Boeing BAC5408 Approved (PSD6-64)

Comparison to Trichloroethylene (TCE) & Perchloroethylene (PERC)

Performance Properties	EnTron-Aero	TCE	PERC
Boiling Point	160°F	188°F	250°F
Flash Point	None	None	None
Evaporation Rate (n Butyl Acetate = 1)	4.7	3.0	1.5
Azeotropic Composition	Yes	Yes	Yes
Inhibited Against Metal Corrosion	Yes	Yes	Yes
Inhibited Against Hydrolysis	Yes	Yes	Yes
Kauri Butanol Value	130	129	90

Regulatory Profile	EnTron-Aero	TCE	PERC
Hazardous Air Pollutant	No	Yes	Yes
NESHAP Regulated	Not Regulated	Yes	Yes
ACGIH Cancer Classification	None	A5	A3-Animal Carcinogen
IARC Cancer Class	Not Listed	2A- Probably carcinogenic to humans	2A- Probably carcinogenic to humans
CERCLA Reportable Quantity	Not Applicable	Regulated over 110lbs	Regulated over 110lbs
Department of Transportation	Not regulated	Hazard Class 6.1	Hazard Class 6.1
RCRA Hazard Waste Number	Not applicable	U 228	U 210
VOC (Volatile Organic Compound)	Yes	Yes	No

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Technical Physical Properties	EnTron-Aero	TCE	PERC
Specific Gravity, 25/25°C	1.31	1.46	1.62
Pounds Per Gallon @ 77°F	10.99	12.11	13.47
Specific Heat, 25°C, cal/g	0.27	0.23	0.21
Latent Heat, cal/g	58.5	56.4	50.1
Viscosity, 25°C, cps	0.49	0.54	0.84
Vapor Pressure, 25°C (mm Hg)	139	74.3	18
Vapor Density (Air =1)	4.3	4.53	5.76
Water Solubility (g/100 ml)	0.25	0.10	0.015
Flammability Limits LEL/UEL	3% to 9.0%	8% to 11%	13% to 23%
Hansen Parameters: Non-Polar / Polar	17.9 / 5.8	18.7 / 9.28	