



BIOCIDES



ISP Biocides for Plastics

Antimicrobials for the full range of resins and wood plastic composites

Solid form biocide products

Product name	Description/ Appearance	Max. temp. °C	Use-level [weight-%] in finished product	Application/Compatibility in plastics	Highlights/Benefits
PlastiGuard® 410 PEP	Pellets with 10% IPBC	220°C	0.5 to 5.0	Polyolefins (PP, PE); including WPC (PP, PE)	<ul style="list-style-type: none"> • Favourable regulatory profile • Effective against fungi, algae and bacteria • Helps control surface mildew on polyolefins • Free of arsenic and heavy metal • Safe and easy to handle on site • Dust-free
PlastiGuard 420 VP	Pellets with 20% IPBC	220°C	0.25 to 2.5	Flexible PVC, Plastisol, Rigid PVC	<ul style="list-style-type: none"> • Favorable regulatory profile • Effective against fungi and bacteria • Free of arsenic and heavy metals • Safe and easily handled on site • Dust-free • Cost-effective
PlastiGuard 11 PE	Pellets with 20% Folpet	220°C	0.5 to 3.75	Polyolefins (PP, PE), including WPC	<ul style="list-style-type: none"> • Long-lasting protection • Extremely effective against fungi • Bactericidal properties • Excellent leaching resistance • Superb UV resistance • Superior efficacy against "pink stain" • Easy dosing • Dust-free
PlastiGuard 11 VP	Pellets with 20% Folpet	220°C	0.5 to 3.75	Flexible PVC, Plastisol, Rigid PVC, Elastomers	<ul style="list-style-type: none"> • Long-lasting protection • Extremely effective against fungi • Bactericidal properties • Excellent leaching resistance • Superb UV resistance • Superior efficacy against "pink stain" • Free of arsenic and heavy metal • Easy dosing • Dust-free
PlastiGuard 11 SAN	Pellets with 10% Folpet	220°C	1.0 to 7.5	Styrenics, Elastomers, ABS	<ul style="list-style-type: none"> • Long-lasting protection • Extremely effective against fungi • Bactericidal properties • Excellent leaching resistance • Superb UV resistance • Superior efficacy against "pink stain" • Free of arsenic and heavy metals • Safe and easy handling on site • Dust-free
PlastiGuard 11 W	Wax lubricant pellets with 20% Folpet	220°C	0.5 to 3.75	Polyolefins (PP, PE), including WPC	<ul style="list-style-type: none"> • Long-lasting protection • Extremely effective against fungi • Bactericidal properties • Excellent leaching resistance • Superb UV resistance • Superior efficacy against "pink stain" • Free of arsenic and heavy metals • Safe and easy handling on site • Dust-free
PlastiGuard 11 WP	Wax lubricant pellets with 20% Folpet	220°C	0.25 to 3.5	Rigid PVC, including WPC	<ul style="list-style-type: none"> • Custom blend available • Long-lasting protection • Extremely effective against fungi • Bactericidal properties • Excellent leaching resistance • Superb UV resistance • Superior efficacy against "pink stain" • Free of arsenic and heavy metal • Easy dosing • Dust-free

Product name	Description/ Appearance	Max. temp. °C	Use-level [weight-%] in finished product	Application/Com- patibility in plastics	Highlights/Benefits
Fungitrol® 11 BP**	Powder biocide with 50% Folpet	220°C	0.2 to 1.5	Polyurethanes, Styrenics, Flexible PVC, Plastisol, Rigid PVC, Polyolefins, Poly- carbonate, Acrylics	<ul style="list-style-type: none"> • Broad plastics compatibility • Excellent antifungal and antibacterial • Excellent leach and weathering resistance • Easy dosing • Long-lasting protection • Non-hygroscopic • Superior efficacy against "pink stain" • Free of arsenic and heavy metal • Phtalate-free
Fungitrol 400 Easydose**	Free-flow powder with 95% IPBC	180°C	0.05 to 0.5	Flexible PVC, Plastisol, Rigid PVC	<ul style="list-style-type: none"> • Favourable environmental profile • Very good bacterial protection • Long-lasting protection • Effective against fungi • Easy dosing • Cost-effective
Fungitrol 11	Powder biocide with 95% Folpet	190°C	0.1 to 0.75	Flexible PVC, Rigid PVC, Polyolefins (PP; PE), PS, ABS, Ure- thanes-Coatings	<ul style="list-style-type: none"> • Highly effective against micro-organisms • Many carrier options • Compatible with most plastics • High leach and weathering resistance • Effective against "pink staining"

Liquid form biocide products

Product name	Description/ Appearance	Max. temp. °C	Use-level [weight-%] in finished product	Application/Com- patibility in plastics	Highlights/Benefits
Fungitrol 10L**	Liquid biocide with 10% IPBC in DIDP	190°C	0.5 to 5.0	Flexible PVC, Plastisol	<ul style="list-style-type: none"> • Favourable regulatory profile • Effective against fungi, algae and bacteria • Helps control surface mildew on polyolefins • Free of arsenic and heavy metal • Oekotex-label pending • Cost-effective
Fungitrol 11L**	Liquid disper- sion with 10% Folpet in DIDP	200°C	0.5 to 5.0	Flexible PVC, Plastisol	<ul style="list-style-type: none"> • Excellent antifungal properties • Long weatherability • Superior UV stability • Easy dosing • Long-lasting protection • Leach resistant • Excellent bacterial protection • Will not affect color or transparency
Fungitrol PA 10*	Liquid biocide with 10% OIT in DIDP	200°C	0.5 to 4.0	Flexible PVC, Plastisol	<ul style="list-style-type: none"> • Antifungal properties • For interior use • Long-lasting protection
Fungitrol T10*	Liquid biocide with 10% DCOIT in DIDP	200°C	0.5 to 4.0	Flexible PVC, Plastisol	<ul style="list-style-type: none"> • Antifungal properties • Long weatherability • Superior UV stability • Long-lasting protection • Leach resistant
Fungitrol DN 20*	Liquid biocide with 20% BBIT in DIDP	200°C	0.5 to 4.0	Flexible PVC, Plastisol	<ul style="list-style-type: none"> • Excellent antifungal properties • Long weatherability • Superior UV stability • Long-lasting protection • Leach resistant

* Product available only in Europe (EMEA)

** EPA registration pending

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Use biocides safely. Always read the label and product information before use. Product Code: ISP-PCH5465-10/2009

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