

PeridoxRTU® Material Compatibility

PeridoxRTU® Sporicide, Disinfectant and Cleaner is an EPA-registered one-step sporicide, bactericide, fungicide, viricide, and tuberculocide for use on hard, non-porous surfaces. PeridoxRTU utilizes a proprietary chemistry formulation that exhibits broad-spectrum efficacy, yet it is mild on surfaces with its blend of corrosion inhibitors.

PeridoxRTU's proprietary formulation contains surfactants for cleaning efficiency along with corrosion inhibitors for surface protection. PeridoxRTU products can be used to clean and disinfect most surfaces without damage or loss of functionality. Under normal cleaning conditions, PeridoxRTU can be used safely on many environmental surfaces commonly found in cleanrooms and engineering controls such as isolators, Biological Safety Cabinets (BSCs), and Restricted Access Barrier Systems (RABS). It is the ideal sporicide and decontamination agent for use in pharmaceutical and medical device manufacturing facilities, laboratories, and other life science applications.

PeridoxRTU:

- EPA-registered effective against >40 organisms.
- Fast kill times.
- Minimal residue on surfaces.
- Compatible with stainless steel and most other materials of construction as tested.

The following table lists the results of compatibility testing with common materials after exposure to PeridoxRTU Sporidical Disinfectant:

Material (Alloy or Brand)	Compatibility (Air dried)	Compatibility (Dry wiped)*	Compatibility (IPA wiped)**
Aluminum (Al 6061)	N	N	N
Anodized Aluminum (Al 6061)	N	N	N
Clear Vinyl	N	N	N
Copper (CDA 122)	S	S	S
CPVC	N	N	N
Ductile Cast Iron	S	S	S
Galvanized Steel	S	S	S
Glass (Pyrex®)	N	N	N
Neoprene	N	N	N
Plastic Polymer (ABS)	N	N	N
Polycarbonate	N	N	N
Polycarbonate (Lexan™)	N	N	N
Polymer (Delrin®)	N	N	N
Polymer (Kynar®)	N	N	N
Polystyrene	N	N	N
Polyurethane	N	N	N
Rubber (Buna N)	N	N	N
Rubber (EPDM60)	N	N	N
Steel Alloy (C4340)	M	M	M
Stainless Steel (304)	N	N	N
Stainless Steel (316)	N	N	N
Tin/Lead Alloy (60 Sn/40 Pb)	S	S	S

* Dry wiped- after exposure, residue was removed with a dry nonwoven wipe.

** IPA wiped- after exposure, residue was removed with a presaturated 70% IPA/30% DI water wipe.



Compatibility with Materials Ratings:

- N No Degradation** – over the six-week period, the material displayed no signs of wear or damage and is comparable to the unexposed coupon.
- M Mild degradation** – the coupon displayed some damage or wear at the outset of the six-week period when compared to the unexposed coupon. The degradation occurred quickly and did not progress over the exposure period.
- S Substantial degradation** – from the outset of the six-week period, the coupon had very noticeable changes or deterioration when compared to the unexposed material.