



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

(2021 amendment)

Name of Manufacturer: CHUGOKU MARINE PAINTS, LTD.

16F, Toranomon Hills Station Tower, 2-6-1, Toranomon, Minato-ku, TOKYO

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

*Registered Sytems Listed in alphabetical Order.

81 products registered as of 2026/08/21

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
01523	APPARE	Red H, Light Red H, Blue H, Black H	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2012/01/27 2029/04/19	Japan ☒ Others ☐
01211	CMP BIOCLEAR HB	Light Grey, Red Brown, Light Grey S, Red Brown S, Black S, Dark Blue S	Biocide-free silicon type	-	-		2007/05/28 2028/08/21	Japan ☒ Others ☒
01746	CMP BIOCLEAR N	Light Grey	Biocide-free silicon type				2020/07/29 2029/04/19	Japan ☒ Others ☐
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 2027/12/17	Japan ☒ Others ☒
01643	CMP BIOCLEAR PLUS	Red Brown S	Foul Release Coatings	13463-41-7 14915-37-8	Zinc-2-pyridinethiol-1-oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2016/08/26 2028/02/21	Japan ☒ Others ☒
01213	CMP BIOCLEAR R	Light Grey, Red Brown, Black, Off White, Ruby Red	Biocide-free silicon type	-	-		2007/05/28 2028/04/17	Japan ☒ Others ☒
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 2029/06/18	Japan ☒ Others ☒
01484	CMP BIOCLEAR RS	Black	Biocide-free silicon type	-	-		2011/02/04 2028/04/17	Japan ☒ Others ☐
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	1317-39-1 330-54-1 64359-81-5	Cuprous oxide 3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2009/04/03 2027/02/15	Japan ☒ Others ☐
01597	MARINE STAR A	White I, Blue I, Red Brown I, Green I, Red I, Black I	Self polishing type	1111-67-7 13463-41-7 64359-81-5	Cuprous Thiocyanate Zinc-2-pyridinethiol-1-oxide 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2015/02/20 2029/08/20	Japan ☒ Others ☐

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

Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.

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

This list was updated as of 2026/08/21



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

(2021 amendment)

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 Expiry	Manufactured in
01519	NEW KAIO	Red H, Light Red H, Blue H, Black H	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2012/01/27 2029/04/19	Japan ☒ Others ☐
01522	NEW KAIO 200	Light Red, Red Brown	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		2012/01/27 2029/08/20	Japan ☒ Others ☐
01671	NEW KAIO 300	Red, Blue, Black	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		2017/06/16 2029/04/19	Japan ☒ Others ☐
00277	NEW KAMOME	Blue, Red	Conventional type	1317-39-1	Cuprous oxide		2004/05/21 2028/06/05	Japan ☒ Others ☐
01592	NEW MARINE GOLD	White III, Blue III, Red Brown III, Red III, Black III	Self polishing type	1111-67-7 13463-41-7 64359-81-5	Cuprous Thiocyanate Zinc-2-pyridinethiol-1-oxide 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2014/10/29 2029/08/20	Japan ☒ Others ☐
01564	NEW MARINE GOLD DX ALPHA	Red, Blue, 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		2013/08/22 2028/06/05	Japan ☒ Others ☐
00288	NEW MARINE GOLD DX CLEAR	Clear	Self polishing type	-	-		2004/05/21 2027/06/21	Japan ☒ Others ☐
01769	NEW MARINE GOLD DX PLUS	White, Blue, Green, Red, Black	Self polishing type	13463-41-7 64359-81-5 86347-14-0	Zinc-2-pyridinethiol-1-oxide 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/03/04 2027/02/15	Japan ☒ Others ☐
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 2029/08/20	Japan ☒ Others ☐
01725	NEW PELLER CLEAN PLUS FINISH R	Yellow	Biocide-free silicon type				2019/04/19 2027/12/17	Japan ☒ Others ☐

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

Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.

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

This list was updated as of 2026/08/21



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

(2021 amendment)

Name of Manufacturer: CHUGOKU MARINE 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 Expiry	Manufactured 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 ☒ Others ☐
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 2029/04/19	Japan ☒ Others ☒
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 ☒ Others ☒
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 ☒ Others ☐
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 ☒ Others ☒
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 2028/02/21	Japan ☒ Others ☐
01432	SEA GRANDPRIX 220 HS	Brown S, Light Brown S, Black S	Self polishing type	1317-39-1	Cuprous oxide		2009/11/20 2028/08/21	Japan ☒ Others ☒
01784	SEA GRANDPRIX 2200	Red, Light Brown, 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 2029/02/19	Japan ☒ Others ☒
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 ☒ Others ☒

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

Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.

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

This list was updated as of 2026/08/21



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

(2021 amendment)

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 Expiry	Manufactured in
01321	SEA GRANDPRIX 500 M HS	Red, Light Red, Light Red N, 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 2028/06/05	Japan ☒ Others ☒
01329	SEA GRANDPRIX 660 HS	Brown, Light Brown, Brown S, Light Brown S, Black S	Self polishing type	1317-39-1 64359-81-5	Cuprous oxide 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2009/01/20 2028/08/21	Japan ☒ Others ☒
01702	SEA GRANDPRIX 770 HS	Brown, Light Brown	Self polishing type	1317-39-1 64359-81-5	Cuprous oxide 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2018/06/15 2027/06/21	Japan ☒ Others ☒
01745	SEA GRANDPRIX 800 EX	Brown, Red	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2020/07/29 2027/06/21	Japan ☒ Others ☐
01625	SEA GRANDPRIX 880 HS	Light Brown, Brown	Self polishing type	1317-39-1 64359-81-5	Cuprous oxide 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2015/12/18 2028/06/05	Japan ☒ Others ☒
01759	SEA GRANDPRIX 880 HS PLUS	Brown, Light Brown, Brown A, Light Brown A	Self polishing type	1317-39-1 64359-81-5 86347-14-0	Cuprous oxide 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/03/04 2028/08/21	Japan ☒ Others ☒
01699	SEA GRANDPRIX 900 L	Brown, Light Brown	Self polishing type	1317-39-1 64359-81-5	Cuprous oxide 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2018/06/15 2027/06/21	Japan ☒ Others ☒
01698	SEA GRANDPRIX 950 L	Brown, Light Brown	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2018/06/15 2027/06/21	Japan ☒ Others ☒
01763	SEA GRANDPRIX CF-10 A	Blue N	Self polishing type	13463-41-7 86347-14-0	Zinc-2-pyridinethiol-1-oxide 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/03/04 2028/06/05	Japan ☒ Others ☒
01764	SEA GRANDPRIX CF-10 L A	Light Red N, Red N	Self polishing type	14915-37-8 86347-14-0	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/03/04 2028/06/05	Japan ☒ Others ☒
01768	SEA GRANDPRIX FBX PLUS	White II	Self polishing type	64359-81-5 86347-14-0	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/03/04 2027/02/15	Japan ☒ Others ☐
00291	SEA GRANDPRIX FRP	Light Red H	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2004/05/21 2027/06/21	Japan ☒ Others ☐

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

Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.

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

This list was updated as of 2026/08/21



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

(2021 amendment)

Name of Manufacturer: CHUGOKU MARINE 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 Expiry	Manufactured in
01552	SEA PREMIER 1000	Red, Light Red, Blue	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		2013/06/18 2028/02/21	Japan ☒ Others ☒
01762	SEA PREMIER 1000 PLUS	Red N, Purple N, Blue N, Green	Self polishing type	14915-37-8 86347-14-0	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/03/04 2027/02/15	Japan ☒ Others ☐
01761	SEA PREMIER 1000 PLUS H	Light Red, Red	Self polishing type	13463-41-7 86347-14-0	Zinc-2-pyridinethiol-1-oxide 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/03/04 2027/02/15	Japan ☒ Others ☐
01833	SEA PREMIER 1000 PLUS Z	Red, Light Red	Self polishing type	13463-41-7 86347-14-0	Zinc-2-pyridinethiol-1-oxide 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2023/02/17 2028/12/18	Japan ☒ Others ☐
01861	SEA PREMIER 200 PLUS	Red, Light Red	Self polishing type	1317-39-1 14915-37-8 86347-14-0	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2024/08/23 2027/08/23	Japan ☒ Others ☐
01785	SEA PREMIER 2000 PLUS	Brown, Red, Red R, Brown R	Self polishing type	1317-39-1 14915-37-8 86347-14-0	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/04/21 2027/02/15	Japan ☒ Others ☐
01796	SEA PREMIER 3000	Red, Light Brown, Black, Blue	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 ☒ Others ☐
01772	SEA PREMIER 3000 PLUS 1	Red, Light Brown, Blue	Self polishing type	1317-39-1 14915-37-8 86347-14-0	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/03/04 2029/02/19	Japan ☒ Others ☐
01773	SEA PREMIER 3000 PLUS 2	Red, Light Brown, Black	Self polishing type	1317-39-1 14915-37-8 86347-14-0	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/03/04 2029/02/19	Japan ☒ Others ☐
01462	SEA PREMIER 850	Red, Light Red	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2010/06/04 2027/08/23	Japan ☒ Others ☐

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

Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.

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

This list was updated as of 2026/08/21



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

(2021 amendment)

Name of Manufacturer: CHUGOKU MARINE 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 Expiry	Manufactured in
01674	SEA PREMIER CF Z	Red, Light Red	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 2029/04/19	Japan ☒ Others ☐
01591	SEAFLO NEO 500 Z	Red, Light Red, Brown, Light Brown	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2014/08/22 2029/08/20	Japan ☒ Others ☒
01766	SEAFLO NEO CF PREMIUM	Light Red, Red, Light Red S, Red S, Light Red R, Red R	Self polishing type	14915-37-8 86347-14-0	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/03/04 2028/06/05	Japan ☒ Others ☒
01788	SEAFLO NEO CF PREMIUM EX	Light Red R, Red R	Self polishing type	122454-29-9 14915-37-8 86347-14-0	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/07/06 2028/06/05	Japan ☒ Others ☒
01626	SEAFLO NEO CF Z	Red, Light Red	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		2015/12/18 2027/08/23	Japan ☒ Others ☒
01822	SEAFLO NEO CF Z	Light Red A, Red A	Self polishing type	122454-29-9 14915-37-8	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2022/06/17 2028/04/17	Japan ☒ Others ☒
01830	SEAFLO NEO CF Z SUPER	Red A	Self polishing type	122454-29-9 14915-37-8 86347-14-0	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2022/12/13 2028/10/16	Japan ☒ Others ☒
01776	SEAFLO NEO M1 PLUS	Light Brown, Brown	Self polishing type	1317-39-1 64359-81-5 86347-14-0	Cuprous oxide 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/03/04 2028/06/05	Japan ☒ Others ☒
01890	SEAFLO NEO M2	Brown, Light Brown	Self polishing type	1317-39-1 64359-81-5	Cuprous oxide 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2026/04/20 2029/04/19	Japan ☒ Others ☒

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

Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.

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

This list was updated as of 2026/08/21



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

(2021 amendment)

Name of Manufacturer: CHUGOKU MARINE 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 Expiry	Manufactured in
01884	SEAFLO NEO SL KZ	Brown, Light Brown	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/12/19 2028/12/18	Japan ☒ Others ☒
01812	SEAFLO NEO SL M	Brown, Light Brown	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2022/02/18 2028/06/05	Japan ☒ Others ☒
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 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2014/02/14 2027/12/17	Japan ☒ Others ☒
01770	SEAFLO NEO SL Z PLUS	Light Brown, Brown	Self polishing type	1317-39-1 14915-37-8 86347-14-0	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/03/04 2028/06/05	Japan ☒ Others ☒
01875	SEAFLO NEO SL ZX	Light Brown, Brown	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2025/04/18 2028/04/17	Japan ☒ Others ☒
01827	SEAFLO NEO SNF-S	Brown H, Light Brown H	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2022/10/21 2028/08/21	Japan ☒ Others ☐
01629	SEAFLO NEO Z	Red N2, Light Red N2	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2016/02/18 2027/08/23	Japan ☒ Others ☒
01760	SEAFLO NEO Z PLUS	Light Red, Red	Self polishing type	1317-39-1 14915-37-8 86347-14-0	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/03/04 2028/06/05	Japan ☒ Others ☒
01885	SEAFLO NEO-S KZ	Brown	Self polishing type	1317-39-1 14915-37-8 64359-81-5 86347-14-0	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2025/12/19 2028/12/18	Japan ☒ Others ☒

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

Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.

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

This list was updated as of 2026/08/21



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

(2021 amendment)

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 Expiry	Manufactured in
01771	SEAFLO NEO-S PREMIUM	Brown D	Self polishing type	1317-39-1 14915-37-8 64359-81-5 86347-14-0	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/03/04 2028/06/05	Japan ☒ Others ☒
01580	SEAFLO NEO-S Z	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		2014/02/14 2029/08/20	Japan ☒ Others ☒
01360	SEAJET 033	Shark White I, Blue I, Red I, Black I	Self polishing 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		2009/04/03 2029/08/20	Japan ☒ Others ☐
01789	SEAJET 033 PREMIUM	Blue I, Black I, Shark White I, Red I	Self polishing type	1317-39-1 330-54-1 64359-81-5 86347-14-0	Cuprous oxide 3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/07/06 2028/02/21	Japan ☒ Others ☐
01775	SEAJET 037	Pure White, Pure Black, Pure Red, Pure Blue	Self polishing type	13463-41-7 64359-81-5 86347-14-0	Zinc-2-pyridinethiol-1-oxide 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole		2021/03/04 2027/02/15	Japan ☒ Others ☐
01585	SEAJET 039	Ash Black H, Ash Blue H, Ash Grey H	Self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2014/04/11 2029/04/19	Japan ☒ Others ☐
01586	SEAJET 039	Ash Grey	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		2014/04/11 2028/08/21	Japan ☒ Others ☐
01487	SEATENDER 20	Brown, Light Brown, Black, Blue	Self polishing type	1317-39-1 64359-81-5	Cuprous oxide 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2011/03/24 2028/10/16	Japan ☒ Others ☒
01486	SEATENDER 7	Red Brown	Conventional type	1317-39-1	Cuprous oxide		2011/03/24 2028/10/16	Japan ☒ Others ☒

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

Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.

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

This list was updated as of 2026/08/21



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

(2021 amendment)

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 Expiry	Manufactured in
01813	TFA-10A	Red, Light Red, Black	Self polishing type	1317-39-1	Cuprous oxide		2022/02/18 2027/12/17	Japan ☒ Others ☒
01578	TFA-30	Silver White, Black, Red, Blue	Self polishing 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		2014/02/14 2028/06/05	Japan ☒ Others ☒
00263	VINYL AF	Red Brown	Conventional type	1317-39-1	Cuprous oxide		2004/05/21 2027/08/23	Japan ☒ Others ☐

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

Other properties of registered products, such as Anti-fouling performance or safety properties, are not recognized.

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

This list was updated as of 2026/08/21