

Comparison of **ECOMAX™** Physical Properties to TCE and PERC

Physical Properties	<i>ECOMAX™</i>	Trichloroethylene	Perchloroethylene
Specific Gravity (25°C)	1.33	1.46	1.62
Boiling Point	70°C / 159°F	86.7°C / 188°F	121°C / 250°F
Evaporation Rate, n Butyl Acetate=1	4.5	3.0	1.5
Viscosity 25°C (cp)	0.49	0.41	0.75
Vapor Pressure 25°C (mm/Hg)	139	74.8	18
Vapor Density (Air =1)	4.3	4.53	5.76
Specific Heat (25°C)	0.27	0.23	0.21
Latent Heat of Vaporization (cal/g)	58.8	56.4	50.1
Water Solubility (g/100 ml)	0.25	0.11	.015
Surface Tension 20°C (dynes/cm)	25.9	29.5	32.32
Flash Point TCC (°C)	None	None	None
Flammability Limits (vol % in air)	4.6 - 8.5 %	8.0 - 11%	None
Global Warming Potential	Almost Zero	Almost Zero	Almost Zero
Ozone Depletion Potential	0.013	No	
Atmospheric Lifetime	~ 19 days	6 - 8 days	5 - 6 months
Kauri Butanol (KB) Value	129	129	90
Corrosion of Metals	No ¹		
VOC	Yes. Application for Exemption is Pending	Yes	NO
Workplace Exposure PEL/TLV	100 ppm AEL ²	100 ppm PEL OSHA 50 ppm AEL ³	100 ppm OSHA PEL 25 ppm ACGIH TLV 50 ppm California
IARC Cancer Classification	No	Yes Group 2A	Yes Group 2A
NESHAP Regulated	No	Yes	Yes

Footnotes:

1. See *ECOMAX™* Metal Testing results for specific test outcomes.
2. No OSHA PEL or ACGIH TLV have been established. Enviro Tech International, Inc. recommends a manufacturer's workplace exposure guideline of 100ppm / 8 hour time weighted average based on the scientific assessment of nPB and other existing toxicological data. Based on this *ECOMAX™* is not expected to be a carcinogen.
AEL – Based on manufacturer's recommended exposure limit as indicated on current MSDS.