

Ladd Research
83 Holly Court
Williston, VT 05495
Tel: (802) 658-4961
FAX: (802) 660-8859
e-mail: sales@laddresearch.com
Web: <http://www.laddresearch.com>

Fact Sheet

Solvon® PB

Catalog Numbers: 20420, 20421, 20422

Description:

Solvon PB is a powerful solvent used for cleaning and degreasing. It meets or exceeds the requirements of ASTM-D-6368. It has the same characteristics and similar physical properties as other halogenated solvents such as 1,1,1-trichloroethane and trichloroethylene.

Solvon PB has no flash point and has a low ozone depleting potential. It is essentially 1,1,1-trichloroethane without the adverse effect on the environment. Solvon PB can be used for vapor degreasing and rapid drying.

Physical Properties

The following is a comparison between Solvon PB and other common solvents:

	Solvon PB	1,1,1-TCE	TCE	MeCl₂	HCFC-141b
Boiling Point °C	70	74	87	40	32
Specific Gravity, 25°C	1.35	1.32	1.46	1.33	1.24
Viscosity, 25°C, cps	0.49	0.79	0.54	0.43	0.43
S. Tension, dy/cm, 20°C	25.9	25.6	26.4	28.2	19.3
Vapor Pressure, 20°C	110.8	100	57.8	349	518
Specific Heat, 25°C	0.27	0.25	0.22	0.28	
Latent Heat, cal/g	58.8	57.5	57.2	78.7	52.3
Solubility in water, wt%	0.24	0.07	0.11	0.14	0.18
Flash Point, TCC	None	None	None	None	None
Flammability limits, Vol%	4-7.8	7.4-16.5	8.3-12.5	14.6-21.8	7.6-17.7
Kauri Butanol Value	125	124	129	136	56
Life Span in Air	2 weeks	5 years	1 year	1 year	10 years
ODP	0.02	0.1	0		0.1
ACGIH TLV, ppm	100*	350	50	25	500

*Not determined by ACGIH or OSHA

Applications:

Solvon PB can be used in the following applications: cleaner-degreaser, printed circuit boards cleaning, precision cleaning, metal cleaning, carbon removal, automotive parts cleaning, drying agent.

Solvon PB can be used in existing vapor degreasing drying equipment after some adjustments. It can be used to replace 1,1,1-TCE, TCE, HCFC-141b and other cleaning solvents

Compatibility:

The following metals have been tested for compatibility with Solvon PB in accordance with Mil-T-81533A. The metal corrosion test – 24 hours exposure to boiling solvent - yielded no sign of corrosion:

Aluminum, brass, carbon steel, copper, inconel, magnesium, monel, stainless steel, titanium and zinc.

Safety:

Solvon PB is not a reportable chemical under SARA 313.

Solvon PB is not regulated as a hazardous waste under RCRA.

Solvon PB is not regulated as hazardous air pollutant under NESHAP.

Storage:

The product should be stored in the original containers in a cool, dry and ventilated place. Do not expose to temperatures higher than 120°F.

The information presented is believed to be correct and is the most accurate information available to us at this time. However, Ladd Research makes no warranty, express or implied, and assumes no liability for this information and the product described herein.