



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

(2021 amendment)

Name of Manufacturer: PPG PMC JAPAN CO., LTD.

8F, Shintetsu Bldg., 1-1-1 Daikaidori, Hyogo-ku, Kobe-shi, HYOGO

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

*Registered Systems Listed in alphabetical Order.

21 products registered as of 2026/04/20

| 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 |
|---------|-------------------------------------|------------------|-----------------------------|-------------|--|-----------|---------------------|--|
| 00083 | Crown Color Sentei Toryou YS Musuzu | Red, Red Brown | Ablative type | 12122-67-7 | Zinc ethylenebis (dithiocarbamate) | | 2004/03/18 | Japan <input checked="" type="checkbox"/> |
| | | | | 1317-39-1 | Cuprous oxide | | 2027/12/17 | Others <input type="checkbox"/> |
| 00081 | Crown Super 243 | Red, Black | Self polishing 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 | | 2026/06/15 | Others <input type="checkbox"/> |
| | | | | 64359-81-5 | 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one | | | |
| 01868 | PPG Nexeon 810 | Brown Redbrown | Self polishing type | 122454-29-9 | 4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile | | 2025/02/21 | Japan <input type="checkbox"/> |
| | | | | 13463-41-7 | Zinc-2-pyridinethiol-1-oxide | | 2028/02/21 | Others <input checked="" type="checkbox"/> |
| | | | | 86347-14-0 | 4-[1-(2,3-dimethylphenyl)ethyl]-1H-imidazole | | | |
| 01114 | Sigma Alphagen 650 | Redbrown, Brown | Self polishing type | 1317-39-1 | Cuprous oxide | | 2006/04/25 | Japan <input type="checkbox"/> |
| | | | | 64359-81-5 | 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one | | 2028/10/16 | Others <input checked="" type="checkbox"/> |
| 01025 | Sigma Boatmax | Blue | Self polishing type | 1317-39-1 | Cuprous oxide | | 2005/09/01 | Japan <input checked="" type="checkbox"/> |
| | | | | 330-54-1 | 3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea | | 2026/06/15 | Others <input type="checkbox"/> |
| 01026 | Sigma Boatmax | Red, Black | Self polishing type | 1317-39-1 | Cuprous oxide | | 2005/09/01 | Japan <input checked="" type="checkbox"/> |
| | | | | 330-54-1 | 3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea | | 2026/06/15 | Others <input type="checkbox"/> |
| | | | | 64359-81-5 | 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one | | | |
| 01727 | Sigma EcoFleet 270 | Brown, Red Brown | Self polishing type | 1317-39-1 | Cuprous oxide | | 2019/08/09 | Japan <input type="checkbox"/> |
| | | | | | | | 2028/06/05 | Others <input checked="" type="checkbox"/> |
| 01513 | Sigma EcoFleet 290S | Brown, Red Brown | Self-polishing type | 12122-67-7 | Zinc ethylenebis (dithiocarbamate) | | 2011/12/07 | Japan <input type="checkbox"/> |
| | | | | 1317-39-1 | Cuprous oxide | | 2026/10/26 | Others <input checked="" type="checkbox"/> |
| 00068 | Sigma EcoFleet 530 | Brown, Red Brown | Self polishing type | 1317-39-1 | Cuprous oxide | | 2004/06/21 | Japan <input type="checkbox"/> |
| | | | | 64359-81-5 | 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one | | 2028/10/16 | Others <input checked="" type="checkbox"/> |
| 01558 | Sigma Nexeon 710 | Brown, Red Brown | Self polishing type | 122454-29-9 | 4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile | | 2013/10/11 | Japan <input type="checkbox"/> |
| | | | | 13463-41-7 | Zinc-2-pyridinethiol-1-oxide | | 2028/06/05 | 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 as of 2026/04/20



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*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 |
|---------|-----------------------------|--|-----------------------------|-------------|--|--------------------------|--|-----------------|
| 01559 | Sigma Nexeon 750 | Brown, Red Brown, Light Grey | Self polishing type | 122454-29-9 | 4-Bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile | 2013/08/22 2028/06/05 | Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/> | |
| | | | | 13463-41-7 | Zinc-2-pyridinethiol-1-oxide | | | |
| 01829 | Sigma Sailadvance DX (II) | Brown, Red Brown | Self polishing type | 1317-39-1 | Cuprous oxide | 2022/12/13 2028/10/16 | Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/> | |
| | | | | 14915-37-8 | Copper, bis(1,hydroxy-2(1H)-pyridinethionato O,S)- | | | |
| 01697 | Sigma Sailadvance GX | Brown, Red Brown | Self polishing type | 12122-67-7 | Zinc ethylenebis (dithiocarbamate) | 2018/02/16 2028/10/16 | Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/> | |
| | | | | 1317-39-1 | Cuprous oxide | | | |
| 01826 | Sigma Sailadvance NX | Brown, Red Brown | Self polishing type | 1317-39-1 | Cuprous oxide | 2022/10/21 2028/10/16 | 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 | | | |
| 01663 | Sigma Sailadvance RX | Brown, Red Brown | Self polishing type | 12122-67-7 | Zinc ethylenebis (dithiocarbamate) | 2017/02/24 2028/10/16 | Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/> | |
| | | | | 1317-39-1 | Cuprous oxide | | | |
| 00076 | Sigma TAIKAI | Red | Self polishing type | 1317-39-1 | Cuprous oxide | 2004/06/21 2027/12/17 | Japan <input checked="" type="checkbox"/> Others <input type="checkbox"/> | |
| | | | | 330-54-1 | 3-(3,4-Dichlorophenyl)-1, 1-dimethyl urea | | | |
| | | | | 64359-81-5 | 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one | | | |
| 01747 | Sigmaglidle 1290 | Redbrown, Dark Blue, Black, White | Biocide-free silicone type | | | 2020/07/29 2029/04/19 | Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/> | |
| | | | | | | | | |
| 01841 | Sigmaglidle 2390 | Redbrown, blue, black, grey, white | Biocide-free silicone type | | | 2023/10/27 2026/10/26 | Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/> | |
| | | | | | | | | |
| 00453 | Sigmaglidle 890 | Clear, Redbrown, Blue, Black, Red | Biocide-free silicone type | - | - | 2005/02/17 2028/10/16 | Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/> | |
| | | | | | | | | |
| 01510 | Sigmaglidle 990 | Dark Red, Dark Blue | Biocide-free silicone type | - | - | 2011/12/07 2026/10/26 | Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/> | |
| | | | | | | | | |
| 01842 | Sigmarine 530 | Redbrown, Brown, Black, Blue, Spruce Green | Self polishing type | 1317-39-1 | Cuprous oxide | 2023/10/27 2026/10/26 | Japan <input type="checkbox"/> Others <input checked="" type="checkbox"/> | |
| | | | | 64359-81-5 | 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one | | | |

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