

Inspection, Cleaning and Storage Procedures for 3M™ Versaflo™ M-Series Headgear Assemblies

TABLE I
Effect of Wiping Select M-300/M-400 Series Shells and M-Series Visors with Certain Solvents and Cleaners

Sample	M-300/400 Headgear Shells		M-925 Standard Polycarbonate Visor		M-927 Hard Coated Polycarbonate Visor	
	Visual Change	Impact/Penetration Testing	Visual Change	Impact/Penetration Testing	Visual Change	Impact Testing
Acetone	Color change	No significant effect on performance	Fogging	No significant effect on performance	None detected ¹	Decrease in performance ³
Ethanol	None detected	No significant effect on performance	None detected	No significant effect on performance	None detected	No significant effect on performance
Isopropyl Alcohol	None detected ¹	No significant effect on performance	None detected ¹	No significant effect on performance	None detected ¹	No significant effect on performance
Methyl Ethyl Ketone	Color change	No significant effect on performance	Fogging	No significant effect on performance	None detected ¹	No significant effect on performance
Mineral Spirits	None detected	No significant effect on performance	None detected	No significant effect on performance	None detected	No significant effect on performance
3M 504 Respirator Wipes	None detected	No significant effect on performance	None detected	No significant effect on performance	None detected	Decrease in performance ²
3M Citrus Cleaner	None detected ¹	No significant effect on performance	None detected ¹	No significant effect on performance	None detected ¹	Decrease in performance ³
Bleach (0.5%)	None detected	No significant effect on performance	None detected	No significant effect on performance	None detected	No significant effect on performance
Soap and Water (control)	None detected	No significant effect on performance	None detected	No significant effect on performance	None detected	No significant effect on performance

¹ While no damage was observed, the test material did leave a residue.

² Minor cracking exhibited in some samples that did not occur in the control samples

³ Significant decrease in performance and capability of the visor to withstand impact.