

THE LUBRIZOL CORPORATION TECHNICAL DOCUMENT

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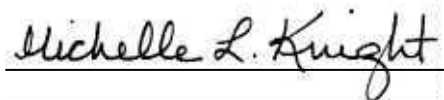
SUBJECT: CPVC compatibility analysis - No-Burn Original and No-Burn Plus

Background: We received samples of No-Burn Original fire retardant coating and No-Burn Plus fire retardant paint from their manufacturer, No-Burn Inc of Wadsworth, Ohio. We were asked to evaluate their compatibility with CPVC.

Experimental: The coatings were dried and then extracted briefly with hexane. The hexane solution was cast dropwise onto a germanium crystal and the solvent was evaporated off, leaving a film of residue on the crystal. The residue was analyzed via ATR infrared spectroscopy. No nonionic surfactants or plasticizers were detected in the extract of either product.

Both products were applied to bent bar specimens of CPVC. After 90 days, no detrimental effects were noted on the samples.

Conclusions: The coating products No-Burn Original and No-Burn Plus have not demonstrated any incompatibility with CPVC. These results apply only to the product as tested. Any changes to the formulation may invalidate these results.



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