oxide		2019/02/08	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/12/17	Others <input type="checkbox"/>
01630	X-mile Premium 101	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"/>
01631	X-mile Premium 102	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"/>
01632	X-mile Premium 103	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"/>
01633	X-mile Premium 105	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)-		2027/12/17	Others <input type="checkbox"/>
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)-		2027/12/17	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)-		2027/12/17	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)-		2027/12/17	Others <input type="checkbox"/>

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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 2024/12/17



# 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	Manufactured in
							Expiry	
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)-		2027/06/21	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)-		2027/06/21	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)-			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 2024/12/17



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

Name of Manufacturer: KOBE PAINTS, LTD.

Aza Hyakuchobu, Rokubuichi, Inami-cho Kako-gun, HYOGO

\*Continuation process must be taken every 3 years for each system.

\*Registered Sytems Listed in alphabetical Order.

39 products registered as of 2024/12/17

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
01778	AGESHIO	White, Black, Blue, Red	Self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2021/03/04	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2027/02/15	Others <input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01777	AQUA ACE 3000 PLUS	White, Black, Blue, Red	Self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2021/03/04	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2027/02/15	Others <input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01331	CLEAN A/F 1000	Brown, Red	Conventional type	1317-39-1	Cuprous oxide		2009/04/03	Japan <input checked="" type="checkbox"/>
							2027/06/21	Others <input type="checkbox"/>
01503	KP ACE A/F ST 20	Light Brown, Brown, Black	Self polishing type	1317-39-1	Cuprous oxide		2011/10/14	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2025/04/17	Others <input type="checkbox"/>
01809	KP ACE A/F ST 7	Red Brown	Conventional type	1317-39-1	Cuprous oxide		2021/12/03	Japan <input checked="" type="checkbox"/>
							2027/12/17	Others <input type="checkbox"/>
01332	NEW PLACOAT	Red, Blue, Brown	Conventional type	1317-39-1	Cuprous oxide		2009/04/03	Japan <input checked="" type="checkbox"/>
							2027/06/21	Others <input type="checkbox"/>
01569	OCEAN PREMIER 1000	Light Red, Red, Blue	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2013/08/22	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2025/08/18	Others <input type="checkbox"/>
01780	OCEAN PREMIER 1000 PLUS	Purple N, Red N	Self polishing type	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2021/03/04	Japan <input checked="" type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2027/02/15	Others <input type="checkbox"/>
01781	OCEAN PREMIER 1000 PLUS H	Light Red, Red	Self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2021/03/04	Japan <input checked="" type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2027/02/15	Others <input type="checkbox"/>
01779	OCEAN PREMIER 200 PLUS	Light Red, Red	Self polishing type	1317-39-1	Cuprous oxide		2021/03/04	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/02/15	Others <input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			

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This list was updated as of 2024/12/17



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

Name of Manufacturer: KOBE PAINTS, LTD.

\*Continuation process must be taken every 3 years for each system.

\*Registered Systems 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	Manufactured
							Expiry	in
01790	OCEAN PREMIER 3000	Light Brown, Red	Self polishing type	1317-39-1	Cuprous oxide		2021/08/20	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/08/23	Others <input type="checkbox"/>
01783	OCEAN PREMIER 3000 PLUS	Light Brown, Red	Self polishing type	1317-39-1	Cuprous oxide		2021/03/04	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/02/15	Others <input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01791	OCEAN PREMIER 3000 PLUS 1	Light Brown, Red	Self polishing type	1317-39-1	Cuprous oxide		2021/08/20	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/08/23	Others <input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01792	OCEAN PREMIER 3000 PLUS 2	Light Brown, Red	Self polishing type	1317-39-1	Cuprous oxide		2021/08/20	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/08/23	Others <input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01637	OCEAN PREMIER 800 Z	Purple, Light Red, Red, Light Red N, Red N, Blue, Light Red H, Red H, Blue H, Light Brown H, Light Brown R, Red R	Self polishing 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)-		2025/08/18	Others <input type="checkbox"/>
01649	OCEAN-DYNA NEO	Light Red N2, Red N2	Self polishing type	1317-39-1	Cuprous oxide		2016/12/07	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/12/12	Others <input type="checkbox"/>
01621	OCEAN-DYNA NEO 500 Z	Light Red, Red	Self polishing type	1317-39-1	Cuprous oxide		2015/08/21	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/08/23	Others <input type="checkbox"/>
01647	OCEAN-DYNA NEO CF Z	Light Red, Red	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2016/08/26	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2025/08/18	Others <input type="checkbox"/>
01601	OCEAN-DYNA NEO FLAT Z	Light Red, Red	Self polishing type	1317-39-1	Cuprous oxide		2015/02/20	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/02/15	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 2024/12/17



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

Name of Manufacturer: KOBE PAINTS, 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	Manufactured
							Expiry	in
01808	OCEAN-DYNA NEO M1 PLUS	Light Brown, Brown	Self polishing type	1317-39-1	Cuprous oxide		2021/12/03	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2027/12/17	Others <input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01539	OCEAN-DYNA NEO SL	Light Brown, Brown, Light Brown H, Brown H	Self polishing type	1317-39-1	Cuprous oxide		2012/12/10	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/06/15	Others <input type="checkbox"/>
01599	OCEAN-DYNA NEO SL Z	Light Brown, Brown, Light Brown H, Brown H	Self polishing type	1317-39-1	Cuprous oxide		2015/02/20	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/06/15	Others <input type="checkbox"/>
01650	OCEAN-DYNA NEO Z	Light Red N2, Red N2	Self polishing type	1317-39-1	Cuprous oxide		2016/12/07	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/12/12	Others <input type="checkbox"/>
01807	OCEAN-DYNA NEO Z PLUS	Light Red, Red	Self polishing 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)-		2027/12/17	Others <input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01566	OCEAN-DYNA NEO-S	Light Red, Red	Self polishing type	1317-39-1	Cuprous oxide		2013/08/22	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/08/18	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01602	OCEAN-DYNA NEO-S Z	Light Red, Red, Red N, Brown	Self polishing type	1317-39-1	Cuprous oxide		2015/02/20	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/02/15	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01461	OYASHIO	Red	Self polishing type	1317-39-1	Cuprous oxide		2010/06/04	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/04/17	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01459	SOKOPEN	Red, Blue	Self polishing type	1317-39-1	Cuprous oxide		2010/06/04	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/04/17	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 2024/12/17



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

Name of Manufacturer: KOBE PAINTS, LTD.

\*Continuation process must be taken every 3 years for each system.

\*Registered Systems 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	Manufactured
							Expiry	in
01490	SUPER A/F 1000L	Light Brown, Brown, Dark Brown, Light Brown H, Brown H	Self polishing type	1317-39-1	Cuprous oxide		2011/06/03	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/06/15	Others <input type="checkbox"/>
01337	SUPER A/F 200 R	Red, Light Red	Self polishing type	1317-39-1	Cuprous oxide		2009/04/03	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/06/21	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01638	SUPER A/F 2000 A	Purple, Light Red, Red, Light Red N, Red N, Blue, Black (1st coat), Black (2nd coat), Light Red H, Red H, Blue H, Light Brown H, Light Brown R, Red R	Self polishing 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)-		2025/08/18	Others <input type="checkbox"/>
01340	SUPER A/F 2000 S	Red, Light Red	Self polishing type	1317-39-1	Cuprous oxide		2009/04/03	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/06/21	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01793	SUPER A/F 2200	Light Brown, Red	Self polishing type	1317-39-1	Cuprous oxide		2021/08/20	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/08/23	Others <input type="checkbox"/>
01452	SUPER A/F 500 HS	Purple, Light Red, Red, Light Red N, Red N	Self polishing type	1317-39-1	Cuprous oxide		2010/08/06	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/10/26	Others <input type="checkbox"/>
01453	SUPER A/F 500 M HS	Light Red, Red, Light Red N, Red N	Self polishing type	1317-39-1	Cuprous oxide		2010/08/06	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2026/10/26	Others <input type="checkbox"/>
01439	SUPER A/F 660 HS	Brown, Light Brown, Brown S, Light Brown S, Brown R, Light Brown R	Self polishing type	1317-39-1	Cuprous oxide		2009/11/20	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2025/08/18	Others <input type="checkbox"/>
01721	SUPER A/F 880 HS	Light Brown, Brown	Self polishing type	1317-39-1	Cuprous oxide		2019/04/19	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2025/04/17	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 2024/12/17



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

Name of Manufacturer: KOBE PAINTS, 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	Manufactured in
							Expiry	
01823	SUPER A/F 950 L	Light Brown, Brown	Self polishing type	1317-39-1	Cuprous oxide		2022/08/19	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/08/18	Others <input type="checkbox"/>
01810	SUPER A/F CF-10 L A	Light Red N, Red N	Self polishing type	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2021/12/03	Japan <input checked="" type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2027/12/17	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 2024/12/17



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

Name of Manufacturer: **NIPPON PAINT (COATINGS) PHILIPPINES, INC.**

#4 Hologram St, Light Industry Science Park, Cabuyao, Laguna, Philippines

\*Continuation process must be taken every 3 years for each system.

\*Registered Sytems Listed in alphabetical Order.

2 products registered as of 2024/12/17

Reg.No.	Name of anti-fouling system	Colour(s)	Type of anti-fouling system	CAS No.	Chemical name (IUPAC)	Dates of:	Registration	Manufactured
							Expiry	in
01839	BIOFLEX 800	RED BROWN (PH) D, GREEN (PH) D	Controlled Depletion Polymer Type	1317-39-1	Cuprous oxide	2023/12/15 2027/12/17	Japan	<input type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		Others	<input checked="" type="checkbox"/>
01840	ECOLOFLEX SPC200	LIGHT BROWN (PH) K, DARK BROWN (PH) K	Self polishing type	1317-39-1	Cuprous oxide	2023/12/15 2026/12/14	Japan	<input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input checked="" 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 2024/12/17





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

Name of Manufacturer: NIPPON PAINT MARINE COATINGS CO., LTD.  
2-1-2 Oyodo-kita, Kita-ku, Osaka-shi, OSAKA

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

66 products registered as of 2024/12/17

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
01605	A-LF-Sea 100 HS	Brown R, Light Brown R, Blue R	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		2015/04/17 2027/02/15	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01820	A-LF-Sea 100 HS	Oriental Blue, Carmine Red	Self polishing type	64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2022/04/18 2025/04/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01532	A-LF-Sea 150	Red Brown, Brown, Light Brown, Brown SK, Light Brown SK, Brown EK, Light Brown EK, Deep Red, Purple	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2012/10/12 2025/10/20	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>
01533	A-LF-Sea 250	Red Brown, Brown, Light Brown, Brown SK, Light Brown SK, Brown EK, Light Brown EK	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2012/10/12 2025/10/20	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>
01606	A-LF-Sea 300 HS	Blue R, Brown R, Light Brown R, Brown E, Light Brown E, Red IM, Maroon Z	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		2015/04/17 2025/10/20	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01731	A-LF-Sea 300 HS	Oriental Blue, Carmine Red	Self polishing type	64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2019/12/17 2026/06/15	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01553	A-LF-Sea 400	Brown, Red Brown, Light Brown	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2013/04/12 2027/10/18	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>
01534	A-LF-Sea 600	Brown, Red Brown, Light Brown, Blue, Brown E, Light Brown E, Brown EK, Light Brown EK	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2012/10/12 2027/06/21	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>

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\*Product name case is typed as on the application form.

This list was updated as of 2024/12/17



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

Name of Manufacturer: NIPPON PAINT MARINE COATINGS 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	Manufactured
							Expiry	in
01648	A-LF-Sea 600	Cocoa Brown, Dark Brown	Self polishing type	1317-39-1	Cuprous oxide	2016/10/14 2027/02/15	Japan	<input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01797	A-LF-Sea 600 Premium	Brown 1, Brown 2, Brown 3, Light Brown 1, Light Brown 2, Light Brown 3, Dark Brown 1, Dark Brown 2, Dark Brown 3	Self polishing type	1317-39-1	Cuprous oxide	2021/10/15 2026/12/14	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
01852	A-LF-Sea 600 Premium L	Brown1, Dark Brown1	Self polishing type	1317-39-1	Cuprous oxide	2024/08/23 2027/08/23	Japan	<input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01653	AQUATERRAS 1000	Brown, Light Brown, Blue	Biocide-free self polishing type			2016/12/07 2026/06/15	Japan	<input checked="" type="checkbox"/>
01837	AQUATERRAS 1000 PLUS	Brown, Light Brown	Biocide-free self polishing type	-	-	2023/06/16 2026/06/15	Japan	<input checked="" type="checkbox"/>
01654	AQUATERRAS 2000	Brown, Light Brown, Blue, Black	Biocide-free self polishing type			2016/12/07 2027/06/21	Japan	<input checked="" type="checkbox"/>
01848	AQUATERRAS 3100	Brown, Light Brown	Biocide-free self polishing type	-	-	2024/02/16 2027/02/15	Japan	<input checked="" type="checkbox"/>
01655	AQUATERRAS 6000	Brown, Light Brown, Blue, Black	Biocide-free self polishing type			2016/12/07 2027/10/18	Japan	<input checked="" type="checkbox"/>
01656	AQUATERRAS 8000	Brown, Light Brown, Blue, Black	Biocide-free self polishing type			2016/12/07 2027/06/21	Japan	<input checked="" type="checkbox"/>
01466	BIOFLEX 800	Brown C, Dark Brown C, Red Brown C, Red Brown D, Dark Brown D, Brown D	Controlled depletion polymer type	1317-39-1	Cuprous oxide	2010/08/06 2025/10/20	Japan	<input checked="" type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		Others	<input checked="" type="checkbox"/>

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This list was updated as of 2024/12/17

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.



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

Name of Manufacturer: NIPPON PAINT MARINE COATINGS 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	Manufactured
							Expiry	in
01568	BIOFLEX A/F	Red Oxide	Conventional type	1317-39-1	Cuprous oxide		2013/08/22 2027/02/15	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00252	BIOFLEX TECHNO	Red Brown	Ablative type	1317-39-1 13463-41-7 330-54-1	Cuprous oxide Zinc-2-pyridinethiol-1-oxide 3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2004/03/18 2025/10/20	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01676	DRAFT A/F Super	White, Black	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		2017/08/25 2027/02/15	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01325	ECOLOFLEX SPC 100FWR	Red Brown, Dark Brown, Brown C, Light Brown C	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2008/11/27 2025/10/20	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>
01249	ECOLOFLEX SPC 150HyB	Brown C, Light Brown C, Brown B, Light Brown B, Brown SK, Light Brown SK	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2008/01/30 2025/08/18	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>
01798	ECOLOFLEX SPC 600 HyB Premium	Brown 1, Brown 2, Brown 3, Light Brown 1, Light Brown 2, Light Brown 3, Dark Brown 1, Dark Brown 2, Dark Brown 3	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2021/10/15 2026/12/14	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01485	ECOLOFLEX SPC200	Light Brown K, Dark Brown K, Brown Z, Light Brown Z, Light Brown LF, Brown LF, Black Z	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2011/03/24 2027/02/15	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>
01102	ECOLOFLEX SPC250 HyB	CherryV, PlumV, Cherry SK, Plum SK, Cherry EK, Plum EK, Blue M	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2006/03/10 2025/10/20	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>

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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 2024/12/17



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

Name of Manufacturer: NIPPON PAINT MARINE COATINGS 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	Manufactured
							Expiry	in
00368	ECOLOFLEX SPC400	Cherry V	Self polishing type	1317-39-1	Cuprous oxide		2004/11/19	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2025/08/18	Others <input type="checkbox"/>
00370	ECOLOFLEX SPC600	Dark Brown, Red Brown, Cherry V, Plum V, Blue, Blue V, Green	Self polishing type	1317-39-1	Cuprous oxide		2004/11/19	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2025/10/20	Others <input type="checkbox"/>
01476	ECOLOFLEX SPC600	Cherry S, Red Brown S, Light Brown S	Self polishing type	1317-39-1	Cuprous oxide		2010/10/01	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/08/18	Others <input type="checkbox"/>
00371	ECOLOFLEX SPC600 HyB	Cherry F, Plum F, Red, Black, Green, Brown V, Black F	Self polishing type	1317-39-1	Cuprous oxide		2004/11/19	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/08/18	Others <input checked="" type="checkbox"/>
01657	ECOLOFLEX SPC600 HyB	Cocoa Brown	Self polishing type	1317-39-1	Cuprous oxide		2017/02/24	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/10/20	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01853	ECOLOFLEX SPC600 HyB Premium L	Brown1, Dark Brown1	Self polishing type	1317-39-1	Cuprous oxide		2024/08/23	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/08/23	Others <input type="checkbox"/>
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
00243	ECOLOFLEX SPC700	Cherry V, Plum V	Self polishing type	1317-39-1	Cuprous oxide		2004/03/18	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2025/10/20	Others <input type="checkbox"/>
00363	ECOLOSILK	Gray, White, Red, Black, Green, Signal Red, Blue	Biocide-free silicone type	-	-		2004/10/26	Japan <input checked="" type="checkbox"/>
							2026/02/16	Others <input type="checkbox"/>
01681	ECOLOSILK AXEL	MARIGOLD	Biocide-free silicone type				2017/12/04	Japan <input checked="" type="checkbox"/>
							2027/06/21	Others <input checked="" type="checkbox"/>
01845	FASTAR 600 H	Brown, Light Brown, Dark Brown	Self polishing type	1317-39-1	Cuprous oxide		2023/12/15	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/02/15	Others <input checked="" type="checkbox"/>
01846	FASTAR 600 M	Brown, Light Brown, Dark Brown	Self polishing type	1317-39-1	Cuprous oxide		2023/12/15	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/02/15	Others <input checked="" type="checkbox"/>

[NOTE] Registered products are recognised to be compliant with IMO "International Convention on the Control of Harmful Anti-fouling Systems on Ships".

This list was updated as of 2024/12/17

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.



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

Name of Manufacturer: NIPPON PAINT MARINE COATINGS 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	Manufactured
							Expiry	in
01737	FASTAR I	Red Brown, Dark Brown	Self polishing type	1317-39-1	Cuprous oxide		2020/02/21	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/02/15	Others <input checked="" type="checkbox"/>
01738	FASTAR II	Red Brown, Dark Brown	Self polishing type	1317-39-1	Cuprous oxide		2020/02/21	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/06/21	Others <input checked="" type="checkbox"/>
01739	FASTAR XI	Red Brown, Dark Brown	Self polishing type	1317-39-1	Cuprous oxide		2020/02/21	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/02/15	Others <input checked="" type="checkbox"/>
01740	FASTAR XII	Red Brown, Dark Brown, Red Brown N, Dark Brown N	Self polishing type	1317-39-1	Cuprous oxide		2020/02/21	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/06/21	Others <input checked="" type="checkbox"/>
01718	FUNEBIJIN MAX	Red, Blue	Self polishing type	1317-39-1	Cuprous oxide		2019/04/19	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/12/17	Others <input type="checkbox"/>
01609	HISOL 100	Brown F, Blue F, Light Brown R	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2015/04/17	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2027/02/15	Others <input type="checkbox"/>
01610	HISOL 300	Brown F, Light Brown R, Brown R	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2015/04/17	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2027/02/15	Others <input type="checkbox"/>
01800	HISOL FISHING BOAT	Neo Black, Neo Red	Self polishing type	1111-67-7	Cuprous Thiocyanate		2022/04/18	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2025/04/17	Others <input checked="" type="checkbox"/>
01326	JYUNPU	Red, Black, Blue	Self polishing type	1317-39-1	Cuprous oxide		2008/11/27	Japan <input checked="" type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2026/06/15	Others <input type="checkbox"/>
01608	LF-Sea 100 HS	Brown R, Light Brown R, Blue R, Brown E, Light Brown E	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2015/04/17	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2027/02/15	Others <input type="checkbox"/>
01640	LF-Sea 100 HS	Brown EX, Light Brown EX	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2016/06/17	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2025/08/18	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".

This list was updated as of 2024/12/17

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.



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

Name of Manufacturer: NIPPON PAINT MARINE COATINGS 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	Manufactured
							Expiry	in
01250	LF-Sea 150 HyB	Brown, light Brown, Brown K, Light Brown K, Brown SK, Light Brown SK, B Brown SK, B light Brown SK, B Brown, B Light Brown	Self polishing type	1317-39-1	Cuprous oxide	2008/01/30 2027/08/23	Japan <input checked="" type="checkbox"/>	Others <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
01228	LF-Sea 250 HyB	Cherry, Plum, Cherry SK, Plum SK	Self polishing type	1317-39-1	Cuprous oxide	2007/07/26 2027/02/15	Japan <input checked="" type="checkbox"/>	Others <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
01607	LF-Sea 300 HS	Brown R, Light Brown R, Blue R	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile	2015/04/17 2027/02/15	Japan <input checked="" type="checkbox"/>	Others <input type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide			
01244	LF-Sea 400 HyB	Cherry, Plum, Brown, Light Brown	Self polishing type	1317-39-1	Cuprous oxide	2007/12/10 2027/10/18	Japan <input checked="" type="checkbox"/>	Others <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
01226	LF-Sea 600 HyB	Cherry, Plum, Cherry D, Plum D, Blue D, Red, Blue, Cherry G, Plum G, Cherry J, Plum J	Self polishing type	1317-39-1	Cuprous oxide	2007/07/26 2027/08/23	Japan <input checked="" type="checkbox"/>	Others <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
01803	MARIART X NEO	Black, Gray, White	Self polishing type	1111-67-7	Cuprous Thiocyanate	2021/12/03 2027/10/18	Japan <input checked="" type="checkbox"/>	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01802	MASSIVE NEO	Red, Black, White, Gray	Self polishing type	1111-67-7	Cuprous Thiocyanate	2021/12/03 2025/06/16	Japan <input checked="" type="checkbox"/>	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
00246	NIPPE STRONG 7000	Cherry	Self polishing type	1317-39-1	Cuprous oxide	2004/03/18 2027/06/21	Japan <input checked="" type="checkbox"/>	Others <input type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide			
01854	OUTFITTING A/F Premium	Brown	Self polishing type	1317-39-1	Cuprous oxide	2024/08/23 2027/08/23	Japan <input checked="" type="checkbox"/>	Others <input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			
				86347-14-0	4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole			
01677	SEACHEST GUARD	Red	Self polishing type	1317-39-1	Cuprous oxide	2017/08/25 2026/06/15	Japan <input checked="" type="checkbox"/>	Others <input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-			

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\*Product name case is typed as on the application form.



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

Name of Manufacturer: NIPPON PAINT MARINE COATINGS 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	Manufactured
							Expiry	in
01642	SILYL A/F PAINT FOR SHIP'S BOOTTOP	Black	Self polishing type	1317-39-1	Cuprous oxide		2016/06/17	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/12/17	Others <input type="checkbox"/>
01641	SILYL A/F PAINT FOR SHIP'S BOTTOM	Red	Self polishing type	1317-39-1	Cuprous oxide		2016/06/17	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2027/12/17	Others <input type="checkbox"/>
01014	UNAGI TORYO ICHIBAN	Blue, Red, Retro Red	Self polishing type	1317-39-1	Cuprous oxide		2005/06/30	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2027/10/18	Others <input type="checkbox"/>
01799	UNAGI TORYO ICHIBAN	Neo Black	Self polishing type	1111-67-7	Cuprous Thiocyanate		2021/12/03	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2027/10/18	Others <input type="checkbox"/>
01801	UNAGI TORYO ICHIBAN AZAYAKA NEO	Blue, Red, White	Self polishing type	1111-67-7	Cuprous Thiocyanate		2021/12/03	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2027/10/18	Others <input type="checkbox"/>
01758	UNAGI TORYO ICHIBAN AZAYAKA RAINBOW	G-1, B-1, N-1, Y-1, Y-2, P-1, P-2, P-3, V-1, W-1	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2021/03/04	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2025/06/16	Others <input type="checkbox"/>
01555	UNAGI TORYO ICHIBAN AZAYAKA SUPER	Black, Red, Blue, White, Beetle Black, Venus White, Beetle Gray, K-line Gray, Light Green	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2013/06/18	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2027/12/17	Others <input checked="" type="checkbox"/>
							*Under continuation application.	
01570	UNAGI TORYO ICHIBAN LF-Sea	Blue, Red	Self polishing type	1317-39-1	Cuprous oxide		2013/10/11	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/06/16	Others <input type="checkbox"/>

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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 2024/12/17



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

Name of Manufacturer: PPG PMC JAPAN CO., LTD.

8F, Shintetsu Bldg., 1-1-1 Daikaidori, Hyogo-ku, Kobe-shi, HYOGO

\*Continuation process must be taken every 3 years for each system.

\*Registered Systems Listed in alphabetical Order.

30 products registered as of 2024/12/17

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
00083	Crown Color Sentei Toryou YS Musuzu	Red, Red Brown	Ablative type	12122-67-7	Zinc ethylenebis (dithiocarbamate)		2004/03/18	Japan <input checked="" type="checkbox"/>
				1317-39-1	Cuprous oxide		2027/12/17	Others <input type="checkbox"/>
00084	Crown Color Sentei Toryou YS Musuzu	Blue	Ablative type	1317-39-1	Cuprous oxide		2004/03/18	Japan <input checked="" type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2024/12/02	Others <input type="checkbox"/>
00081	Crown Super 243	Red, Black	Self polishing type	1317-39-1	Cuprous oxide		2004/03/18	Japan <input checked="" type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2026/06/15	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
00082	Crown Super 243	Red Brown	Self polishing type	1317-39-1	Cuprous oxide		2004/03/18	Japan <input checked="" type="checkbox"/>
				1897-45-6	2,4,5,6-Tetrachloroisophthalonitrile		2024/12/02	Others <input type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea			
00086	Marine Super TF-100	Red Brown	Ablative type	12122-67-7	Zinc ethylenebis (dithiocarbamate)		2004/03/18	Japan <input checked="" type="checkbox"/>
				1317-39-1	Cuprous oxide		2024/12/02	Others <input type="checkbox"/>
00087	Rabal A/F	Red Brown	Ablative type	1317-39-1	Cuprous oxide		2004/03/18	Japan <input checked="" type="checkbox"/>
							2024/12/02	Others <input type="checkbox"/>
01114	Sigma Alphagen 650	Redbrown, Brown	Self polishing type	1317-39-1	Cuprous oxide		2006/04/25	Japan <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2025/12/12	Others <input checked="" type="checkbox"/>
01025	Sigma Boatmax	Blue	Self polishing type	1317-39-1	Cuprous oxide		2005/09/01	Japan <input checked="" type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2026/06/15	Others <input type="checkbox"/>
01026	Sigma Boatmax	Red, Black	Self polishing type	1317-39-1	Cuprous oxide		2005/09/01	Japan <input checked="" type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2026/06/15	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01727	Sigma EcoFleet 270	Brown, Red Brown	Self polishing type	1317-39-1	Cuprous oxide		2019/08/09	Japan <input type="checkbox"/>
							2025/06/16	Others <input checked="" type="checkbox"/>

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This list was updated as of 2024/12/17





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

Name of Manufacturer: PPG PMC JAPAN 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	Manufactured
							Expiry	in
01513	Sigma EcoFleet 290S	Brown, Red Brown	Self-polishing type	12122-67-7	Zinc ethylenebis (dithiocarbamate)		2011/12/07	Japan <input type="checkbox"/>
				1317-39-1	Cuprous oxide		2026/10/26	Others <input checked="" type="checkbox"/>
00068	Sigma EcoFleet 530	Brown, Red Brown	Self polishing type	1317-39-1	Cuprous oxide		2004/06/21	Japan <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2025/10/20	Others <input checked="" type="checkbox"/>
01257	Sigma KAISEN M	New Red, New Blue	Self polishing type	64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2008/04/03	Japan <input checked="" type="checkbox"/>
				971-66-4	Pyridine-triphenylborane		2025/12/12	Others <input type="checkbox"/>
00079	Sigma MANKAI	Red, Red Brown	Ablative type	12122-67-7	Zinc ethylenebis (dithiocarbamate)		2004/03/18	Japan <input checked="" type="checkbox"/>
				1317-39-1	Cuprous oxide		2024/12/02	Others <input type="checkbox"/>
00080	Sigma MANKAI	Blue	Ablative type	1317-39-1	Cuprous oxide		2004/03/18	Japan <input checked="" type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2024/12/02	Others <input type="checkbox"/>
01558	Sigma Nexeon 710	Brown, Red Brown	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2013/10/11	Japan <input type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2025/06/16	Others <input checked="" type="checkbox"/>
01559	Sigma Nexeon 750	Brown, Red Brown, Light Grey	Self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2013/08/22	Japan <input type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2025/06/16	Others <input checked="" type="checkbox"/>
01829	Sigma Sailadvance DX (II)	Brown, Red Brown	Self polishing type	1317-39-1	Cuprous oxide		2022/12/13	Japan <input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/12/12	Others <input checked="" type="checkbox"/>
01697	Sigma Sailadvance GX	Brown, Red Brown	Self polishing type	12122-67-7	Zinc ethylenebis (dithiocarbamate)		2018/02/16	Japan <input type="checkbox"/>
				1317-39-1	Cuprous oxide		2025/10/20	Others <input checked="" type="checkbox"/>
01826	Sigma Sailadvance NX	Brown, Red Brown	Self polishing type	1317-39-1	Cuprous oxide		2022/10/21	Japan <input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/10/20	Others <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01663	Sigma Sailadvance RX	Brown, Red Brown	Self polishing type	12122-67-7	Zinc ethylenebis (dithiocarbamate)		2017/02/24	Japan <input type="checkbox"/>
				1317-39-1	Cuprous oxide		2025/10/20	Others <input checked="" type="checkbox"/>

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This list was updated as of 2024/12/17



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

Name of Manufacturer: PPG PMC JAPAN 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	Manufactured
							Expiry	in
00076	Sigma TAIKAI	Red	Self polishing type	1317-39-1	Cuprous oxide		2004/06/21	Japan <input checked="" type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2027/12/17	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
00077	Sigma TAIKAI	Red Brown	Self polishing type	1317-39-1	Cuprous oxide		2004/06/21	Japan <input checked="" type="checkbox"/>
				1897-45-6	2,4,5,6-Tetrachloroisophthalonitrile		2024/12/02	Others <input type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea			
01747	Sigmaglide 1290	Redbrown, Dark Blue, Black	Biocide-free silicone type				2020/07/29	Japan <input type="checkbox"/>
				2026/06/15	Others <input checked="" type="checkbox"/>			
01841	Sigmaglide 2390	Redbrown, blue, black, grey, white	Biocide-free silicone type				2023/10/27	Japan <input type="checkbox"/>
				2026/10/26	Others <input checked="" type="checkbox"/>			
00453	Sigmaglide 890	Clear, Redbrown, Blue, Black, Red	Biocide-free silicone type	-	-		2005/02/17	Japan <input type="checkbox"/>
							2025/10/20	Others <input checked="" type="checkbox"/>
01510	Sigmaglide 990	Dark Red, Dark Blue	Biocide-free silicone type	-	-		2011/12/07	Japan <input type="checkbox"/>
							2026/10/26	Others <input checked="" type="checkbox"/>
00071	Sigmaglide LSE Finish	Clear	Biocide-free silicone type	-	-		2004/06/21	Japan <input type="checkbox"/>
							2024/12/02	Others <input checked="" type="checkbox"/>
00085	Sigmaplane ECOL A/F HA (J)	Red Brown	Self polishing type	1317-39-1	Cuprous oxide		2004/03/18	Japan <input checked="" type="checkbox"/>
				1897-45-6	2,4,5,6-Tetrachloroisophthalonitrile		2024/12/02	Others <input type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea			
01842	Sigmarine 530	Redbrown, Brown, Black, Blue, Spruce Green	Self polishing type	1317-39-1	Cuprous oxide		2023/10/27	Japan <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2026/10/26	Others <input checked="" type="checkbox"/>

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This list was updated as of 2024/12/17



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

Name of Manufacturer: PT. Nipsea Paint and Chemicals  
 Jl Ancol Barat I/A5/C No. 12, Jakarta 14430, Indonesia

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

2 products registered as of 2024/12/17

Reg.No.	Name of anti-fouling system	Colour(s)	Type of anti-fouling system	CAS No.	Chemical name (IUPAC)	Dates of:	Registration	Manufactured
							Expiry	in
01850	BIOFLEX 800	Red Brown (IDN) D, Dark Brown (IDN) D, Brown (IDN) D	Controlled Depletion Polymer	1317-39-1	Cuprous oxide	2024/02/16 2027/02/15	Japan	<input type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		Others	<input checked="" type="checkbox"/>
01849	ECOLOFLEX SPC200	Light Brown (IDN) K, Dark Brown (IDN) K	Self polishing type	1317-39-1	Cuprous oxide	2024/02/16 2027/02/15	Japan	<input type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		Others	<input checked="" 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.



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

Name of Manufacturer: WAKO CO.,LTD.

2-1-13 Honkawa-cho, Naka-ku, Hiroshima-shi, HIROSHIMA

\*Continuation process must be taken every 3 years for each system.

\*Registered Sytems Listed in alphabetical Order.

5 products registered as of 2024/12/17

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
01525	ECO AF-E	Red, Light Red, Brown Red	Effluent Control Antifouling Paint	1317-39-1	Cuprous oxide		2012/08/03	Japan <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2027/06/21	Others <input checked="" type="checkbox"/>
01639	ECO AF-K	Blue 1	Effluent Control Antifouling Paint	1317-39-1	Cuprous oxide		2016/04/22	Japan <input type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2027/12/17	Others <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01524	ECO AF-S	Light Red, Brown Red	Effluent Control Antifouling Paint	1317-39-1	Cuprous oxide		2012/08/03	Japan <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2027/06/21	Others <input checked="" type="checkbox"/>
01528	ECO AF-Z	Red	Effluent Control Antifouling Paint	330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2012/06/01	Japan <input type="checkbox"/>
				971-66-4	Pyridine-triphenylborane		2027/06/21	Others <input checked="" type="checkbox"/>
01529	ECO AF-Z	Blue	Effluent Control Antifouling Paint	330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2012/06/01	Japan <input type="checkbox"/>
				971-66-4	Pyridine-triphenylborane		2027/06/21	Others <input checked="" 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 2024/12/17