

Diversified CPC Int'l

Specialty Fluids

Specialty Solvents

Today's aerosol, vapor degreasing, and industrial cleaning industries demand product formulations that meet precise performance objectives and lessen environmental impact. Diversified CPC offers solvents that are designed to create an array of blends that are engineered to meet desired levels of various attributes, including efficacy, toxicity, and solvency.

and can reduce drying time when using slower evaporating solvents. It is non-flammable and can be used to reduce or eliminate the flammability of solvent blends.evaporation evaporationChemours™ Vertrel™ XFVertrel™ XF has been successfully used to formulate solvent blends to meet the requirements in numerous applications. Vertrel™ is non-flammable, has a low KB value, which is required• Solvency • Non-flam • Boiling Po	ammable Point (an indicator of
Vertrel [™] XFblends to meet the requirements in numerous applications. Vertrel [™] is non-flammable, has a low KB value, which is required• Non-flam • Boiling Point • Boiling Point 	ation rate): 19C 1; ODP: No; VOC: No pproval pending in Calif.)
flammability in blends with flammable solvents. • GWP: 16. VOC: No	· ·
Solitableplastic-safe characteristics. In addition, it can be combined with other higher cost solvents to reduce the overall package cost. It is flammable but flammability can be suppressed withevaporat evaporatVOC: No	cy: KB 13 ; Point (an indicator of ration rate): 40.2C 804; ODP: No; Io (except for Calif.) r most plastics

GWP = Global Warming Potential // ODP = Ozone Depleting Potential

100-Year GWP values are cited from the Fifth Assessment Report of the Intergovernmental Panel on Climate Change (2013) ODP values are based on the EPA's Significant New Alternatives Policy (SNAP)

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Attribute Matrix Solvents are listed in descending order according to attribute.

Flammability	Solvency	Evaporation	Environment	Cost
Vertrel [™] XF (non-flammable)	trans DCE (highest solvency)	Solstice [®] PF (fastest rate)	Solstice [®] PF (most friendly)	trans DCE (most economic)
Solstice [®] PF (non-flammable)	Solstice [®] PF	Solkane [®] 365	trans DCE	Solkane [®] 365
trans DCE	Solkane [®] 365	trans DCE	Solkane [®] 365	Solstice [®] PF
Solkane [®] 365	Vertrel [™] XF	Vertrel [™] XF	Vertrel [™] XF	Vertrel [™] XF

Formulated for Results

Diversified CPC has the expertise to recommend and create customized blends by pragmatically identifying the solvents and ratios that will yield the required results. Working in conjunction with a manufacturer's formulation and marketing teams, we rely on our specialty solvent line, industry know-how, and experience to create the optimum solvent blend for any application.

Working Example: Replacing 141b

Objective: Substitute 141b, which is used as the primary solvent in a given solution.

To achieve optimum results, the attributes of 141b are identified: KB: 56; BP: 32C; Non-Flammable. Using 141b's characteristics as a guide, a formula is created by blending a variety of solvents with similar attributes.

Solution: Vertrel[®] XF = 30%; Solstice[®] PF = 31%; Trans DCE = 39%

This blend closely compares to 141b and could be further modified based on performance and marketing goals. For example, to reduce costs, Solkane[®] 365 could be substituted for portions of PF and XF while maintaining key characteristics.

Diversified CPC has participated in successful conversions replacing Methylene Chloride, Trichloroethylene, Perchloroethylene, 141b, 225, and we can assist in alternative solutions for NPB formulations.





DCPC/SLVC/3.16

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