



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

22 products registered as of 2017/08/25

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 2019/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01207	KANAE PORT A/F #7000AL KAI	Red, Red Brown, Brown, Light Brown, Blue, 808Blue	Organotin-free self polishing type	13463-41-7 971-66-4	Zinc-2-pyridinethiol-1-oxide Pyridine-triphenylborane		2007/05/28 2019/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01574	KANAE PORT A/F #5000msKAI	Red N, Brown N	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		2014/02/14 2020/02/24	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01587	KANAE PORT A/F #7000 AL-SP	Red, Brown, Blue, Black	Organotin-free self polishing type	122454-29-9 13167-25-4 137-30-4	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile N-(2,4,6-Trichlorophenyl) maleimide Zinc dimethyl dithiocarbamate		2014/06/13 2020/06/15	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
01573	KANAE PORT A/F #7000B KAI	Red N, Brown N, 808Blue N	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		2014/02/14 2020/02/24	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00005	KANAE PORT A/F CLEAN #1000	Brown	Organotin-free ablative type	1317-39-1 330-54-1	Cuprous oxide 3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2004/03/18 2019/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00010	KANAE PORT A/F CLEAN #2000 HD	Redbrown, Brown	Organotin-free ablative type	1317-39-1 28159-98-0 330-54-1	Cuprous oxide 2-methylthio-4-tert-butylamino-6-cyclopropylamino-s-triazine 3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2004/03/18 2019/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00013	KANAE PORT A/F CLEAN #4000	Redbrown, Brown	Organotin-free ablative type	1317-39-1 28159-98-0 330-54-1	Cuprous oxide 2-methylthio-4-tert-butylamino-6-cyclopropylamino-s-triazine 3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea		2004/03/18 2019/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00016	KANAE PORT A/F CLEAN #5000 M	White	Organotin-free self polishing type	28159-98-0 971-66-4	2-methylthio-4-tert-butylamino-6-cyclopropylamino-s-triazine Pyridine-triphenylborane		2004/03/18 2019/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>
00014	KANAE PORT A/F CLEAN #5000 N-10	Red,Brown	Organotin-free self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2004/03/18 2019/02/17	Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/>

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

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

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

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							Expiry	in
01603	KNAE PORT G	Red N, Blue N, Black N	Organotin-free self polishing type	1317-39-1	Cuprous oxide		2015/04/17	Japan <input checked="" type="checkbox"/>
				14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2018/04/16	Others <input type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
00003	KR-A/F N	Brown, D Brown	Organotin-free conventional type	1317-39-1	Cuprous oxide		2004/03/18	Japan <input checked="" type="checkbox"/>
							2018/10/15	Others <input type="checkbox"/>
00002	KR-A/F NB BROWN	Brown	Organotin-free 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		2019/02/17	Others <input type="checkbox"/>
00004	KT VINYL A/F D	Brown	Organotin-free conventional type	1317-39-1	Cuprous oxide		2004/03/18	Japan <input checked="" type="checkbox"/>
							2019/02/17	Others <input type="checkbox"/>
01588	NEW PORT AL-SP	Red, Brown, Blue Black	Organotin-free self polishing type	122454-29-9	4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile		2014/06/13	Japan <input checked="" type="checkbox"/>
				13167-25-4	N-(2,4,6-Trichlorophenyl) maleimide		2020/06/15	Others <input type="checkbox"/>
				137-30-4	Zinc dimethyl dithiocarbamate			
01572	NEW TAIRYO	Red N, Brown N, Blue N	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 type="checkbox"/>
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one			
00056	SEA HAWK	Green	Organotin-free self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2004/03/18	Japan <input checked="" type="checkbox"/>
				137-30-4	Zinc dimethyl dithiocarbamate		2019/02/17	Others <input type="checkbox"/>
				28159-98-0	2-methylthio-4-tert-butylamino-6-cyclopropylamino-s-triazine			
				971-66-4	Pyridine-triphenylborane			
01028	SEA HAWK #1000 H	Red, Red Brown, Brown, Light Brown, Blue, 808Blue	Organotin-free self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2005/11/14	Japan <input checked="" type="checkbox"/>
				971-66-4	Pyridine-triphenylborane		2019/02/17	Others <input type="checkbox"/>
00048	SUPER TAIRYO	Red, Brown, Blue, Green, Black	Organotin-free self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide		2004/03/18	Japan <input checked="" type="checkbox"/>
				137-30-4	Zinc dimethyl dithiocarbamate		2019/02/17	Others <input type="checkbox"/>
				28159-98-0	2-methylthio-4-tert-butylamino-6-cyclopropylamino-s-triazine			
				971-66-4	Pyridine-triphenylborane			

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							Expiry	in
00050	SUPER TAIRYO B/T	White	Organotin-free self polishing type	28159-98-0	2-methylthio-4-tert-butylamino-6-cyclopropylamino-s-triazine	2004/03/18 2019/02/17	Japan <input checked="" type="checkbox"/>	
				971-66-4	Pyridine-triphenylborane		Others <input type="checkbox"/>	
01033	SUPER TAIRYO DX	Red, Brown, Blue, Green, Black	Organotin-free self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide	2005/11/14 2019/02/17	Japan <input checked="" type="checkbox"/>	
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		Others <input type="checkbox"/>	
				971-66-4	Pyridine-triphenylborane			
01195	SUPER TAIRYO No. 1	Red, Brown, Blue, Green, Black	Organotin-free self polishing type	13463-41-7	Zinc-2-pyridinethiol-1-oxide	2007/05/28 2019/02/17	Japan <input checked="" type="checkbox"/>	
				64359-81-5	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		Others <input type="checkbox"/>	
				971-66-4	Pyridine-triphenylborane			

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