

With respect to chemical compatibility, the polycarbonate visor is the most sensitive material in the CleanSpace parts. Check the guide below for suitable agents to use. For removal of paint and cleaning material from the visor, use diluted solvents such as All Purpose Thinners) and a soft cloth. Dampen the cloth with solvent and briefly wipe (or dab) the surface and quickly wipe off with a clean cloth. Do not leave solvent on the surface or to soak. Where possible use the disposable visor tear offs (PAF-1018) to protect the visor surface.

NOTE: The visor material is polycarbonate. Avoid solvents which are incompatible with polycarbonate (see table). These chemicals can cause the visor to cloud up or become brittle and fracture.

CHEMICAL/SOLVENT	RESISTANCE
Acetone	UNSATISFACTORY
Ammonium Chloride	EXCELLENT
Ammonium Oxalate	EXCELLENT
Ammonium Persulfate	EXCELLENT
Ammonium Phosphate,Dibasic	EXCELLENT
Ammonium Sulfate	EXCELLENT
Ammonium Carbonate	LIMITED
Ammonium Fluoride	UNSATISFACTORY
Ammonium Hydroxide	UNSATISFACTORY
Ammonium Sulfide	UNSATISFACTORY
Benzene	UNSATISFACTORY
Bleach	LIMITED
Butane	UNSATISFACTORY
Chlorine (dry)	LIMITED
Chlorine, Anhydrous Liquid	LIMITED
Chlorine Gas (Dry)	LIMITED
Chlorine Gas (Wet)	UNSATISFACTORY
Chloroform	UNSATISFACTORY
Ethyl acetate	UNSATISFACTORY
Hydrogen Peroxide (10%)	EXCELLENT
Hydrogen Peroxide (30%)	EXCELLENT
Hydrogen Peroxide (50%)	EXCELLENT
Hydrogen Peroxide (100%)	EXCELLENT
Isopropyl alcohol	EXCELLENT
Nitric acid	UNSATISFACTORY
Propyl Alcohol (1-Propanol)	EXCELLENT
Propane (liquefied)	LIMITED
Sodium hydroxide (caustic soda/lye)	UNSATISFACTORY

CLEANING & DISINFECTING AGENTS	RESISTANCE
Klerwipe™ Sporidical Low Residue (Peroxide)	EXCELLENT
Klercide™ Sporidical Chlorine and Apesin AP3 Didecyldimethyl ammonium chloride, propan-2-ol Alcohols, C9-11 ethoxylated and sodium chlorite	EXCELLENT
Klercide™ 70 (isopropyl alcohol)	EXCELLENT
Germex™ B-12 quaternary ammonium compounds, PH 7.3 at 0.75% solution	EXCELLENT
Dismozon (Hartman): Magnesium Monoperoxyphthalate hexahydrate	EXCELLENT
Incidin Plus (Ecolab): glucoprotamine.	EXCELLENT

The chemical resistance of a polymer (polycarbonate) describes its ability to maintain mechanical integrity while being exposed to specific chemical environments. Duration of exposure, chemical concentration, temperature and state of mechanical stress are key variables in chemical compatibility. The final classification of "suitable for use" is dependent upon the application. The information contained in the chart is a guide only in assessing the general suitability of polycarbonate for a particular application. The user must determine, by suitable testing, the correct application of the agent on the CleanSpace product for their particular application. *References to Chemical Compatibility for Polycarbonate: www.calpaclab.com/polycarbonate-chemical-compatibility-chart; www.plasticsintl.com/plastics_chemical_resistence_chart.html*