

**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 Systems Listed in alphabetical Order.

30 products registered as of 2025/02/21

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
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 2027/12/17	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"/>

[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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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)-		2027/12/17	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 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
				1317-39-1	Cuprous oxide			
				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 2027/12/17	Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/>
				1317-39-1	Cuprous oxide			
				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 2027/02/15	Japan <input 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			

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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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