

**JPMA List of Registered Organotin-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 Systems Listed in alphabetical Order.

85 products registered as of 2018/06/15

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	Blue, Red, Light Red, Black	Organotin-free 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)-	2020/11/01	Others <input type="checkbox"/>
00264	BISCON AF	Red Brown	Organotin free conventional type	1317-39-1	Cuprous oxide	2004/05/21 2018/12/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01675	CMP BIOCLEAR FLEX	Red Brown	Foul Release Coating	13463-41-7	Zinc-2-pyridinethiol-1-oxide	2017/08/25	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2020/08/24	Others <input type="checkbox"/>
01211	CMP BIOCLEAR HB	Light Grey, Red Brown, Black	Biocide-free silicon type	-	-	2007/05/28 2018/10/15	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01571	CMP BIOCLEAR MARKING	Black	Biocide-free silicon type	-	-	2013/12/03 2019/10/14	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01577	CMP BIOCLEAR PLUS	Black	Foul Release Coating	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2014/02/14 2020/06/15	Japan <input checked="" type="checkbox"/> 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)-	2019/08/26	Others <input checked="" type="checkbox"/>
01213	CMP BIOCLEAR R	Light Grey, Red Brown	Biocide-free silicon type	-	-	2007/05/28 2019/10/14	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01678	CMP BIOCLEAR R PLUS	Red Brown	Foul Release Coating	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2017/11/02 2020/11/01	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01484	CMP BIOCLEAR RS	Black	Biocide-free silicon type	-	-	2011/02/04 2019/10/14	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01646	CMP BIOCLEAR UNDERCOAT PLUS	Plum 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)-	2019/08/26	Others <input checked="" type="checkbox"/>
00205	DSP K 5011 Anti-Fouling Paint Chlorinated Rubber Resin Base For Ship's Boot Topping	Black	Organotin free conventional type	1317-39-1	Cuprous oxide	2004/05/21 2018/12/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00204	DSP K 5011 Anti-Fouling Paint Chlorinated Rubber Resin Base For Ship's Bottom	Brown	Organotin free conventional type	1317-39-1	Cuprous oxide	2004/03/18 2018/12/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>

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00258	Long Life Anti-Fouling For Sub Marine	Black	Organotin free conventional type	1317-39-1	Cuprous oxide		2004/05/21	Japan <input checked="" type="checkbox"/>
				330-54-1	3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2018/12/17	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01365	MARINE STAR 30G	Green I, Blue I, Red Brown I, Silver White I, Red I	Organotin-free 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		2019/12/07	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	Organotin-free self polishing type	1111-67-7	Cuprous Thiocyanate		2015/02/20	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2021/02/15	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01519	NEW KAIO	Red, Light Red, Blue	Organotin-free 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)-		2020/11/01	Others <input type="checkbox"/>
01522	NEW KAIO 200	Red, Light Red, Red Brown, Blue	Organotin-free 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)-		2020/11/01	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01671	NEW KAIO 300	Red, Blue, Black	Organotin-free 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)-		2020/06/15	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
00277	NEW KAMOME	Blue, Red	Organotin free conventional type	1317-39-1	Cuprous oxide		2004/05/21	Japan <input checked="" type="checkbox"/>
							2019/12/07	Others <input type="checkbox"/>
01592	NEW MARINE GOLD	White III, Blue III, Red Brown III, Green III, Red III, Black III	Organotin-free self polishing type	1111-67-7	Cuprous Thiocyanate		2014/10/29	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2020/11/01	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
00287	NEW MARINE GOLD DX	White	Organotin-free self polishing type	971-66-4	Pyridine-triphenylborane		2004/06/21	Japan <input checked="" type="checkbox"/>
							2018/10/15	Others <input type="checkbox"/>
01368	NEW MARINE GOLD DX	Blue II, Red Brown II, Green II, Red II, Black II	Organotin-free self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2009/04/03	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2019/12/07	Others <input type="checkbox"/>
				971-66-4	Pyridine-triphenylborane			
01564	NEW MARINE GOLD DX ALPHA	Red, Blue, Black	Organotin-free 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		2019/12/07	Others <input type="checkbox"/>

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00288	NEW MARINE GOLD DX CLEAR	Clear	Organotin-free self polishing type	-	-	2004/05/21 2018/10/15	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>	
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 2021/02/15	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>	
01620	SCREW AF COASTAL	Yellow Brown	Foul Release Coating	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2015/08/21 2021/06/14	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>	
01475	SEA GRAND PRIX 500	Light Red, Red	Organotin-free self polishing type	1317-39-1 13463-41-7	Cuprous oxide Zinc-2-pyridinethiol-1-oxide	2010/08/06 2019/04/22	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>	
00206	SEA GRANDPRIX 1000	Purple, Dark Red, Red, Light Red, Blue	Organotin-free self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2004/06/21 2020/06/15	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	Organotin-free self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2010/06/04 2020/02/24	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>	
01255	SEA GRANDPRIX 200 R	Red, Light Red, Ogi Colour	Organotin-free 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 2021/06/14	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>	
00274	SEA GRANDPRIX 2000	Light Red, Red, Purple, Blue, Light Red K, Red K, Blue K, Black K, Red H, Light Red H, Blue H	Organotin-free self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2004/05/21 2020/02/24	Japan <input checked="" type="checkbox"/> Others <input checked="" 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	Organotin-free self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-	2015/06/19 2020/02/24	Japan <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>	
01254	SEA GRANDPRIX 2000 S	Light Red, Red	Organotin-free 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 2019/08/26	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>	

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01658	SEA GRANDPRIX 220 HS	Brown R, Light Brown R	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2017/02/24	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2020/02/24	Others <input checked="" type="checkbox"/>
01432	SEA GRANDPRIX 220 HS	Brown, Light Brown, Brown S, Light Brown S	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2009/11/20	Japan <input checked="" type="checkbox"/>
							2020/06/15	Others <input checked="" type="checkbox"/>
01319	SEA GRANDPRIX 330 HS	Brown, Light brown	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2008/11/27	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2021/06/14	Others <input checked="" type="checkbox"/>
00209	SEA GRANDPRIX 500	Red, Light Red, Purple	Organotin-free 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)-		2018/10/15	Others <input checked="" type="checkbox"/>
00267	SEA GRANDPRIX 500	Green	Organotin-free 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)-		2018/10/15	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01320	SEA GRANDPRIX 500 HS	Red, Light Red, Purple, Red N, Light Red N	Organotin-free 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)-		2018/12/17	Others <input checked="" type="checkbox"/>
01321	SEA GRANDPRIX 500 M HS	Red, Light Red, Red K, Light Red K, Light Red N, Red N	Organotin-free 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)-		2020/06/15	Others <input checked="" type="checkbox"/>
01329	SEA GRANDPRIX 660 HS	Brown, Light Brown, Brown S, Light Brown S, Brown R, Light Brown R	Organotin-free 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		2021/06/14	Others <input checked="" type="checkbox"/>
01702	SEA GRANDPRIX 770 HS	Brown, Light Brown	Organotin-free 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		2021/06/14	Others <input checked="" type="checkbox"/>
01625	SEA GRANDPRIX 880 HS	Light Brown, Brown	Organotin-free 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		2018/12/17	Others <input checked="" type="checkbox"/>
01446	SEA GRANDPRIX 900 HS	Red, Light Red, Purple, Red N, Light Red N	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2010/01/22	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2019/02/17	Others <input checked="" type="checkbox"/>
				731-27-1	Methanesulfenamide, 1,1-dichloro-N-((dimethylamino) sulfonyl)-1-fluoro-N-(4-methylphenyl)			
01699	SEA GRANDPRIX 900 L	Brown, Light Brown	Organotin-free 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		2021/06/14	Others <input checked="" type="checkbox"/>

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01698	SEA GRANDPRIX 950 L	Brown, Light Brown	Organotin-free 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)-		2021/06/14	Others <input checked="" type="checkbox"/>
01154	SEA GRANDPRIX CF 10 L M EU	Red K, Light Red K	Organotin-free self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2007/01/25	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2021/02/15	Others <input checked="" type="checkbox"/>
01155	SEA GRANDPRIX CF SUPER	Light Red, Red	Organotin-free self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2007/01/25	Japan <input checked="" type="checkbox"/>
				971-66-4	Pyridine-triphenylborane		2018/10/15	Others <input checked="" type="checkbox"/>
00210	SEA GRANDPRIX CF-10	Red, Light Red, Purple	Organotin-free self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2004/05/21	Japan <input checked="" type="checkbox"/>
				971-66-4	Pyridine-triphenylborane		2019/02/17	Others <input checked="" type="checkbox"/>
01480	SEA GRANDPRIX CF-10	K-LINE Grey	Organotin-free self polishing type	971-66-4	Pyridine-triphenylborane		2010/12/17	Japan <input checked="" type="checkbox"/>
							2019/10/14	Others <input checked="" type="checkbox"/>
01150	SEA GRANDPRIX CF-10 L	Purple, Light Red, Red	Organotin-free self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2007/01/25	Japan <input checked="" type="checkbox"/>
				971-66-4	Pyridine-triphenylborane		2018/10/15	Others <input checked="" type="checkbox"/>
01239	SEA GRANDPRIX CF-10 L A	Light Red, Red	Organotin-free self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2007/09/21	Japan <input checked="" type="checkbox"/>
				971-66-4	Pyridine-triphenylborane		2019/04/22	Others <input checked="" type="checkbox"/>
00266	SEA GRANDPRIX FBX KAI	White	Organotin-free self polishing type	971-66-4	Pyridine-triphenylborane		2004/05/21	Japan <input checked="" type="checkbox"/>
							2018/10/15	Others <input type="checkbox"/>
01590	SEA GRANDPRIX FBX KAI	Blue I 737	Organotin-free self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2014/06/13	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2020/04/13	Others <input type="checkbox"/>
				731-27-1	Methanesulfenamide, 1,1-dichloro-N-((dimethylamino) sulfonyl)-1-fluoro-N-(4-methylphenyl)			
				971-66-4	Pyridine-triphenylborane			
00291	SEA GRANDPRIX FRP	Light Red	Organotin-free 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)-		2018/10/15	Others <input type="checkbox"/>
01550	SEA GRANDPRIX MARK II	Brown, Light Brown, Brown K, Light Brown K	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2013/02/15	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2020/06/15	Others <input checked="" type="checkbox"/>
01552	SEA PREMIER 1000	Red, Light Red, Blue	Organotin-free 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		2019/04/22	Others <input type="checkbox"/>

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01417	SEA PREMIER 200	Red, Light Red	Organotin-free self polishing 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)-		2021/06/14	Others <input type="checkbox"/>
				28159-98-0	2-methylthio-4-tert-butylamino-6-cyclopropylamino-s-triazine			
01456	SEA PREMIER 450	Red, Light Red	Organotin-free self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2010/03/19	Japan <input checked="" type="checkbox"/>
				971-66-4	Pyridine-triphenylborane		2018/12/17	Others <input type="checkbox"/>
01449	SEA PREMIER 800	Red, Light Red, Purple, Red N, Light Red N, Blue, Red H, Light Red H, Blue H	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2010/03/19	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2020/02/24	Others <input type="checkbox"/>
01617	SEA PREMIER 800 Z	Light Red, Red, Purple, Blue, Light Red N, Red N, Red H, Light Red H, Blue H	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2015/06/19	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2020/02/24	Others <input type="checkbox"/>
01462	SEA PREMIER 850	Red, Light Red	Organotin-free 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)-		2019/02/17	Others <input type="checkbox"/>
01674	SEA PREMIER CF Z	Light Red, Red	Organotin-free self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2017/08/25	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2020/08/24	Others <input type="checkbox"/>
01464	SEAFLO NEO	Red, Light Red, Red N, Light Red N	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2010/06/04	Japan <input checked="" type="checkbox"/>
				28159-98-0	2-methylthio-4-tert-butylamino-6-cyclopropylamino-s-triazine		2019/10/14	Others <input checked="" type="checkbox"/>
01628	SEAFLO NEO	Red N2, Light Red N2	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2016/02/18	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2019/02/17	Others <input checked="" type="checkbox"/>
01591	SEAFLO NEO 500 Z	Red, Light Red	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2014/08/22	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2020/11/01	Others <input checked="" type="checkbox"/>
01626	SEAFLO NEO CF Z	Red, Light Red	Organotin-free self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2015/12/18	Japan <input checked="" type="checkbox"/>
				13463-41-7	Zinc-2-pyridinethiol-1-oxide		2018/12/17	Others <input checked="" type="checkbox"/>
01488	SEAFLO NEO FLAT	Light Red, Red	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2011/03/24	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2020/02/24	Others <input checked="" type="checkbox"/>

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

This list was updated on 2018/06/15

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JPMA List of Registered Organotin-free Anti-fouling Systems

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	Manufactured
							Expiry	in
01506	SEAFLO NEO SL	Brown, Light Brown, Brown K, Light Brown K, Blue, Grey, Brown H, Light Brown H	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2011/10/14	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2020/02/24	Others <input checked="" type="checkbox"/>
01579	SEAFLO NEO SL Z	Brown, Light Brown, Brown K, Light Brown K, Brown H, Light Brown H	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2014/02/14	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2020/02/24	Others <input checked="" type="checkbox"/>
01561	SEAFLO NEO Z	Red, Light Red, Red N, Light Red N	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2013/08/22	Japan <input checked="" type="checkbox"/>
				28159-98-0	2-methylthio-4-tert-butylamino-6-cyclopropylamino-s-triazine		2019/10/14	Others <input checked="" type="checkbox"/>
01629	SEAFLO NEO Z	Red N2, Light Red N2	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2016/02/18	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2019/02/17	Others <input checked="" type="checkbox"/>
01551	SEAFLO NEO-S	Red, Light Red, Blue, Red N, Brown	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2013/02/15	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2020/11/01	Others <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01580	SEAFLO NEO-S Z	Red, Light Red, Red N, Brown	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2014/02/14	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2020/11/01	Others <input checked="" type="checkbox"/>
				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	Organotin-free 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		2021/02/15	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
01659	SEAJET 034	VIVID WHITE I	Organotin-free self polishing type	971-66-4	Pyridine-triphenylborane		2017/02/24	Japan <input checked="" type="checkbox"/>
							2020/02/24	Others <input type="checkbox"/>
01660	SEAJET 034	Blue, Red, VIVID BLACK I	Organotin-free self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2017/02/24	Japan <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2020/02/24	Others <input type="checkbox"/>
				971-66-4	Pyridine-triphenylborane			
01565	SEAJET 037	White, Black	Organotin-free 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		2019/06/17	Others <input type="checkbox"/>

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JPMA List of Registered Organotin-free Anti-fouling Systems

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	Manufactured
							Expiry	in
01585	SEAJET 039	Ash Black, Ash Blue	Organotin-free 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)-		2020/02/24	Others <input type="checkbox"/>
01586	SEAJET 039	Ash Grey	Organotin-free 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)-		2020/02/24	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	Organotin-free 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		2020/04/13	Others <input type="checkbox"/>
01486	SEATENDER 7	Red Brown	Organotin-free conventional type	1317-39-1	Cuprous oxide		2011/03/24	Japan <input checked="" type="checkbox"/>
01578	TFA-30	Silver white, Black, Red, Blue	Organotin-free 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		2019/12/07	Others <input checked="" type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
00263	VINYL AF	Red Brown	Organotin free conventional type	1317-39-1	Cuprous oxide		2004/05/21	Japan <input checked="" type="checkbox"/>
							2018/12/17	Others <input type="checkbox"/>

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