



JPMA List of Registered Organotin-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.

15 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
01581	HEMPAGUARD X5 89700	Red	Organotin-free hybrid type	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2014/04/11 2020/02/24	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01582	HEMPAGURAD X7 89900	Red, Black	Organotin-free hybrid type	14915-37-8	Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2014/04/11 2020/02/24	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01627	HEMPASIL X3+ 87500	Grey (15150), Black (19990), Blue (30170), Green (47560), Red (59151)	Biocide free, fouling release type	-	-		2016/04/22 2019/04/22	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01611	HEMPEL'S ANTIFOULING OLYMPIC FB+ 7295B	51110 (red)	Organotin-free self polishing type	12122-67-7 1317-39-1	Zinc ethylenebis (dithiocarbamate) Cuprous oxide		2015/06/19 2018/06/18	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01594	HEMPEL'S ANTIFOULING BASIC 71950	51110 (red), 60600 (brown)	Organotin-free self polishing type	12122-67-7 1317-39-1	Zinc ethylenebis (dithiocarbamate) Cuprous oxide		2015/02/20 2018/02/19	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01596	HEMPEL'S ANTIFOULING DYNAMIC 8000 79450	51110 (red), 60600 (brown)	Organotin-free, hydrolysing SPC	12122-67-7 1317-39-1 14915-37-8	Zinc ethylenebis (dithiocarbamate) Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2015/02/20 2018/02/19	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01547	HEMPEL'S ANTIFOULING GLOBIC 6000, 75950	Brown 60600, Red 51110	Organotin-free self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2013/02/15 2019/02/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01595	HEMPEL'S ANTIFOULING GLOBIC 8000 78550	51110 (red), 60600 (brown)	Organotin-free, hydrolysing SPC	12122-67-7 1317-39-1 14915-37-8	Zinc ethylenebis (dithiocarbamate) Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2015/02/20 2018/02/19	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01548	HEMPEL'S ANTIFOULING GLOBIC 9000, 78900	Black 19990, Blue 30170, Brown 60600, Red 51110	Organotin-free self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2013/02/15 2019/02/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01549	HEMPEL'S ANTIFOULING GLOBIC 9000, 78950	Black 19990, Blue 30170, Brown 60600, Red 51110	Organotin-free self polishing type	1317-39-1 14915-37-8	Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)-		2013/02/15 2019/02/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
01672	HEMPEL'S ANTIFOULING GLOBIC 9500 M 78954	51110 (red), 60600 (brown)	Organotin-free, hydrolyzing NAT	12122-67-7 1317-39-1 14915-37-8 64359-81-5	Zinc ethylenebis (dithiocarbamate) Cuprous oxide Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one		2017/06/16 2020/06/15	Japan <input type="checkbox"/> 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 on 2017/08/25

Page 1/ HEMPEL A/S



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							Expiry	in
01545	HEMPEL'S ANTIFOULING OCEANIC+, 73900	Black 19990, Blue 30170, Brown 60600, Green 42650, Red 51110	Organotin-free self polishing type	12122-67-7	Zinc ethylenebis (dithiocarbamate)	2013/02/15 2019/02/17	Japan <input type="checkbox"/>	
				1317-39-1	Cuprous oxide		Others <input checked="" type="checkbox"/>	
				28159-98-0	2-methylthio-4-tert-butylamino-6-cyclopropylamino-s-triazine			
01546	HEMPEL'S ANTIFOULING OCEANIC+, 73950	Black 19990, Blue 30170, Brown 60600, Green 42650, Red 51110	Organotin-free self polishing type	12122-67-7	Zinc ethylenebis (dithiocarbamate)	2013/02/15 2019/02/17	Japan <input type="checkbox"/>	
				1317-39-1	Cuprous oxide		Others <input checked="" type="checkbox"/>	
				28159-98-0	2-methylthio-4-tert-butylamino-6-cyclopropylamino-s-triazine			
01543	HEMPEL'S ANTIFOULING OLYMPIC+, 72900	Black 19990, Blue 30170, Brown 60600, Red 51110	Organotin-free self polishing type	12122-67-7	Zinc ethylenebis (dithiocarbamate)	2013/02/15 2019/02/17	Japan <input type="checkbox"/>	
				1317-39-1	Cuprous oxide		Others <input checked="" type="checkbox"/>	
01544	HEMPEL'S ANTIFOULING OLYMPIC+, 72950	Black 19990, Blue 30170, Brown 60600, Red 51110	Organotin-free self polishing type	12122-67-7	Zinc ethylenebis (dithiocarbamate)	2013/02/15 2019/02/17	Japan <input type="checkbox"/>	
				1317-39-1	Cuprous oxide		Others <input checked="" type="checkbox"/>	

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Page 2/ HEMPEL A/S