

# Polymer Related Data in the Dortmund Data Bank

## *An Overview*



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## Introduction

The Polymer data bank (short PolymerDDB) has been created in 2003 as an extension of the Dortmund Data Bank, which mainly contains phase equilibrium data for technically important components, to include also polymer related data.

With the help of Dr. Wohlfarth, a well known expert for polymer data with an experience over thirty years DDBST was able to build a data bank covering almost all published polymer related data.

The PolymerDDB is now fully integrated in the Dortmund Data Bank. It contains 16282 data sets with 153128 data points for 491 different polymer types and for 545 solvents. 1301 references have been evaluated.

## Overview

The current status of the PolymerDDB from May 2008 is:

Number	Type
16282	Data sets
153128	Data points
1301	Sources/References
1036	Compounds
491	Polymers
545	Solvents, other compounds
4410	Systems

## Data Types

The PolymerDDB contains mainly phase equilibria (LLE, VLE, Gas solubilities), mixing enthalpies, some PvT data (mainly densities at given temperatures), and few other data. The complete list of data types is:

#	Data Sets	Data Points	Short Description	Additional Description	Further Details
1	1152	51959	PVT		
2	1	83	PVT	volume expansion coefficient	
3	50	940	PVT	densities	
4	1714	26227	LLE	cloud points	
5	309	2347	LLE	cloud points, UCST	
6	1	25	LLE	cloud points, UCST/LCST-merging behavior	
7	438	2441	LLE	cloud points, LCST	
8	47	2877	LLE	spinodal points	
9	184	1336	LLE	coexistence data	
10	707	3579	LLE	coexistence data	tie lines
11	22	22	LLE	partition coefficients	weight fraction based, from to Format
12	3	40	LLE	spinodal points (LCST)	
13	76	121	LLE	UCST	UCST given
14	5	22	LLE	LCST	LCST given
15	5	11	LLE	cloud points, UCST	UCST given
16	5	87	LLE	cloud points, LCP/UCP branch	
17	2	18	LLE	cloud points, UCP behavior	
18	5	32	LLE	binodal points	
19	6	21	LLE	fract. by demixing	
20	27	474	LLE	spinodal points (UCST)	
21	55	747	LLE	tie lines (UCST)	demixing temperature given
22	3	39	LLE	tie lines (LCST)	demixing temperature given
23	42	45	LLE	cloud points, LCST, precipitation threshold	
24	95	113	LLE	cloud points, UCST, precipitation threshold	
25	6	22	LLE	isotropic/nematic LLE, coexistence data	
26	1	25	LLE	binodal data (UCST)	
27	46	54	LLE	plait point composition	
28	21	44	LLE	critical point	
29	1	9	LLE	coexistence data of isotropic-isotropic and isotropic-nematic equilibrium	
30	4	4	LLE	cloud point (critical point)	
31	2	3	LLE	cloud points (precipitation threshold)	
32	7	84	LLE	cloud points and spinodal points	
33	7	89	LLE	LLLE	

#	Data Sets	Data Points	Short Description	Additional Description	Further Details
34	2	11	LLE	binodal and spinodal points	
35	1	7	LLE	cloud points (LL=>L)	
36	14	62	LLE	solubility of solvent in polymer	
37	7153	16797	GLE		
38	553	5414	GLE	gas solubility	
39	18	325	GLE	vapor/gas solubility	
40	34	298	GLE/PVT	gas solubility/density	
41	23	214	GLE/LLE	gas solubility/cloud points	
42	2689	26597	VLE		
43	10	213	VLE	bubble points	
44	8	140	VLE	partition coefficients	at equilibrium swelling
45	17	109	VLE	partition coefficients	weight fraction based
46	40	1931	VLE/LLE	bubble + cloud points	
47	1	34	VLE/LLE	cloud points (VL=>VLL)	
48	1	31	VLE/LLE	cloud points (VLL=>LL)	
49	2	27	VLE/GLE	vapor sorption	
50	6	36	SOL		
51	16	86	SOL/SCR	polymer solubility	in supercritical solvent(s)
52	15	228	SWELLING		
53	26	188	GLE/SWELLING		
54	28	266	VLLE		
55	9	56	VLLE	coexistence data	LLV=>LV und LV=>LLV
56	1	5	CRI		other critical data
57	10	30	LLE/CRI	cloud points, critical data	
58	287	3695	$\Delta H_{\text{mix}}$	heat of mixing (general)	
59	269	2388	$\Delta H_{\text{mix}}$	intermediary enthalpy of dilution [J/mol solvent]	

## Polymer Details

Since almost every polymer is different detailed information about the polymer used in the measurements are given in the single data sets. A data sets

A typical data set is for example:

data set number: 88 (Public DDB) POLYMERDDB

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number of components: 2
number of points: 3
quality check: 1 (Default check passed)
data source: 0 (Experimental Data)
data type: VLE
reference number: [47508] Moore S.J., Wanke S.E., Chem.Eng.Sci., 56,
                  4121-4129, 2001

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comp.no.	index	formula	molw't	name
100	A	C6H12	84.160	1-Hexene
polymer	index	monomer formula	MW(N)	name
4	B	(C2H4) <sub>n</sub>	22000	polyethylene
further characterization: (LDPE, density = 0.923 g/cm <sup>3</sup> , crystallinity = 50.4%). Mean Molecular Weights: 104000 (Mass)				
AliasName=PE				
Polydispersity Index=4.73				
PolymerID=polyethylene				
Trade Name=polyethene				
Density/Volume: 0.92 g/ccm				
Crystallinity: 50.4 %				

Constants:  
Temperature 361.15000 K [All, System]

Property	Pressure	Concentration	Concentration
Comp.Descr.	All	Component A	Component A
Phase Descr.	System	Liquid	Liquid
Unit	kPa	g/g polymer	g/g amorph Polymer
	75.842	0.07117	0.14348
	132.38	0.17575	0.35434
	191.67	0.50437	1.0169

## System List

The following tables show all systems with their properties. The table is sorted by the polymer names.

#	Polymer	Solvent(s)	Property	Descriptions
1	2,6,10,15,19,23-hexamethyltetracosane	Ethylene	LLE	cloud points
2	2-(3-Phenyl-3-methylcyclobutyl)-2-hydroxyethyl methacrylate/methacrylic acid copolymer	Acetone	GLE	
		Ethanol	GLE	
		Ethyl acetate	GLE	
		Benzene	GLE	
		2-Butanone	GLE	
		Dodecane	GLE	
		Methyl acetate	GLE	
		Methanol	GLE	
		Toluene	GLE	
		o-Xylene	GLE	
3	2-Phenyl-1,3-dioxolane-4-yl-methyl methacrylate/butyl methacrylate copolymer	Ethanol	GLE	
		1-Butanol	GLE	
		Methanol	GLE	
		1-Pentanol	GLE	
		1-Propanol	GLE	
4	2-Phenyl-1,3-dioxolane-4-yl-methyl	Ethanol	GLE	

	methacrylate/glycidyl methacrylate copolymer	1-Butanol	GLE	
		Decane	GLE	
		Hexane	GLE	
		Heptane	GLE	
		Octane	GLE	
		1-Pentanol	GLE	
		1-Propanol	GLE	
5	2-Phenyl-1,3-dioxolane-4-yl-methyl methacrylate/styrene copolymer	Ethanol	GLE	
		1-Butanol	GLE	
		Hexane	GLE	
		Heptane	GLE	
		Octane	GLE	
		1-Propanol	GLE	
6	3,4-Dichlorobenzyl methacrylate/ethyl methacrylate copolymer	Acetone	GLE	
		Ethanol	GLE	
		Ethyl acetate	GLE	
		Benzene	GLE	
		2-Butanone	GLE	
		Decane	GLE	
		Dodecane	GLE	
		Methyl acetate	GLE	
		Methanol	GLE	
		Octane	GLE	
		Toluene	GLE	
		o-Xylene	GLE	
		Nonane	GLE	
		n-Undecane	GLE	
7	3-Hydroxybutanoic acid/3-hydroxypentanoic acid copolymer	Chlorobenzene	VLE	
8	3-Mesityl-2-hydroxypropyl methacrylate/N-vinyl-2-Pyrrolidone copolymer	Ethanol	GLE	
		1-Butanol	GLE	
		Decane	GLE	
		Hexane	GLE	
		Heptane	GLE	
		Methanol	GLE	
		Octane	GLE	
		1-Pentanol	GLE	
		1-Propanol	GLE	
9	4-Vinylpyridine/styrene copolymer	2-Propanol	VLE	
		Methanol	VLE	
10	DL-Lactide/glycolide copolymer	Chlorodifluoromethane [R22]	LLE	cloud points
		Dimethyl ether	LLE	cloud points
		Carbon dioxide	LLE	cloud points
		Carbon dioxide	GLE	gas solubility
		Fluoroform [R23]	LLE	cloud points

11	L-Lactide/diglycidyl ether of bisphenol A/4,4'-hexafluoroisopropylidenediphenol terpolymer	Dimethyl ether	LLE	cloud points
12	L-Lactide/diglycidyl ether of bisphenol A/4,4'-isopropylidenediphenol terpolymer	Dimethyl ether	LLE	cloud points
13	L-Lactide/glycolide copolymer	Acetone	GLE	
		Ethanol	GLE	
		Ethyl acetate	GLE	
		Chloroform	GLE	
		Dichloromethane	GLE	
		Tetrahydrofuran	GLE	
		Water	GLE	
14	N,N-Diallylammonioethanoic acid/sulfur dioxide copolymer	Hydrogen chloride + Water + Potassium chloride + Poly(ethylene glycol)	LLE	coexistence data
15	N,N-Diethylacrylamide/acrylic acid copolymer	Water	LLE	cloud points, LCST
16	N,N-Diethylaminoethyl methacrylate/methyl methacrylate copolymer	Water	VLE	
17	N,N-Dimethylacrylamide/N-phenylacrylamide copolymer	Water	LLE	cloud points, LCST
18	N,N-Dimethylacrylamide/allyl methacrylate copolymer	Water	LLE	cloud points, LCST
19	N-Isopropylacrylamide/1-deoxy-1-methacrylamido-D-glucitol	Water	LLE	cloud points, LCST
20	N-Isopropylacrylamide/11-methacryloyloxyundecanoic acid copolymer	Water	LLE	cloud points, LCST
21	N-Isopropylacrylamide/4-pentenoic acid copolymer	Water	LLE	cloud points, LCST
22	N-Isopropylacrylamide/5-methacryloyloxy-pentanoic acid copolymer	Water	LLE	cloud points, LCST
23	N-Isopropylacrylamide/8-methacryloyloxyoctanoic acid copolymer	Water	LLE	cloud points, LCST
24	N-Isopropylacrylamide/N,N-dimethylacrylamide copolymer	Water	LLE	cloud points, LCST
25	N-Isopropylacrylamide/N-glycine acrylamide copolymer	Water	LLE	cloud points, LCST
26	N-Isopropylacrylamide/N-isopropylmethacrylamide copolymer	Water	LLE	cloud points, LCST
27	N-Isopropylacrylamide/acrylic acid copolymer	Water	LLE	cloud points, LCST
28	N-Isopropylacrylamide/itaconic acid copolymer	Water	LLE	cloud points, LCST
29	N-Isopropylacrylamide/sodium 2-acrylamido-2-methyl-propanesulfonate/N-tert-butylacrylamide terpolymer	Water	LLE	cloud points, LCST
30	N-Vinylcaprolactam/N-vinylamine copolymer	Water	LLE	cloud points, LCST, precipitation threshold
31	N-Vinylcaprolactam/methacrylic acid copolymer	Water	LLE	cloud points, LCST
32	N-Vinylisobutyramide/N-vinylamine copolymer	Water	LLE	cloud points, LCST
33	Acrylonitrile/2-(3-methyl-3-phenylcyclobutyl)-2-hydroxyethylmethacrylate copolymer	Acetone	GLE	
		Ethanol	GLE	
		Ethyl acetate	GLE	
		Benzene	GLE	
		2-Butanone	GLE	
		Decane	GLE	

	Dodecane	GLE
	Methyl acetate	GLE
	Methanol	GLE
	Octane	GLE
	Toluene	GLE
	o-Xylene	GLE
	Nonane	GLE
	n-Undecane	GLE
34	Acrylonitrile/butadiene copolymer	PVT
	Acetonitrile	VLE
	Acetone	GLE
	Ethyl acetate	GLE
	Ethylbenzene	GLE
	Benzene	GLE
	n-Butane	GLE
	Butyl chloride	GLE
	Chloroform	GLE
	Chloroform	VLE
	Cyclohexane	GLE
	Cyclohexane	VLE
	Decane	GLE
	1,4-Dioxane	GLE
	Hexane	GLE
	Hexane	VLE
	Heptane	GLE
	Octane	GLE
	Octane	VLE
	1-Octene	GLE
	Pentane	VLE
	2-Pentanone	GLE
	Tetrachloromethane	GLE
	Tetrahydrofuran	GLE
	Toluene	GLE
	2-Methylpropane	GLE
	1,3-Butadiene	GLE
	2,2-Dimethylbutane	GLE
	Nonane	GLE
	1,3,5-Trimethylbenzene	GLE
	n-Butylcyclohexane	GLE
35	Acrylonitrile/butadiene/styrene terpolymer	PVT
	1-Hexene + Styrene + Acrylonitrile	VLE
	Styrene + Acrylonitrile + 4- Methyl-1-pentene	VLE
36	Alkyd resin Beckosol 23	
	Acetonitrile	GLE
	Ethyl acetate	GLE
	Benzene	GLE
	1-Butanol	GLE
	2-Butanone	GLE

	Chloroform	GLE	
	Cyclohexane	GLE	
	1,2-Dichloroethane	GLE	
	N,N-Dimethylformamide (DMF)	GLE	
	Acetic acid butyl ester	GLE	
	Hexane	GLE	
	2-Propanol	GLE	
	2-Methoxyethanol	GLE	
	4-Methyl-2-pentanone	GLE	
	Toluene	GLE	
	Cyclohexanone	GLE	
	2-Ethoxyethanol	GLE	
37	alpha,omega-Dihydroxy poly(hexamethylene carbonate)	1,2,3-Propanetriol-triacetate	GLE
38	alpha,omega-Dihydroxy poly(oxyethyleneoxysuccinyl)-b-poly(oxyethylene) diblock copolymer	1,2,3-Propanetriol-triacetate	GLE
39	alpha,omega-Dihydroxy poly(tetramethylene carbonate)	1,2,3-Propanetriol-triacetate	GLE
		1,2,3-Propanetriol trinitrate <Nitroglycerin>	GLE
		1,2,4-Trinitroxybutane	GLE
40	alpha,omega-Dihydroxy poly[di(oxyethylene)oxyadipoyl]	1,2,3-Propanetriol-triacetate	GLE
41	alpha,omega-Dihydroxy poly[di(oxyethylene)oxysuccinyl]	1,2,3-Propanetriol-triacetate	GLE
42	alpha,omega-Dihydroxy poly[oxy-3-(2-methoxyethoxy)propyleneoxysuccinyl]	1,2,3-Propanetriol-triacetate	GLE
43	alpha,omega-Dihydroxy poly[tri(oxyethylene)oxysuccinyl]	1,2,3-Propanetriol-triacetate	GLE
44	bovine serum albumine	Water + Dipotassium hydrogen phosphate + Poly(ethylene glycol)	LLE coexistence data
		Water + Poly(ethylene glycol)	LLE cloud points
		Water + Poly(ethylene glycol)	LLE coexistence data
		Water + Poly(ethylene glycol)	LLE plait point composition
		Water + Poly(N-isopropyl acrylamide)	LLE cloud points, LCST
45	Butyl methacrylate/N,N-dimethylaminoethyl methacrylate block copolymer	Carbon dioxide	GLE gas solubility
46	Butyl methacrylate/perfluoroalkylethyl acrylate block copolymer	Carbon dioxide	GLE gas solubility
47	Butylene succinate/butylene adipate copolymer		PVT
		Carbon dioxide	GLE gas solubility
48	Casein	Water + ficoll	LLE coexistence data
49	Cellulose	Acetone + N,N-Dimethylacetamide	LLE cloud points
		Acetone + N,N-Dimethylacetamide	LLE coexistence data

		N,N-Dimethylacetamide + Polyacrylonitrile	LLE	coexistence data
50	Cellulose acetate	Acetone	VLE	
		N,N-Dimethylformamide (DMF)	VLE	
		1,4-Dioxane	VLE	
		Methyl acetate	VLE	
		Pyridine	VLE	
		Tetrahydrofuran + Polystyrene	LLE	coexistence data
51	Cellulose triacetate	Chloroform	VLE	
		Dichloromethane	VLE	
52	Cellulose tricarbonylacetate	Cyclohexanol	PVT	
		Cyclohexanol	deltaHmix	heat of mixing (general)
		5-Nonanone	PVT	
		5-Nonanone	deltaHmix	heat of mixing (general)
53	Chitosan	Water	PVT	
		Water + hydroxyethyl cellulose	PVT	
54	Chlorinated polypropylene	2-Butanone	PVT	
		Chloroform	PVT	
		Tetrachloromethane	PVT	
		Tetrahydrofuran	PVT	
		Toluene	PVT	
55	Chloropolyethylene	Acetonitrile	GLE	
		Acetone	GLE	
		Diethyl ether	GLE	
		Ethyl acetate	GLE	
		2-Butanone	GLE	
		Chloroform	GLE	
		Dichloromethane	GLE	
		1,4-Dioxane	GLE	
		Hexane	GLE	
		Methanol	GLE	
		Pentane	GLE	
		1-Propanol	GLE	
		Tetrahydrofuran	GLE	
56	Deca(ethylene glycol) monocetyl ether	Water + Poly(ethylene glycol)	LLE	cloud points
57	Deca(ethylene glycol) monooleyl ether	Water + Poly(ethylene glycol)	LLE	cloud points
58	Decamethylcyclopentasiloxane		PVT	
		Perfluoropentane	LLE	cloud points, UCST
		Perfluorohexane	LLE	cloud points, UCST
		Cyclodecane	PVT	
59	Decamethyltetrasiloxane	Ethylbenzene	PVT	
		Benzene	PVT	
		Heptane	PVT	
		m-Xylene	PVT	
		Perfluoropentane	LLE	cloud points, UCST

60	Dextran	Perfluoroheptane	LLE	cloud points, UCST
		Perfluorohexane	LLE	cloud points, UCST
		Perfluorobutane	LLE	cloud points, UCST
		Perfluoro-n-octane	LLE	cloud points, UCST
		Ethanol + Water	LLE	cloud points
		Ethanol + Water	LLE	coexistence data
		Dimethyl sulfoxide	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
		Dimethyl sulfoxide + Water	LLE	cloud points
		+ Carbon dioxide		
		Dimethyl sulfoxide + Carbon dioxide	LLE	cloud points
		Dimethyl sulfoxide + Carbon dioxide	LLE	cloud points (LL-->L)
		Dimethyl sulfoxide + Carbon dioxide	VLE	bubble points
		Dimethyl sulfoxide + Carbon dioxide	VLE/LLE	cloud points (VL-->VLL)
		Dimethyl sulfoxide + Carbon dioxide	VLE/LLE	cloud points (VLL-->LL)
		Water	PVT	
		Water	LLE	coexistence data
		Water	VLE	
		Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
		Water + Urea + Poly(ethylene glycol)	LLE	coexistence data
		Water + Glycine + Poly(ethylene glycol)	LLE	coexistence data
		Water + L-Glutamic acid + Poly(ethylene glycol)	LLE	coexistence data
		Water + Thiocyanic acid potassium salt + Poly(ethylene glycol)	LLE	coexistence data
		Water + Potassium chloride + Poly(ethylene glycol)	LLE	coexistence data
		Water + Sodium chloride + Poly(ethylene glycol)	LLE	coexistence data
		Water + Potassium sulfate + Poly(ethylene glycol)	LLE	coexistence data
		Water + Silver nitrate + Poly(ethylene glycol)	LLE	coexistence data
		Water + L-Phenylalanine + Poly(ethylene glycol)	LLE	coexistence data
		Water + L-Lysine + Poly(ethylene glycol)	LLE	coexistence data
		Water + Poly(ethylene glycol)	LLE	cloud points
		Water + Poly(ethylene glycol)	LLE	coexistence data
		Water + Poly(ethylene glycol)	LLE	coexistence data
		Water + Poly(ethylene glycol)	LLE	plait point composition

	glycol)		
	Water + Poly(ethylene glycol)	LLE	critical point
	Water + Poly(ethylene glycol)	GLE	gas solubility
	Water + Poly(ethylene glycol)	VLE	
	Water + Poly(1-vinyl-2-pyrrolidinone)	LLE	plait point composition
	Water + Poly(1-vinyl-2-pyrrolidinone)	LLE	critical point
	Water + Poly(ethylene oxide)-b-poly(propylene oxide)-b-poly(ethylene oxide) triblock copolymer	LLE	cloud points
	Water + Poly(ethylene oxide)-b-poly(propylene oxide)-b-poly(ethylene oxide) triblock copolymer	LLE	coexistence data
	Water + Poly(vinyl alcohol)	LLE	coexistence data
	Water + Poly(vinyl alcohol)	LLE	plait point composition
	Water + Poly(vinyl alcohol)	LLE	critical point
	Water + Poly(ethylene glycol) monomethyl ether	LLE	coexistence data
	Water + gelatin	LLE	cloud points
	Water + gelatin	LLE	coexistence data
	Water + methylcellulose	LLE	coexistence data
	Water + methylcellulose	LLE	plait point composition
	Water + ficoll	LLE	coexistence data
	Water + ficoll	LLE	critical point
	Water + Poly(N-vinylacetamide)	LLE	coexistence data
	Water + hydroxypropyl dextran	LLE	coexistence data
	Water + ethyl(hydroxyethyl)cellulose	LLE	plait point composition
	Water + penta(ethylene glycol) monododecyl ether	LLE	coexistence data
61	Di(ethylene glycol) dibutyl ether	Dodecane	PVT
		Dodecane	deltaHmix heat of mixing (general)
		Tetradecane	deltaHmix heat of mixing (general)
		1-Hexanol	PVT
		Hexadecane	deltaHmix heat of mixing (general)
		Diethylene glycol dimethyl ether	PVT
		Diethylene glycol dimethyl ether	deltaHmix heat of mixing (general)
62	Di(ethylene glycol) dihexyl ether	Diethylene glycol dimethyl ether	deltaHmix heat of mixing (general)
63	Di(trimethylsilyl)-poly(propylene oxide)	Decane	VLE
		Toluene	VLE
64	Dimethyl siloxane/bisphenol-A carbonate copolymer	Chlorobenzene	GLE

		Decane	GLE	
65	Dimethylsiloxane/methylphenylsiloxane copolymer	Acetone	LLE	cloud points, UCST
		Acetone	LLE	tie lines (UCST)
		Acetone	VLE	
		Methoxybenzene	LLE	cloud points, UCST
		Methoxybenzene	LLE	tie lines (UCST)
		Methoxybenzene	VLE	
66	Dodecamethylpentasiloxane	Perfluoropentane	LLE	cloud points, UCST
		Perfluoroheptane	LLE	cloud points, UCST
		Perfluorohexane	LLE	cloud points, UCST
		Perfluorobutane	LLE	cloud points, UCST
67	Dotriacontane	Ethyl acetate	GLE	
		Benzene	GLE	
		Cyclohexane	GLE	
		1,4-Dioxane	GLE	
		Octane	GLE	
		Tetrachloromethane	GLE	
		Tetrahydrofuran	GLE	
		Toluene	GLE	
68	Dpoxy resin Eponol 55	Acetonitrile	GLE	
		Ethyl acetate	GLE	
		Benzene	GLE	
		1-Butanol	GLE	
		2-Butanone	GLE	
		Chloroform	GLE	
		N,N-Dimethylformamide (DMF)	GLE	
		Acetic acid butyl ester	GLE	
		2-Propanol	GLE	
		2-Methoxyethanol	GLE	
		4-Methyl-2-pentanone	GLE	
		Toluene	GLE	
		Cyclohexanone	GLE	
		2-Ethoxyethanol	GLE	
69	Ethyl methacrylate/methacrylic acid copolymer	Benzene	GLE	
		Decane	GLE	
70	Ethyl(hydroxyethyl)cellulose	Water + Sodium sulfate	LLE	cloud points, LCST
		Water + dextran	LLE	plait point composition
71	Ethylene oxide-b-propylene oxide-b-ethylene oxide triblock copolymer		PVT	
72	Ethylene oxide/propylene oxide copolymer	1-Propanol	GLE	
		Water	PVT	
		Water	LLE	cloud points, LCST
		Water	LLE	tie lines (LCST)
		Water	VLE	
		Water + Sodium sulfate	LLE	cloud points, LCST
		Water + Sodium sulfate	LLE	coexistence data
		Water + Ammonium sulfate	LLE	coexistence data
		Water + Ammonium sulfate	VLE	

	Water + Sodium perchlorate	LLE	cloud points, LCST
	Water + Potassium dihydrogen phosphate	LLE	coexistence data
	Water + Dipotassium hydrogen phosphate	LLE	coexistence data
	Water + vinyl acetate/vinyl alcohol copolymer	LLE	coexistence data
	Water + hydroxypropyl starch	LLE	coexistence data
	Water + maltodextrin	LLE	coexistence data
	Nonane	GLE	
73	Ethylene terephthalate/p-hydroxybenzoic acid copolymer	Chloroform + Polycarbonate-bisphenol-A	LLE cloud points
74	Ethylene/1-butene copolymer	PVT	
	n-Butane	LLE	cloud points
	1-Hexene	VLE	
	Pentane	PVT	
	Pentane	LLE	cloud points
	Propane	LLE	cloud points
	1-Butene	LLE	cloud points
	1-Butene + Ethylene	LLE	cloud points
	Dimethyl ether	PVT	
	Dimethyl ether	LLE	cloud points
	Ethylene	LLE	cloud points
	Ethane	PVT	
	Ethane	LLE	cloud points
	Ethane + Pentane-D12	PVT	
	Dimethyl ether - D6 <Perdeuterodimethyl ether>	PVT	
	Pentane-D12	PVT	
75	Ethylene/1-hexene copolymer	PVT	
	n-Butane + 1-Hexene + Ethylene	LLE	cloud points
	n-Butane + Ethylene	LLE	cloud points
	n-Butane + Ethylene	LLE	coexistence data
	1-Hexene	VLE	
	1-Hexene + 2-Methylpropane	LLE	cloud points
	1-Hexene + Methane + Ethylene	LLE	cloud points
	1-Hexene + Ethylene	LLE	cloud points
	1-Hexene + Ethylene	LLE	coexistence data
	1-Hexene + Ethylene + Nitrogen	LLE	cloud points
	1-Hexene + Ethylene + Helium	LLE	cloud points
	Propane	LLE	cloud points
	Propane + Ethylene	LLE	cloud points
	2-Methylpropane	LLE	cloud points
	Carbon dioxide + Ethylene	LLE	cloud points
	Carbon dioxide + Ethylene	LLE	coexistence data

		Methane + Ethylene	LLE	cloud points
		Methane + Ethylene	LLE	coexistence data
		Ethylene	LLE	cloud points
		Ethylene	LLE	coexistence data
		Ethylene + Ethane	LLE	cloud points
		Ethylene + Nitrogen	LLE	cloud points
		Ethylene + Nitrogen	LLE	coexistence data
		Ethylene + Helium	LLE	cloud points
		Ethylene + Helium	LLE	coexistence data
76	Ethylene/1-octadecene copolymer	1-Hexene	VLE	
77	Ethylene/1-octene copolymer		PVT	
		Benzene	GLE	
		Cyclohexane	GLE	
		Dodecane	GLE	
		Hexane	GLE	
		Heptane	GLE	
		1-Hexene	GLE	
		1-Hexene	VLE	
		Octane	GLE	
		1-Octene	GLE	
		Toluene	GLE	
		Propane	LLE	cloud points
		Nonane	GLE	
		Pentadecane	GLE	
		Ethylene	LLE	cloud points
78	Ethylene/2-ethylhexyl acrylate copolymer	Ethylene	LLE	cloud points
		Ethylene + 2-Ethylhexyl acrylate	LLE	cloud points
79	Ethylene/acrylic acid copolymer		PVT	
		Ethanol + Ethylene	LLE	cloud points
		Ethyl acetate + Ethylene	LLE	cloud points
		Decane + Ethylene	LLE	cloud points
		Heptane + Ethylene	LLE	cloud points
		2,2,4-Trimethylpentane + Ethylene	LLE	cloud points
		Octanoic acid + Ethylene	LLE	cloud points
		Acrylic acid + Ethylene	LLE	cloud points
		Ethylene	LLE	cloud points
		Ethylene	LLE	coexistence data
		Ethylene	LLE	fract. by demixing
80	Ethylene/benzyl methacrylate copolymer	Ethylene	LLE	cloud points
		Ethylene + Benzyl methacrylate	LLE	cloud points
81	Ethylene/butyl acrylate copolymer	2-Propenoic acid butyl ester + Ethylene	LLE	cloud points
		2-Propenoic acid methyl ester + Ethylene	LLE	cloud points
		Ethylene	LLE	cloud points
82	Ethylene/butyl methacrylate copolymer	Ethylene	LLE	cloud points
83	Ethylene/butyl methacrylate/methacrylic acid	Ethylene	LLE	cloud points

	terpolymer			
84	Ethylene/carbon monoxide copolymer	Octane	GLE	
85	Ethylene/ethyl acrylate copolymer	Ethylene	LLE	cloud points
86	Ethylene/ethyl methacrylate copolymer	Ethylene + Ethyl methacrylate	LLE	cloud points
87	Ethylene/methacrylic acid copolymer		PVT	
		Ethylene	LLE	cloud points
88	Ethylene/methyl acrylate copolymer	Heptane + Ethylene	LLE	cloud points
		Vinyl acetate + Ethylene	LLE	cloud points
		2-Propenoic acid butyl ester + Ethylene	LLE	cloud points
		2-Propenoic acid methyl ester + Ethylene	LLE	cloud points
		Ethylene	LLE	cloud points
		Ethylene + 2-Ethylhexyl acrylate	LLE	cloud points
89	Ethylene/methyl acrylate/vinyl acetate terpolymer	Vinyl acetate + Ethylene	LLE	cloud points
		Ethylene	LLE	cloud points
90	Ethylene/methyl methacrylate copolymer	Ethylene	LLE	cloud points
91	Ethylene/norbornene copolymer	Toluene + Ethylene + 2-Norbornene	GLE	gas solubility
		Toluene + Ethylene + 2-Norbornene	VLE	
92	Ethylene/propyl acrylate copolymer	Ethylene	LLE	cloud points
93	Ethylene/propylene copolymer		PVT	
		Benzene	GLE	
		Chloroform	GLE	
		Cyclohexane	GLE	
		Dichloromethane	GLE	
		Dodecane + Propylene	LLE	cloud points
		Hexane	GLE	
		Hexane + Ethylene	VLE	partition coefficients
		Hexane + Propylene	VLE	partition coefficients
		Heptane	GLE	
		1-Hexene	LLE	cloud points
		1-Hexene + Ethylene	LLE	cloud points
		Octane	GLE	
		Pentane	GLE	
		Tetrachloromethane	GLE	
		Toluene	GLE	
		Propane	LLE	cloud points
		1-Butene	LLE	cloud points
		1-Butene + Ethylene	LLE	cloud points
		Carbon dioxide + Ethylene	LLE	cloud points
		Ethylene	LLE	cloud points
		Ethylene	LLE	coexistence data
		Ethylene	GLE	gas solubility
		Propylene	LLE	cloud points
		Propylene	LLE	coexistence data
		Propylene	GLE	gas solubility

94	Ethylene/propylene/diene terpolymer	Benzene	GLE	
		Hexane	GLE	
		Heptane	GLE	
		Octane	GLE	
		Toluene	GLE	
		Nonane	GLE	
95	Ethylene/propylene/ethylidenenorbornene terpolymer		PVT	
96	Ethylene/propylene/isoprene terpolymer	Propane	LLE	cloud points
		Dimethyl ether	LLE	cloud points
		Ethylene	LLE	cloud points
		Ethane	LLE	cloud points
		Propylene	LLE	cloud points
97	Ethylene/styrene copolymer		PVT	
98	Ethylene/vinyl acetate copolymer		PVT	
		Acetaldehyde	GLE	
		Acetonitrile	GLE	
		Acetone	GLE	
		Ethanol	GLE	
		Diethyl ether	GLE	
		Formic acid	GLE	
		Ethyl acetate	GLE	
		Ethyl acetate	VLE	
		2-Butanol	GLE	
		Chlorobenzene	GLE	
		Benzene	GLE	
		Benzene	VLE	
		Butyl bromide	GLE	
		1-Butanol	GLE	
		2-Butanone	GLE	
		n-Butane + Vinyl acetate + Ethylene	LLE	coexistence data
		n-Butane + Ethylene	LLE	coexistence data
		Butyl chloride	GLE	
		Chloroform	GLE	
		Chloroform	VLE	
		Cyclohexane	GLE	
		Cyclohexane	VLE	
		Cyclopentane	LLE	cloud points, LCST
		Methylcyclohexane	GLE	
		Decane	GLE	
		1,2-Dichloroethane	GLE	
		Dichloromethane	GLE	
		1,4-Dioxane	GLE	
		Acetic acid butyl ester	VLE	
Methyl acetate	LLE	cloud points, UCST		
Methyl acetate	VLE			
Acetic acid	GLE			
Hexane	GLE			

Heptane	GLE	
2-Propanol	GLE	
Methanol	GLE	
Nitromethane	GLE	
1-Nitropropane	GLE	
Octane	GLE	
1-Octene	GLE	
Pentane	GLE	
2-Pentanone	GLE	
Styrene + Polystyrene	LLE	cloud points
tert-Butanol + Vinyl acetate + Ethylene	LLE	cloud points
Tetrachloromethane	GLE	
Tetrahydrofuran	PVT	
Tetrahydrofuran	GLE	
Toluene	GLE	
Toluene	VLE	
Vinyl acetate	GLE	
Vinyl acetate	GLE	gas solubility
Vinyl acetate + Carbon dioxide + Ethylene	LLE	cloud points
Vinyl acetate + Carbon dioxide + Ethylene	LLE	coexistence data
Vinyl acetate + Methane + Ethylene	LLE	coexistence data
Vinyl acetate + Ethylene	LLE	cloud points
Vinyl acetate + Ethylene	LLE	coexistence data
Vinyl acetate + Ethylene	LLE	fract. by demixing
Vinyl acetate + Ethylene + Nitrogen	LLE	cloud points
Vinyl acetate + Ethylene + Nitrogen	LLE	coexistence data
Vinyl acetate + Ethylene + Helium	LLE	cloud points
Vinyl acetate + Ethylene + Helium	LLE	coexistence data
Water	GLE	
m-Xylene	GLE	
p-Xylene	VLE	
Nitroethane	GLE	
Acrylonitrile	GLE	
Propane + Ethylene	LLE	cloud points
Acetic acid propyl ester	GLE	
Acetic acid propyl ester	VLE	
2-Nitropropane	GLE	
3-Pentanone	GLE	
o-Xylene	VLE	
Propionitrile	GLE	
Furan	GLE	
Di-n-propyl ether	GLE	

	Diphenyl ether	LLE	cloud points, UCST
	Methyl chloride	GLE	
	Cyclopentene	LLE	cloud points, LCST
	Carbon dioxide	GLE	
	Carbon dioxide + Ethylene	LLE	cloud points
	Carbon dioxide + Ethylene	LLE	coexistence data
	Methane + Ethylene	LLE	coexistence data
	Ethylene	LLE	cloud points
	Ethylene	LLE	coexistence data
	Ethylene	LLE	fract. by demixing
	Ethylene	GLE	
	Ethylene	GLE	gas solubility
	Ethylene + Ethane	LLE	cloud points
	Ethylene + Nitrogen	LLE	cloud points
	Ethylene + Nitrogen	LLE	coexistence data
	Ethylene + Helium	LLE	cloud points
	Ethylene + Helium	LLE	coexistence data
	Ethane	GLE	
	2,2,2-Trifluoroethanol	GLE	
	2-Bromobutane	GLE	
	Sulfur dioxide	GLE	
99	Ethylene/vinyl alcohol copolymer	PVT	
100	Ethylhydroxyethylcellulose	LLE	cloud points, LCST
101	Ficoll	LLE	coexistence data
	Water + dextran	LLE	critical point
	Water + casein	LLE	coexistence data
102	Gelatin	LLE	cloud points
	Water + dextran	LLE	coexistence data
103	Guar gum	PVT	
104	Hepta(ethylene glycol) mono-n-tetradecyl ether	LLE	cloud points, LCST
	Water + Tetramethyl ammoniumchloride	LLE	cloud points, LCST
105	Hexamethyldisiloxane	PVT	
	Ethylbenzene	PVT	
	Benzene	PVT	
	Hexane	deltaHmix	heat of mixing (general)
	Heptane	PVT	
	m-Xylene	PVT	
	Perfluoropentane	LLE	cloud points, UCST
	Perfluoroheptane	LLE	cloud points, UCST
	Perfluorohexane	PVT	
	Perfluorohexane	LLE	cloud points, UCST
	Perfluorohexane	deltaHmix	heat of mixing (general)
	Perfluorobutane	LLE	cloud points, UCST
	Perfluoro-n-octane	LLE	cloud points, UCST
106	Hdroxyethyl cellulose	PVT	
	Water	VLE	
	Water + chitosan	PVT	
107	Hydroxypropyl cellulose	VLE	
	Acetone	VLE	
	Ethanol	VLE	

	Ethanol	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
	Tetrahydrofuran	VLE	
	Water	LLE	cloud points, LCST
	Water	GLE	
	Water	VLE	
	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
108	Hydroxypropyl starch	VLE	
	Water + Poly(ethylene glycol)	LLE	coexistence data
	Water + Poly(ethylene glycol)	GLE	gas solubility
	Water + ethylene oxide/propylene oxide copolymer	LLE	coexistence data
109	Hydroxypropyl(methyl)cellulose	PVT	
110	Hydroxypropyl dextran	LLE	coexistence data
111	Isobutyl methacrylate/acrylic acid copolymer	GLE	
	Decane	GLE	
112	Lignin	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
113	Maltodextrin	VLE	
	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
	Water + Poly(ethylene glycol)	LLE	coexistence data
	Water + Poly(propylene glycol)	LLE	coexistence data
	Water + ethylene oxide/propylene oxide copolymer	LLE	coexistence data
114	Maltopentaose	VLE	
115	Maltotetraose	VLE	
116	Maltotriose	VLE	
	Water	deltaHmix	heat of mixing (general)
117	Methoxydiethylene glycol methacrylate/dodecyl methacrylate copolymer	LLE	cloud points, LCST
118	Methoxydiethylene glycol methacrylate/methoxyoligoethylene glycol methacrylate copolymer	LLE	cloud points, LCST
119	Methyl methacrylate/n-butyl methacrylate copolymer	GLE	
	Ethanol	GLE	
	Ethyl acetate	GLE	
	1-Butanol	GLE	
	Chloroform	GLE	
	Dichloromethane	GLE	
	Methyl acetate	GLE	
	Methanol	GLE	
	1-Propanol	GLE	
	Acetic acid propyl ester	GLE	

		Methacrylic acid methyl ester	GLE	
		Methacrylic acid, butyl ester	GLE	
120	Methylcellulose	Water	LLE	cloud points, LCST
		Water + dextran	LLE	coexistence data
		Water + dextran	LLE	plait point composition
		Water + sodium dextran sulfate	LLE	coexistence data
121	Methylcellulose/hydroxypropylcellulose copolymer	Water	LLE	cloud points, LCST
122	n-Butyl methacrylate/N,N-dimethylaminoethyl methacrylate copolymer	Benzene	VLE	
		Toluene	VLE	
123	n-Eicosane	Carbon dioxide	GLE/PVT	gas solubility/density
124	n-Heptadecane	Pentane	VLE	
125	n-Hexadecane	Carbon dioxide	GLE	gas solubility
		Ethane	GLE/PVT	gas solubility/density
126	n-Hexatriacontane	Carbon dioxide	GLE/PVT	gas solubility/density
127	n-Octacosane	Carbon dioxide	GLE/PVT	gas solubility/density
		Ethane	GLE/PVT	gas solubility/density
128	n-Tetracontane	Ethylene	LLE	cloud points
129	n-Tetracosane	Carbon dioxide	GLE/PVT	gas solubility/density
		Ethane	GLE/PVT	gas solubility/density
130	Natural rubber		PVT	
		Acetone	VLE	
		Ethyl acetate	VLE	
		Ethylbenzene	GLE	
		Chlorobenzene	PVT	
		Benzene	PVT	
		Benzene	GLE	
		Benzene	VLE	
		2-Butanone	VLE	
		Cyclohexane	GLE	
		Decane	GLE	
		Hexane	GLE	
		Heptane	GLE	
		2,2,4-Trimethylpentane	GLE	
		2-Methylpentane	GLE	
		Octane	GLE	
		Pentane	GLE	
		Tetrachloromethane	PVT	
		Toluene	PVT	
		Toluene	GLE	
		Toluene	VLE	
		p-Xylene	GLE	
		Nonane	GLE	
		2-Methylhexane	GLE	
		2-Methylheptane	GLE	
131	Neoprene	Chlorobenzene	PVT	
		Toluene	PVT	

132 Nitrocellulose	Acetonitrile	VLE		
	Acetone	VLE		
	Acetone	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]	
	Formic acid ethyl ester	VLE		
	Ethyl acetate	VLE		
	1,4-Dioxane	VLE		
	Methyl acetate	VLE		
	Nitromethane	VLE		
	2-Pentanone	VLE		
	Propanoic acid ethyl ester	VLE		
	Acetic acid 3-methylbutyl ester	VLE		
	Acetic acid propyl ester	VLE		
	Cyclopentanone	VLE		
	Ethyl propyl ether	VLE		
	Methyl isopropyl ketone	VLE		
	3,3-Dimethyl-2-butanone	VLE		
	2,4-Dimethyl-3-pentanone	VLE		
	1,2,3-Propanetriol-triacetate	deltaHmix	heat of mixing (general)	
	2,4-Dinitrotoluene	deltaHmix	heat of mixing (general)	
	2,6-Dinitrotoluene	deltaHmix	heat of mixing (general)	
N,N'-Diethyl-N,N'-diphenylurea	deltaHmix	heat of mixing (general)		
133 nylon 6	Formic acid	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]	
	Ethylbenzene	GLE		
	Styrene	GLE	vapor/gas solubility	
	Toluene	GLE		
	.epsilon.-Caprolactam	GLE		
	Carbon dioxide	GLE	gas solubility	
	Carbon dioxide + 2,2,2-Trifluoroethanol	LLE	cloud points	
	Cyclic Dimer of .epsilon.-Caprolactame	GLE		
	134 Nylon 6,10	Water	VLE	
		135 Nylon 6,6	Water	VLE
136 Octamethylcyclotetrasiloxane			PVT	
	Benzene	PVT		
	Cyclopentane	PVT		
	Cyclopentane	deltaHmix	heat of mixing (general)	
	Hexane	PVT		
	Tetrachloromethane	PVT		
	Perfluoropentane	LLE	cloud points, UCST	
	Perfluorohexane	LLE	cloud points, UCST	
	Perfluorocyclohexane	PVT		
	Cyclodecane	PVT		
	137 Octamethyltrisiloxane	Ethylbenzene	PVT	
		Benzene	PVT	
Heptane		PVT		

	m-Xylene	PVT	
	Perfluoropentane	LLE	cloud points, UCST
	Perfluoroheptane	LLE	cloud points, UCST
	Perfluorohexane	PVT	
	Perfluorohexane	LLE	cloud points, UCST
	Perfluorobutane	LLE	cloud points, UCST
	Perfluoro-n-octane	LLE	cloud points, UCST
138	Oligochloro organosiloxane	PVT	
139	Oligofluoro organosiloxane	PVT	
140	Oligomethylene ester, cyclic	Chloroform	PVT
		1,4-Dioxane	PVT
141	Oligomethylene ester, linear	Chloroform	PVT
		1,4-Dioxane	PVT
142	p-Bromostyrene/p-methylstyrene copolymer	Toluene	VLE
143	penta(ethylene glycol) dimethyl ether	Methanol	PVT
		Methanol	deltaHmix heat of mixing (general)
144	Penta(ethylene glycol) monododecyl ether	Water + dextran	LLE coexistence data
		Water + sodium dextran sulfate	LLE coexistence data
145	Penta(ethylene glycol) monoheptyl ether	Dodecane	LLE cloud points
		Water	LLE cloud points
146	Perfluoro(oxyethylene-oxymethylene) copolymer		PVT
147	Perfluoropolyether	Carbon dioxide	VLE
148	Poly(1,1,2,2-tetrahydroperfluorodecyl acrylate)	Carbon dioxide	LLE cloud points
		Carbon dioxide	VLLE coexistence data
149	Poly(1,1-dihydroperfluorooctyl acrylate)	Carbon dioxide	LLE cloud points
150	Poly(1,1-dihydroxyperfluorooctyl acrylate)		PVT
151	Poly(1,2-butadiene)	Acetone	GLE
		Ethanol	GLE
		Ethyl acetate	GLE
		Ethylbenzene	GLE
		Chlorobenzene	GLE
		Benzene	GLE
		1-Butanol	GLE
		2-Butanone	GLE
		n-Butane	GLE
		n-Butane	VLE
		Butyl chloride	GLE
		Chloroform	GLE
		Cyclohexane	GLE
		Cyclopentane	GLE
		Cyclohexene	GLE
		Decane	GLE
		1,1-Dichloroethane [R 150a]	GLE
		1,2-Dichloroethane	GLE
		Dichloromethane	GLE
		1,4-Dioxane	GLE
		Acetic acid butyl ester	GLE
		Methyl acetate	GLE

	Hexane	GLE	
	Heptane	GLE	
	Octane	GLE	
	Pentane	GLE	
	1-Pentanol	GLE	
	1-Propanol	GLE	
	Tetrachloromethane	GLE	
	Tetrahydrofuran	GLE	
	Toluene	GLE	
	1,1,1-Trichloroethane [R140a]	GLE	
	Trichloroethylene	GLE	
	p-Xylene	GLE	
	Propane	GLE	
	Acetic acid propyl ester	GLE	
	1-Chlorooctane	GLE	
	Cycloheptane	GLE	
	Cyclooctane	GLE	
	Nonane	GLE	
	Methyl chloride	GLE	
	n-Undecane	GLE	
	1,4-Cyclohexadiene	GLE	
	1-Chloropentane	GLE	
	1-Chlorohexane	GLE	
152	Poly(1,2-butylene glycol) dimethyl ether	PVT	
153	Poly(1,2-propylene adipate)	Benzene	GLE
		Chloroform	GLE
		Cyclohexane	GLE
		Decane	GLE
		Hexane	GLE
		Heptane	GLE
		Octane	GLE
		Tetrachloromethane	GLE
		Tetrahydrofuran	GLE
		Toluene	GLE
		Nonane	GLE
154	Poly(1,3-dioxolane)	Benzene	VLE
		Water	PVT
155	Poly(1,4-cis-butadiene)		PVT
		Ethylbenzene	GLE
		Ethylbenzene	VLE
		Benzene	GLE
		Benzene	VLE
		Benzene	deltaHmix
			intermediary enthalpy of dilution [J/mol solvent]
		n-Butane	GLE
		n-Butane	VLE
		Butyl chloride	GLE
		Chloroform	GLE

	Chloroform	VLE	
	Cyclohexane	GLE	
	Cyclohexane	VLE	
	Cyclopentane	GLE	
	Decane	GLE	
	Dichloromethane	VLE	
	Dodecane	GLE	
	Hexane	GLE	
	Hexane	VLE	
	Heptane	GLE	
	2-Methylbutane	GLE	
	Octane	GLE	
	1-Octene	GLE	
	Pentane	GLE	
	Pentane	VLE	
	Tetrachloromethane	GLE	
	Tetrachloromethane	VLE	
	Toluene	GLE	
	Toluene	VLE	
	Toluene	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
	m-Xylene	GLE	
	Propane	GLE	
	2-Methylpropane	GLE	
	1,3-Butadiene	GLE	
	2,2-Dimethylbutane	GLE	
	Nonane	GLE	
	Nonane	VLE	
	1,3,5-Trimethylbenzene	GLE	
	Propylene	GLE	
156 Poly(1,4-cis-isoprene)	Acetone	VLE	
	Ethanol	VLE	
	2-Butanol	VLE	
	Ethylbenzene	VLE	
	Benzene	VLE	
	1-Butanol	VLE	
	2-Butanone	VLE	
	Chloroform	VLE	
	Cyclohexane	VLE	
	Cyclopentane	VLE	
	Dichloromethane	VLE	
	2,4-Dimethylpentane	LLE	cloud points, LCST, precipitation threshold
	Methyl acetate	VLE	
	Hexane	LLE	cloud points, LCST, precipitation threshold
	Heptane	LLE	cloud points, LCST
	2-Propanol	VLE	
	2,2,4-Trimethylpentane	LLE	cloud points, LCST, precipitation threshold

	Methanol	VLE	
	2-Methyl-1-propanol	VLE	
	Octane	LLE	cloud points, LCST, precipitation threshold
	Octane	VLE	
	1-Propanol	VLE	
	Tetrachloromethane	VLE	
	Toluene	VLE	
	p-Xylene	VLE	
	Acetic acid propyl ester	VLE	
	2,3-Dimethylpentane	LLE	cloud points, LCST, precipitation threshold
	Nonane	LLE	cloud points, LCST, precipitation threshold
	2,2-Dimethylpentane	LLE	cloud points, LCST, precipitation threshold
	3,4-Dimethylhexane	LLE	cloud points, LCST, precipitation threshold
	2,5-Dimethylhexane	LLE	cloud points, LCST, precipitation threshold
	3-Ethylpentane	LLE	cloud points, LCST, precipitation threshold
	2,2,4,4-Tetramethylpentane	LLE	cloud points, LCST, precipitation threshold
	2,3,4-Trimethylhexane	LLE	cloud points, LCST, precipitation threshold
157	Poly(1,4-trans-isoprene)	LLE	cloud points, LCST, precipitation threshold
	Hexane	LLE	cloud points, LCST, precipitation threshold
	Heptane	LLE	cloud points, LCST, precipitation threshold
	2,2,4-Trimethylpentane	LLE	cloud points, LCST, precipitation threshold
	Octane	LLE	cloud points, LCST, precipitation threshold
	2,3-Dimethylpentane	LLE	cloud points, LCST, precipitation threshold
	Nonane	LLE	cloud points, LCST, precipitation threshold
	2,2-Dimethylpentane	LLE	cloud points, LCST, precipitation threshold
	3,4-Dimethylhexane	LLE	cloud points, LCST, precipitation threshold
	2,5-Dimethylhexane	LLE	cloud points, LCST, precipitation threshold
	3-Ethylpentane	LLE	cloud points, LCST, precipitation threshold
	2,2,4,4-Tetramethylpentane	LLE	cloud points, LCST, precipitation threshold
	2,3,4-Trimethylhexane	LLE	cloud points, LCST, precipitation threshold
158	Poly(1-butene)	PVT	

	2-Butanol	LLE	binodal points
	1-Octanol	LLE	binodal points
	1-Butene	LLE	cloud points
159	Poly(1-decene)	Toluene	VLE
160	Poly(1-dodecene)	Toluene	VLE
161	Poly(1-heptene)	Toluene	VLE
162	Poly(1-octadecene)	Toluene	VLE
163	Poly(1-octene)		PVT
164	Poly(1-vinyl-2-pyrrolidinone)		PVT
	Acetonitrile		VLE
	Ethanol		VLE
	Ethanol	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
	1-Butanol		VLE
	1-Butanol	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
	2-Propanol		VLE
	Methanol		VLE
	1-Propanol	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
	Dimethyl sulfoxide		PVT
	Dimethyl sulfoxide + Water		PVT
	Water		PVT
	Water		VLE
	Water + N-Methyl-2-pyrrolidone + Polysulfone		LLE
	Water + N-Methyl-2-pyrrolidone + Polyetherimide		LLE
	Water + Sodium chloride		VLE
	Water + Magnesium sulfate		LLE
	Water + Sodium carbonate		LLE
	Water + Sodium carbonate		LLE
	Water + Sodium sulfate		LLE
	Water + Sodium sulfate		LLE
	Water + Ammonium sulfate		VLE
	Water + Potassium dihydrogen phosphate + Dipotassium hydrogen phosphate		LLE
	Water + Potassium dihydrogen phosphate + Dipotassium hydrogen phosphate		LLE
	Water + Potassium dihydrogen phosphate + Dipotassium hydrogen phosphate		LLE
	Water + Sodium dihydrogen phosphate		LLE
	Water + Sodium dihydrogen phosphate		LLE

	Water + Sodium dihydrogen phosphate	VLE		
	Water + Disodium phosphate	LLE	cloud points	
	Water + Disodium phosphate	LLE	coexistence data	
	Water + Trisodium phosphate	LLE	cloud points	
	Water + Trisodium phosphate	LLE	coexistence data	
	Water + Sodium citrate	PVT		
	Water + Sodium citrate	LLE	cloud points	
	Water + Sodium citrate	LLE	coexistence data	
	Water + Sodium citrate	VLE		
	Water + Potassium citrate	LLE	cloud points	
	Water + Potassium citrate	LLE	coexistence data	
	Water + Sodium succinate	LLE	cloud points	
	Water + Sodium succinate	LLE	coexistence data	
	Water + dextran	LLE	plait point composition	
	Water + dextran	LLE	critical point	
	Water + Poly(acrylic acid) sodium salt	LLE	cloud points	
	Water + Poly(acrylic acid) sodium salt	LLE	coexistence data	
	Water + Poly(ethylene sulfonic acid) sodium salt	LLE	cloud points	
	Water + Poly(ethylene sulfonic acid) sodium salt	LLE	coexistence data	
	Water + Poly(methacrylic acid) sodium salt	LLE	cloud points	
	Water + Poly(methacrylic acid) sodium salt	LLE	coexistence data	
	Water + Poly(acrylic acid) ammonium salt	LLE	cloud points	
	Water + Poly(styrene sulfonic acid) sodium salt	LLE	cloud points	
	N-Methyl-2-pyrrolidone + Carbon dioxide	LLE	cloud points	
165	Poly(1H,1H,2H,2H-perfluorodecyl monoitaconate)	Carbon dioxide	LLE	cloud points
166	Poly(1H,1H,2H,2H-perfluorododecyl monoitaconate)	Carbon dioxide	LLE	cloud points
167	Poly(1H,1H,2H,2H-perfluorohexyl monoitaconate)	Carbon dioxide	LLE	cloud points
168	Poly(1H,1H,2H,2H-perfluorooctyl monoitaconate)	Carbon dioxide	LLE	cloud points
169	Poly(2,2,2-trifluoroethyl methacrylate)	Carbon dioxide	LLE	cloud points
170	Poly(2,3-dimethylbutadiene)	Acetone	GLE	
		Ethanol	GLE	
		Ethyl acetate	GLE	
		Ethylbenzene	GLE	
		Chlorobenzene	GLE	
		Benzene	GLE	
		1-Butanol	GLE	
		2-Butanone	GLE	
		n-Butane	GLE	

	Butyl chloride	GLE		
	Chloroform	GLE		
	Cyclohexane	GLE		
	Cyclopentane	GLE		
	Cyclohexene	GLE		
	Decane	GLE		
	1,1-Dichloroethane [R 150a]	GLE		
	1,2-Dichloroethane	GLE		
	Dichloromethane	GLE		
	1,4-Dioxane	GLE		
	Acetic acid butyl ester	GLE		
	Methyl acetate	GLE		
	Hexane	GLE		
	Heptane	GLE		
	Octane	GLE		
	Pentane	GLE		
	1-Pentanol	GLE		
	1-Propanol	GLE		
	Tetrachloromethane	GLE		
	Tetrahydrofuran	GLE		
	Toluene	GLE		
	1,1,1-Trichloroethane [R140a]	GLE		
	Trichloroethylene	GLE		
	Propane	GLE		
	Acetic acid propyl ester	GLE		
	1-Chlorooctane	GLE		
	Cycloheptane	GLE		
	Cyclooctane	GLE		
	Nonane	GLE		
	Methyl chloride	GLE		
	n-Undecane	GLE		
	1,4-Cyclohexadiene	GLE		
	1-Chloropentane	GLE		
	1-Chlorohexane	GLE		
171	Poly(2,6-dimethyl-1,4-phenylene ether)	Carbon dioxide	GLE	gas solubility
		Carbon dioxide + Polystyrene	GLE	gas solubility
172	Poly(2,6-dimethyl-1,4-phenylene oxide)	Ethylbenzene	GLE	
		Bromobenzene	GLE	
		Chlorobenzene	GLE	
		Benzene	GLE	
		Decane	GLE	
		Butylbenzene	GLE	
		Octane	GLE	
		Toluene	GLE	
		Cyclohexanol	GLE	
		cis-Decahydronaphthalene	GLE	
		Acetophenone	GLE	

		n-Butylcyclohexane	GLE	
		3,4,5-Trimethylheptane	GLE	
173	Poly(2-[3-(6-tetralino)-3-methyl-1-cyclobutyl]-2-hydroxyethyl methacrylate)	Ethanol	GLE	
		1-Butanol	GLE	
		Decane	GLE	
		Hexane	GLE	
		Heptane	GLE	
		Methanol	GLE	
		Octane	GLE	
		1-Pentanol	GLE	
		1-Propanol	GLE	
174	Poly(2-ethylhexyl acrylate)	n-Butane	LLE	cloud points
		Propane	LLE	cloud points
		1-Butene	LLE	cloud points
		Dimethyl ether	LLE	cloud points
		Dimethyl ether + Carbon dioxide	LLE	cloud points
		Carbon dioxide	LLE	cloud points
		Carbon dioxide + 2-Ethylhexyl acrylate	LLE	cloud points
		Carbon dioxide + 2-Ethylhexyl acrylate	VLE	
		Propylene	LLE	cloud points
175	Poly(2-ethylhexyl methacrylate)	n-Butane	LLE	cloud points
		Propane	LLE	cloud points
		1-Butene	LLE	cloud points
		Dimethyl ether	LLE	cloud points
		Dimethyl ether + Carbon dioxide	LLE	cloud points
		Carbon dioxide	LLE	cloud points
		Carbon dioxide + 2-Ethylhexyl methacrylate	LLE	cloud points
		Carbon dioxide + 2-Ethylhexyl methacrylate	VLE	
		Carbon dioxide + 2-Ethylhexyl methacrylate	VLLE	
		Propylene	LLE	cloud points
176	Poly(2-hydroxyethyl acrylate)	Acetone	GLE	
		Ethanol	GLE	
		Ethyl acetate	GLE	
		Ethylbenzene	GLE	
		Chlorobenzene	GLE	
		Benzene	GLE	
		1-Butanol	GLE	
		2-Butanone	GLE	
		n-Butane	GLE	
		Butyl chloride	GLE	
		Chloroform	GLE	
		Cyclohexane	GLE	

	Cyclopentane	GLE	
	Cyclohexene	GLE	
	Decane	GLE	
	1,1-Dichloroethane [R 150a]	GLE	
	1,2-Dichloroethane	GLE	
	Dichloromethane	GLE	
	1,4-Dioxane	GLE	
	Acetic acid butyl ester	GLE	
	Methyl acetate	GLE	
	Hexane	GLE	
	Heptane	GLE	
	Octane	GLE	
	Pentane	GLE	
	1-Pentanol	GLE	
	1-Propanol	GLE	
	Tetrachloromethane	GLE	
	Tetrahydrofuran	GLE	
	Toluene	GLE	
	1,1,1-Trichloroethane [R140a]	GLE	
	Trichloroethylene	GLE	
	Propane	GLE	
	Acetic acid propyl ester	GLE	
	1-Chlorooctane	GLE	
	Cycloheptane	GLE	
	Cyclooctane	GLE	
	Nonane	GLE	
	Methyl chloride	GLE	
	n-Undecane	GLE	
	1,4-Cyclohexadiene	GLE	
	1-Chloropentane	GLE	
	1-Chlorohexane	GLE	
177	Poly(2-hydroxyethyl methacrylate)	2-Butanol	LLE cloud points, UCST
		1-Butanol	LLE cloud points, UCST
		N,N-Dimethylformamide (DMF)	GLE
		2-Methyl-1-propanol	LLE cloud points, UCST
		1-Propanol	LLE cloud points, UCST
		Tetradecane	GLE
		Glycerol	LLE cloud points, UCST
		Diethylene glycol monomethyl ether	GLE
178	Poly(2-hydroxypropyl acrylate)	Acetone	GLE
		Ethanol	GLE
		Ethyl acetate	GLE
		Ethylbenzene	GLE
		Chlorobenzene	GLE
		Benzene	GLE
		1-Butanol	GLE

	2-Butanone	GLE	
	n-Butane	GLE	
	Butyl chloride	GLE	
	Chloroform	GLE	
	Cyclohexane	GLE	
	Cyclopentane	GLE	
	Cyclohexene	GLE	
	Decane	GLE	
	1,1-Dichloroethane [R 150a]	GLE	
	1,2-Dichloroethane	GLE	
	Dichloromethane	GLE	
	1,4-Dioxane	GLE	
	Acetic acid butyl ester	GLE	
	Methyl acetate	GLE	
	Hexane	GLE	
	Heptane	GLE	
	Octane	GLE	
	Pentane	GLE	
	1-Pentanol	GLE	
	1-Propanol	GLE	
	Tetrachloromethane	GLE	
	Tetrahydrofuran	GLE	
	Toluene	GLE	
	1,1,1-Trichloroethane [R140a]	GLE	
	Trichloroethylene	GLE	
	Propane	GLE	
	Acetic acid propyl ester	GLE	
	1-Chlorooctane	GLE	
	Cycloheptane	GLE	
	Cyclooctane	GLE	
	Nonane	GLE	
	Methyl chloride	GLE	
	n-Undecane	GLE	
	1,4-Cyclohexadiene	GLE	
	1-Chloropentane	GLE	
	1-Chlorohexane	GLE	
179	Poly(2-methylstyrene)	Chloroform + Polystyrene	LLE cloud points, LCST
180	Poly(3-mesityl-2-hydroxypropyl methacrylate)	Ethanol	GLE
		1-Butanol	GLE
		Decane	GLE
		Hexane	GLE
		Heptane	GLE
		Methanol	GLE
		Octane	GLE
		1-Pentanol	GLE
		1-Propanol	GLE
181	Poly(3-methylstyrene)	Chloroform + Polystyrene	LLE cloud points, LCST
		Chloroform + Poly(4-	LLE cloud points, LCST

	methylstyrene)		
182	Poly(4-chlorostyrene)	PVT	
	Benzene + Polystyrene	LLE	cloud points, LCST
	Benzene + Poly(vinyl acetate)	LLE	coexistence data
	Benzene + Poly(4-methylstyrene)	LLE	cloud points, LCST
	Benzene + Poly(4-methylstyrene)	LLE	coexistence data
	Benzene + Poly(4-methoxystyrene)	LLE	cloud points, LCST
183	Poly(4-hydroxystyrene)	PVT	
	Acetone	PVT	
	Acetone	VLE	
	Acetone + Poly(vinyl acetate)	GLE	gas solubility
	Ethanol	PVT	
184	Poly(4-methoxystyrene)	LLE	cloud points, LCST
	Benzene + Poly(4-chlorostyrene)	LLE	cloud points, LCST
185	Poly(4-methyl-1-pentene)	PVT	
186	Poly(4-methylstyrene)	GLE	
	Ethylbenzene	GLE	
	Bromobenzene	GLE	
	Chlorobenzene	GLE	
	Benzene	GLE	
	Benzene + Poly(4-chlorostyrene)	LLE	cloud points, LCST
	Benzene + Poly(4-chlorostyrene)	LLE	coexistence data
	Chloroform + Polystyrene	LLE	cloud points, LCST
	Chloroform + Poly(3-methylstyrene)	LLE	cloud points, LCST
	Toluene	GLE	
	m-Xylene	GLE	
	p-Xylene	GLE	
	Propane	LLE	cloud points
	o-Xylene	GLE	
187	Poly(4-tert-butylstyrene)	GLE	
	Acetone	GLE	
	Ethanol	GLE	
	Ethyl acetate	GLE	
	Benzene	GLE	
	2-Butanone	GLE	
	Decane	GLE	
	Dodecane	GLE	
	Methyl acetate	GLE	
	Methanol	GLE	
	Octane	GLE	
	Toluene	GLE	
	o-Xylene	GLE	
	Nonane	GLE	
	n-Undecane	GLE	

188	Poly(4-vinylpyridine)	2-Propanol	VLE	
		Methanol	VLE	
		tert-Butanol	VLE	
189	Poly(4-vinylpyridine)-b-polystyrene diblock copolymer	Methanol	VLE	
190	Poly(D,L-lactide)		PVT	
		Acetone	GLE	
		Ethyl acetate	GLE	
		Benzene	GLE	
		2-Butanone	GLE	
		Chloroform	GLE	
		Dichloromethane	GLE	
		Hexane	GLE	
		Heptane	GLE	
		Pentane	GLE	
		Tetrachloromethane	GLE	
		Water	GLE	vapor/gas solubility
		Chlorodifluoromethane [R22]	LLE	cloud points
		Dimethyl ether	LLE	cloud points
		Dimethyl ether + Carbon dioxide	LLE	cloud points
		Carbon dioxide	LLE	cloud points
		Carbon dioxide	GLE	gas solubility
		Carbon dioxide	SOL/SCR	polymer solubility
		Oxygen	GLE	gas solubility
		Nitrogen	GLE	gas solubility
		Fluoroform [R23]	LLE	cloud points
		Difluoromethane [R32]	LLE	cloud points
		1,1,1,2-Tetrafluoroethane [R134a]	LLE	cloud points
191	Poly(L-lactide)	Acetone + Carbon dioxide	SOL/SCR	polymer solubility
		Dichloromethane + Carbon dioxide	LLE	cloud points
		Chlorodifluoromethane [R22]	LLE	cloud points
		Chlorodifluoromethane [R22] + Carbon dioxide	LLE	cloud points
		Dimethyl ether	LLE	cloud points
		1,1-Difluoroethane [R152a]	LLE	cloud points
		Carbon dioxide	SOL/SCR	polymer solubility
		Fluoroform [R23]	LLE	cloud points
		Difluoromethane [R32]	LLE	cloud points
		192	Poly(L-lysine)	Methanol + Water
193	Poly(L-ornithine)	Methanol + Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
194	Poly(N,N-diethylacrylamide)	Methanol + Water	LLE	cloud points, LCST
		Water	LLE	cloud points, LCST
		Deuterium oxide <Heavy water>	LLE	cloud points, LCST

		Deuterium oxide <Heavy water> + Perdeuteromethanol	LLE	cloud points, LCST
195	Poly(N,N-diethylaminoethyl methacrylate)	Water	VLE	
196	Poly(N,N-dimethylmethacrylamide)	Water	VLE	
197	Poly(N-ethylacrylamide)	Water + Potassium chloride	LLE	cloud points, LCST
		Water + Sodium dodecyl sulfate	LLE	cloud points, LCST
198	Poly(N-isopropyl acrylamide)	Ethanol + Water	LLE	cloud points, LCST
		1-Butanol + Water	LLE	cloud points, LCST
		Cyclohexane + Methanol	LLE	cloud points
		Methanol + Water	LLE	cloud points, LCST
		1-Propanol + Water	LLE	cloud points, LCST
		Dimethyl sulfoxide + Water	LLE	cloud points, LCST
		Water	PVT	
		Water	LLE	cloud points
		Water	LLE	cloud points, LCST
		Water	LLE	spinodal points (LCST)
		Water	VLE	
		Water + Glycerol	LLE	cloud points, LCST
		Water + Urea	LLE	cloud points, LCST
		Water + Tetra-n-butylammonium bromide	LLE	cloud points, LCST
		Water + Sodium iodide	LLE	cloud points, LCST
		Water + Potassium chloride	LLE	cloud points, LCST
		Water + Sodium bromide	LLE	cloud points, LCST
		Water + Sodium chloride	LLE	cloud points, LCST
		Water + Potassium bromide	LLE	cloud points, LCST
		Water + Ammonium bromide	LLE	cloud points, LCST
		Water + Potassium iodide	LLE	cloud points, LCST
		Water + Tetraethylammonium bromide	LLE	cloud points, LCST
		Water + Tetrapropylammonium bromide	LLE	cloud points, LCST
		Water + Sodium dodecyl sulfate	LLE	cloud points, LCST
		Water + Tetrapentylammonium bromide	LLE	cloud points, LCST
		Water + Tetramethylammonium bromide	LLE	cloud points, LCST
		Water + Poly(ethylene glycol)	LLE	cloud points, LCST
		Water + Poly(ethylene oxide)	LLE	cloud points, LCST
		Water + bovine serum albumine	LLE	cloud points, LCST
		Water + Poly(ethylene	LLE	cloud points, LCST

		oxide)-b-perfluorooctane-b-poly(ethylene oxide)		
		Deuterium oxide <Heavy water>	LLE	cloud points, LCST
199	Poly(N-isopropylmethacrylamide)	Water	LLE	cloud points, LCST
200	Poly(N-vinyl-N-propylacetamide)	Water	LLE	cloud points, LCST
201	Poly(N-vinylacetamide)	Water + Sodium sulfate	LLE	cloud points, LCST
		Water + Sodium sulfate	LLE	coexistence data
		Water + dextran	LLE	coexistence data
202	Poly(N-vinylcaprolactam)	Methanol + Water	LLE	cloud points, LCST
		Water	LLE	cloud points, LCST
		Water	LLE	cloud points, LCST, precipitation threshold
		Water + Sodium iodide	LLE	cloud points, LCST
		Water + Potassium chloride	LLE	cloud points, LCST
		Water + Sodium bromide	LLE	cloud points, LCST
		Water + Sodium chloride	LLE	cloud points, LCST
		Water + Potassium bromide	LLE	cloud points, LCST
		Water + Potassium fluoride	LLE	cloud points, LCST
		Water + Sodium fluoride	LLE	cloud points, LCST
		Water + Potassium iodide	LLE	cloud points, LCST
		Deuterium oxide <Heavy water>	LLE	cloud points, LCST
		Deuterium oxide <Heavy water> + Perdeuteromethanol	LLE	cloud points, LCST
		Deuterium oxide <Heavy water> + Potassium chloride	LLE	cloud points, LCST
203	Poly(N-vinylcarbazole)	Benzene	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
204	Poly(N-vinylisobutyramide)	Water	LLE	cloud points, LCST
		Water + Sodium dodecyl sulfate	LLE	cloud points, LCST
205	Poly([P-tris(trifluoroethoxy)-N-trimethylsilyl]phosphazene)	Carbon dioxide	LLE	cloud points
206	Poly(acrylic acid)	Ethanol	VLE	
		Ethanol	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
		Tetrahydrofuran	LLE	cloud points, LCST, precipitation threshold
		Water	PVT	densities
		Water	VLE	
		Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
		Water + Poly(ethylene glycol)	LLE	cloud points
207	Poly(acrylic acid) ammonium salt	Water + Poly(ethylene glycol)	LLE	cloud points
		Water + Poly(1-vinyl-2-pyrrolidinone)	LLE	cloud points
208	Poly(acrylic acid) sodium salt	Ethanol + Water	LLE	cloud points
		Ethanol + Water	LLE	coexistence data

	2-Propanol + Water	LLE	coexistence data
	Water	VLE	
	Water + Sodium chloride	VLE	
	Water + Poly(ethylene glycol)	LLE	cloud points
	Water + Poly(ethylene glycol)	LLE	coexistence data
	Water + Poly(ethylene oxide)	LLE	cloud points
	Water + Poly(ethylene oxide)	LLE	coexistence data
	Water + Poly(1-vinyl-2-pyrrolidinone)	LLE	cloud points
	Water + Poly(1-vinyl-2-pyrrolidinone)	LLE	coexistence data
209	Poly(alkylene glycol)	VLE	
	1,1,1,2-Tetrafluoroethane [R134a]	VLE	
210	Poly(alpha,L-glutamate) transesterificated with triethylene glycol monomethyl ether	LLE	coexistence data of isotropic-isotropic and isotropic-nematic equilibrium
	N,N-Dimethylformamide (DMF) + Poly(ethylene glycol)	LLE	isotropic/nematic LLE, coexistence data
	N,N-Dimethylformamide (DMF) + Poly(ethylene glycol) dimethyl ether	LLE	
211	Poly(alpha-methylstyrene)	PVT	
	Cyclohexane	LLE	cloud points, UCST
	Cyclohexane	LLE	cloud points, LCST
	Cyclohexane	LLE	cloud points, UCST, precipitation threshold
	Cyclohexane + alpha-Methyl styrene	GLE	gas solubility
	Cyclohexane + alpha-Methyl styrene	VLE	
	Cyclopentane	LLE	cloud points, UCST
	Cyclopentane	LLE	cloud points, LCST
	Methylcyclohexane	LLE	cloud points, UCST
	1,4-Dioxane	VLE	
	Acetic acid butyl ester	LLE	cloud points, UCST
	Acetic acid butyl ester	LLE	cloud points, LCST
	alpha-Methyl styrene	VLE	
	alpha-Methyl styrene + Toluene	GLE	gas solubility
	alpha-Methyl styrene + Toluene	VLE	
	trans-Decahydronaphthalene	LLE	cloud points, UCST
	Tetrahydrofuran	VLE	
	Toluene	VLE	
	Isopropylbenzene	VLE	
	Acetic acid pentyl ester	LLE	cloud points, UCST
	Acetic acid pentyl ester	LLE	cloud points, LCST
	Hexyl acetate	LLE	cloud points, UCST
	Hexyl acetate	LLE	cloud points, LCST

212	Poly(amide)-11		PVT	
		Carbon dioxide	SWELLING	
213	Poly(amidoamine) dendrimer	Acetonitrile	VLE	
		Acetone	VLE	
		Chloroform	VLE	
		Methanol	VLE	
		N-Propylamine	VLE	
214	Poly(ammonium acrylate)	Water	VLE	
		Water + Sodium chloride	VLE	
215	Poly(benzyl ether)	Acetone	VLE	
		Chloroform	VLE	
		Tetrahydrofuran	VLE	
		Toluene	VLE	
216	Poly(benzyl ether) dendrimer	Acetone	VLE	
		Chloroform	VLE	
		Cyclohexane	VLE	
		Pentane	VLE	
		Tetrahydrofuran	VLE	
		Toluene	VLE	
217	Poly(beta-hydroxybutyrate)	Carbon dioxide	SOL/SCR	polymer solubility
218	Poly(beta-propiolactone)	1,4-Dioxane	PVT	
219	Poly(butadiene), deuterated	o-Dichlorobenzene + Polystyrene	LLE	spinodal points
		o-Dichlorobenzene + Polystyrene	LLE	binodal and spinodal points
220	Poly(butadiene), hydrogenated	Ethylene	LLE	cloud points
221	Poly(butyl methacrylate)	Ethanol	LLE	cloud points
		Ethanol	LLE	cloud points, UCST, precipitation threshold
		1-Butanol	LLE	cloud points, UCST, precipitation threshold
		Cyclohexane + Polystyrene	VLE	
		Decane	LLE	cloud points, UCST, precipitation threshold
		Heptane	LLE	cloud points, UCST, precipitation threshold
		2-Propanol	LLE	cloud points, UCST, precipitation threshold
		2,2,4-Trimethylpentane	LLE	cloud points, UCST, precipitation threshold
		Octane	LLE	cloud points, UCST, precipitation threshold
		1-Pentanol	LLE	cloud points, UCST, precipitation threshold
		Tetrahydrofuran + Polystyrene	LLE	coexistence data
		Cyclohexanone + Polystyrene	LLE	cloud points, LCST
		Methacrylic acid, butyl ester + Carbon dioxide	LLE	cloud points
		Methacrylic acid, butyl ester + Carbon dioxide	VLE	

	Methacrylic acid, butyl ester + Carbon dioxide	VLLE	coexistence data
	Carbon dioxide	LLE	cloud points
	Carbon dioxide	GLE	gas solubility
	Ethylene	LLE	cloud points
222	Poly(butylene adipate)	Acetone	GLE
		Ethyl acetate	GLE
		Benzene	GLE
		2-Butanone	GLE
		Chloroform	GLE
		Dichloromethane	GLE
		Hexane	GLE
		Heptane	GLE
		Pentane	GLE
		Tetrachloromethane	GLE
223	Poly(butylene glycol)	Carbon dioxide	LLE cloud points
224	Poly(butylene oxide)-b-poly(ethylene oxide) diblock copolymer	Carbon dioxide	LLE cloud points
225	Poly(butylene succinate)		PVT
		Carbon dioxide	GLE gas solubility
226	Poly(butylene terephthalate)		PVT
227	Poly(carbonate) bisphenol-A		PVT
		1,4-Dioxane	deltaHmix intermediary enthalpy of dilution [J/mol solvent]
		Carbon dioxide	GLE/SWELLING
228	Poly(carbonate) bisphenol-chloral		PVT
229	Poly(carbonate) hexafluorobisphenol-A		PVT
230	Poly(carbonate) tetramethylene bisphenol-A		PVT
231	Poly(chlorotrifluoroethylene)	Carbon dioxide	GLE gas solubility
232	Poly(cyclohexyl acrylate)	Carbon dioxide + Cyclohexyl acrylate	LLE cloud points
		Carbon dioxide + Cyclohexyl acrylate	VLE
		Carbon dioxide + Cyclohexyl acrylate	VLLE
233	Poly(cyclohexyl methacrylate)		PVT
		Carbon dioxide + Cyclohexyl methacrylate	LLE cloud points
		Carbon dioxide + Cyclohexyl methacrylate	VLE
		Carbon dioxide + Cyclohexyl methacrylate	VLLE
234	Poly(cyclopentyl methacrylate)		PVT
235	Poly(decyl acrylate)	n-Butane	LLE cloud points
		Propane	LLE cloud points
		1-Butene	LLE cloud points
		Dimethyl ether	LLE cloud points
		Carbon dioxide	LLE cloud points
		Carbon dioxide + n-Decyl acrylate	LLE cloud points

		Carbon dioxide + n-Decyl acrylate	VLE	
		Carbon dioxide + n-Decyl acrylate	VLLE	
236	Poly(decyl methacrylate)	Propylene	LLE	cloud points
		1-Butanol	LLE	cloud points, UCST, precipitation threshold
		2-Propanol	LLE	cloud points, UCST, precipitation threshold
		1-Pentanol	LLE	cloud points, UCST, precipitation threshold
		Carbon dioxide + Decyl methacrylate	LLE	cloud points
		Carbon dioxide + Decyl methacrylate	VLE	
		Carbon dioxide + Decyl methacrylate	VLLE	
237	Poly(delta-valerolactone)	Acetone	GLE	
		Ethyl acetate	GLE	
		Benzene	GLE	
		2-Butanone	GLE	
		Chloroform	GLE	
		Dichloromethane	GLE	
		1,4-Dioxane	PVT	
		Hexane	GLE	
		Heptane	GLE	
		Pentane	GLE	
		Tetrachloromethane	GLE	
238	Poly(di-1H,1H,2H,2H-perfluordecyl diitaconate)	Carbon dioxide	LLE	cloud points
239	Poly(di-1H,1H,2H,2H-perfluorododecyl diitaconate)	Carbon dioxide	LLE	cloud points
240	Poly(di-1H,1H,2H,2H-perfluorohexyl diitaconate)	Carbon dioxide	LLE	cloud points
241	Poly(di-1H,1H,2H,2H-perfluorooctyl diitaconate)	Carbon dioxide	LLE	cloud points
242	Poly(diallyldimethylammonium chloride)	Water + Poly(ethylene glycol)	LLE	cloud points
243	Poly(dimethyl siloxane)-b-polycarbonate diblock copolymer	Chlorobenzene	GLE	
		Decane	GLE	
		Toluene	GLE	
		o-Dichlorobenzene	GLE	
244	Poly(dimethylsiloxane) monomethacrylate	Methacrylic acid methyl ester + Carbon dioxide	LLE	cloud points
		Carbon dioxide	LLE	cloud points
		Carbon dioxide + 1,1-Difluoroethene	LLE	cloud points
245	Poly(dimethylsiloxane), cyclic		PVT	
246	Poly(dimethylsiloxane)-g-poly(ethylene oxide) graft copolymer	Carbon dioxide	LLE	cloud points
247	Poly(dimethylsiloxane)-g-poly(ethylene oxide)-g-poly(propylene oxide) graft copolymer	Carbon dioxide	LLE	cloud points
248	Poly(dodecyl acrylate)	Chloroform	VLE	
249	Poly(eps-caprolacton)	Acetone	GLE	

Ethanol	GLE
Ethyl acetate	GLE
Ethylbenzene	GLE
Chlorobenzene	GLE
Benzene	GLE
1-Butanol	GLE
2-Butanone	GLE
n-Butane	GLE
Butyl chloride	GLE
Chloroform	GLE
Cyclohexane	GLE
Cyclopentane	GLE
Cyclohexene	GLE
Decane	GLE
1,1-Dichloroethane [R 150a]	GLE
1,2-Dichloroethane	GLE
Dichloromethane	GLE
1,4-Dioxane	GLE
Acetic acid butyl ester	GLE
Methyl acetate	GLE
Hexane	GLE
Heptane	GLE
Octane	GLE
Pentane	GLE
1-Pentanol	GLE
1-Propanol	GLE
Tetrachloromethane	GLE
Tetrachloromethane	VLE
Tetrachloromethane + Poly(vinyl chloride)	VLE
Tetrahydrofuran	GLE
Toluene	GLE
1,1,1-Trichloroethane [R140a]	GLE
Trichloroethylene	GLE
Propane	GLE
Acetic acid propyl ester	GLE
1-Chlorooctane	GLE
Cycloheptane	GLE
Cyclooctane	GLE
Nonane	GLE
Methyl chloride	GLE
n-Undecane	GLE
1,4-Cyclohexadiene	GLE
1-Chloropentane	GLE
1-Chlorohexane	GLE
250 Poly(eps-caprolactone)	PVT
Acetone	PVT
Acetone + Carbon dioxide	PVT

	Acetone + Carbon dioxide	LLE	cloud points
	Chloroform + Carbon dioxide	VLE/LLE	bubble + cloud points
	Dichloromethane + Carbon dioxide	VLE/LLE	bubble + cloud points
	1,4-Dioxane	PVT	
	Chlorodifluoromethane [R22]	LLE	cloud points
	Chlorodifluoromethane [R22] + 1-Butene	LLE	cloud points
	Chlorodifluoromethane [R22] + Carbon dioxide	LLE	cloud points
	Chlorodifluoromethane [R22] + Propylene	LLE	cloud points
	1-Butene	LLE	cloud points
	1-Butene + Dimethyl ether	LLE	cloud points
	Dimethyl ether	LLE	cloud points
	Dimethyl ether + Carbon dioxide	LLE	cloud points
	Dimethyl ether + Propylene	LLE	cloud points
	Carbon dioxide	LLE	cloud points
	Carbon dioxide	GLE	gas solubility
	Propylene	LLE	cloud points
251 Poly(ethyl acrylate)	Acetonitrile	GLE	
	Acetone	GLE	
	Ethanol	GLE	
	Ethyl acetate	GLE	
	Ethylbenzene	GLE	
	Chlorobenzene	GLE	
	Benzene	GLE	
	Benzene	VLE	
	1-Butanol	GLE	
	2-Butanone	GLE	
	n-Butane	GLE	
	Butyl chloride	GLE	
	Chloroform	GLE	
	Chloroform	VLE	
	Cyclohexane	GLE	
	Cyclopentane	GLE	
	Decane	GLE	
	1,1-Dichloroethane [R 150a]	GLE	
	1,2-Dichloroethane	GLE	
	Dichloromethane	GLE	
	Dichloromethane	VLE	
	1,4-Dioxane	GLE	
	Acetic acid butyl ester	GLE	
	Methyl acetate	GLE	
	Hexane	GLE	
	Heptane	GLE	
	2-Propanol	GLE	

	4-Methyl-2-pentanone	GLE	
	Octane	GLE	
	Pentane	GLE	
	1-Propanol	GLE	
	Tetrachloromethane	GLE	
	Tetrachloromethane	VLE	
	Tetrahydrofuran	GLE	
	Toluene	GLE	
	Toluene	VLE	
	1,1,1-Trichloroethane [R140a]	GLE	
	Trichloroethylene	GLE	
	Propane	GLE	
	Acetic acid propyl ester	GLE	
	2-Propenoic acid ethyl ester + 1-Butene	LLE	cloud points
	2-Propenoic acid ethyl ester + Carbon dioxide	LLE	cloud points
	2-Propenoic acid ethyl ester + Carbon dioxide	VLE	
	2-Propenoic acid ethyl ester + Carbon dioxide	VLLE	
	2-Propenoic acid ethyl ester + Propylene	LLE	cloud points
	2-Propenoic acid ethyl ester + Propylene	VLE	
	2-Propenoic acid ethyl ester + Propylene	VLLE	
	o-Xylene	GLE	
	1-Butene	LLE	cloud points
	Cycloheptane	GLE	
	Cyclooctane	GLE	
	Nonane	GLE	
	n-Undecane	GLE	
	Carbon dioxide	LLE	cloud points
	Ethylene	LLE	cloud points
	Propylene	LLE	cloud points
	1-Chloropentane	GLE	
252	Poly(ethyl methacrylate)		
	Acetonitrile	GLE	
	Acetone	GLE	
	Ethanol	GLE	
	Ethyl acetate	GLE	
	Ethylbenzene	GLE	
	Benzene	GLE	
	Benzene	VLE	
	1-Butanol	GLE	
	2-Butanone	GLE	
	Chloroform	GLE	
	Chloroform	VLE	
	Decane	GLE	

	1,2-Dichloroethane	GLE		
	Dichloromethane	VLE		
	N,N-Dimethylformamide (DMF)	GLE		
	Dodecane	GLE		
	Acetic acid butyl ester	GLE		
	Methyl acetate	GLE		
	Hexane	GLE		
	Heptane	GLE		
	2-Propanol	GLE		
	Methanol	GLE		
	Octane	GLE		
	1-Propanol	GLE		
	Dimethyl sulfoxide	GLE		
	Tetrachloromethane	VLE		
	Tetrahydrofuran	GLE		
	Toluene	GLE		
	Toluene	VLE		
	N,N-Dimethylacetamide	GLE		
	Acetic acid propyl ester	GLE		
	Cyclohexanone	GLE		
	N-Methyl-2-pyrrolidone	GLE		
	o-Xylene	GLE		
	Nonane	GLE		
	2-Pentanol	GLE		
	n-Undecane	GLE		
	Carbon dioxide + Ethyl methacrylate	LLE	cloud points	
	Carbon dioxide + Ethyl methacrylate	VLE	bubble points	
	Carbon dioxide + Ethyl methacrylate	VLLE		
253	Poly(ethylene adipate)	Acetone	GLE	
		Ethyl acetate	GLE	
		Benzene	GLE	
		2-Butanone	GLE	
		Chloroform	GLE	
		Dichloromethane	GLE	
		Hexane	GLE	
		Heptane	GLE	
		Pentane	GLE	
		Tetrachloromethane	GLE	
254	Poly(ethylene glycol)		PVT	
		Acetonitrile	VLE	
		Acetone	GLE	
		Ethyl bromide	GLE	
		1,2-Ethandiol + Water	LLE	cloud points
		Ethyl iodide	GLE	
		Ethanol	PVT	
		Ethanol	GLE	

Ethanol	VLE	
Ethanol	deltaHmix	heat of mixing (general)
Ethanol	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Ethanol + Water	VLE	
Ethanol + Carbon dioxide	LLE	cloud points
Diethyl ether	GLE	
2-Propen-1-ol	GLE	
Formic acid ethyl ester	GLE	
Methoxybenzene	PVT	
Methoxybenzene	deltaHmix	heat of mixing (general)
Methoxybenzene + Poly(propylene glycol)	PVT	
Methoxybenzene + Poly(ethylene glycol) monomethyl ether	PVT	
Ethyl acetate	PVT	
Ethyl acetate	GLE	
2-Butanol	GLE	
Benzyl alcohol	PVT	
Benzyl alcohol	deltaHmix	heat of mixing (general)
Ethylbenzene	VLE	
Nitrobenzene	PVT	
Benzene	PVT	
Benzene	GLE	
Benzene	VLE	
Benzene	deltaHmix	heat of mixing (general)
Benzene	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Butyl bromide	GLE	
1-Butanol	PVT	
1-Butanol	GLE	
1-Butanol	VLE	
1-Butanol	deltaHmix	heat of mixing (general)
1-Butanol	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
2-Butanone	GLE	
cis-1,2-Dichloroethylene	GLE	
Chloroform	GLE	
Chloroform	VLE	
Chloroform + Heptane	LLE	cloud points
Cyclohexane	GLE	
Cyclohexene	GLE	
Formic acid isopentyl ester	GLE	
Decane	GLE	
trans-1,2-Dichloroethene	GLE	
Dichloromethane	GLE	
Dichloromethane + Heptane	LLE	cloud points
N,N-Dimethylformamide (DMF) + Poly(alpha,L-	LLE	coexistence data of isotropic-isotropic and

glutamate) transesterificated with triethylene glycol monomethyl ether		isotropic-nematic equilibrium
Dimethoxymethane	PVT	
Dimethoxymethane	deltaHmix	heat of mixing (general)
2,4-Dimethylpentane	GLE	
1,4-Dioxane	PVT	
1,4-Dioxane	GLE	
1,4-Dioxane	deltaHmix	heat of mixing (general)
Dodecane	GLE	
Methyl acetate	PVT	
Methyl acetate	GLE	
Hexane	GLE	
Heptane	GLE	
Heptane + Methanol	LLE	cloud points
2-Propanol + Water	VLE	
1-Hexene	GLE	
Methanol	PVT	
Methanol	PVT	densities
Methanol	GLE	
Methanol	VLE	
Methanol	deltaHmix	heat of mixing (general)
Methanol	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Methanol + Carbon dioxide	VLE/LLE	bubble + cloud points
2-Methylpentane	GLE	
3-Methylpentane	GLE	
Nitromethane	GLE	
Octane	GLE	
Pentane	GLE	
1-Pentanol	GLE	
1-Pentanol + Carbon dioxide	GLE	gas solubility
2-Pentanone	GLE	
1-Propanol	PVT	
1-Propanol	GLE	
1-Propanol	VLE	
1-Propanol	deltaHmix	heat of mixing (general)
Pyridine	GLE	
Hydrogen chloride + Water + Potassium chloride + N,N- diallylammonioethanoic acid/sulfur dioxide copolymer	LLE	coexistence data
Sulfuric acid + Water + Ammonium thiocyanate + Ammonium sulfate	LLE	coexistence data
Dimethyl sulfoxide	PVT	
Dimethyl sulfoxide	deltaHmix	heat of mixing (general)
Tetrachloromethane	GLE	
Tetrachloromethane	VLE	
Tetrachloromethane	deltaHmix	heat of mixing (general)

Tetrachloromethane	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Tetrahydrofuran	PVT	
Tetrahydrofuran	deltaHmix	heat of mixing (general)
Toluene	PVT	
Toluene	GLE	
Toluene	VLE	
Water	PVT	
Water	LLE	cloud points, UCST
Water	LLE	cloud points, LCST
Water	GLE	
Water	GLE	gas solubility
Water	VLE	
Water	deltaHmix	heat of mixing (general)
Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Water + Glycerol	LLE	cloud points
Water + Propane	GLE	gas solubility
Water + Methane	GLE	gas solubility
Water + Ethane	GLE	gas solubility
Water + Argon	GLE	gas solubility
Water + Urea + Sodium sulfate	LLE	coexistence data
Water + Urea + Potassium dihydrogen phosphate + Dipotassium hydrogen phosphate	LLE	coexistence data
Water + Urea + dextran	LLE	coexistence data
Water + D-(+)-Saccharose	PVT	
Water + D-(+)-Saccharose + Sodium chloride	PVT	
Water + Glycine + Dipotassium hydrogen phosphate	LLE	coexistence data
Water + Glycine + dextran	LLE	coexistence data
Water + L-Glutamic acid + Dipotassium hydrogen phosphate	LLE	coexistence data
Water + L-Glutamic acid + dextran	LLE	coexistence data
Water + Thiocyanic acid potassium salt + dextran	LLE	coexistence data
Water + Potassium chloride	PVT	
Water + Potassium chloride	LLE	cloud points
Water + Potassium chloride	LLE	coexistence data
Water + Potassium chloride + dextran	LLE	coexistence data
Water + Sodium nitrate	PVT	
Water + Sodium nitrate	LLE	cloud points
Water + Sodium nitrate	LLE	coexistence data
Water + Sodium chloride	PVT	
Water + Sodium chloride	LLE	cloud points

Water + Sodium chloride	LLE	coexistence data
Water + Sodium chloride	VLE	
Water + Sodium chloride + dextran	LLE	coexistence data
Water + Cesium carbonate	LLE	cloud points
Water + Cesium carbonate	LLE	coexistence data
Water + Cesium sulfate	LLE	cloud points
Water + Cesium sulfate	LLE	coexistence data
Water + Magnesium sulfate	LLE	cloud points
Water + Magnesium sulfate	LLE	coexistence data
Water + Magnesium sulfate	LLE	critical point
Water + Magnesium sulfate	GLE	gas solubility
Water + Magnesium sulfate	VLE	
Water + Potassium carbonate	LLE	cloud points
Water + Potassium carbonate	LLE	coexistence data
Water + Potassium sulfate + dextran	LLE	coexistence data
Water + Lithium sulfate	LLE	cloud points
Water + Lithium sulfate	LLE	coexistence data
Water + Silver nitrate + dextran	LLE	coexistence data
Water + Sodium carbonate	PVT	
Water + Sodium carbonate	LLE	cloud points
Water + Sodium carbonate	LLE	coexistence data
Water + Sodium carbonate	GLE	gas solubility
Water + Sodium hydroxide	LLE	cloud points
Water + Sodium hydroxide	LLE	coexistence data
Water + Sodium hydroxide	LLE	coexistence data
Water + Sodium sulfate	LLE	cloud points
Water + Sodium sulfate	LLE	coexistence data
Water + Sodium sulfate	GLE	gas solubility
Water + Sodium sulfate + Lysozyme	LLE	coexistence data
Water + Sodium sulfate + alpha-Amylase	LLE	coexistence data
Water + Ammonium sulfate	LLE	cloud points
Water + Ammonium sulfate	LLE	coexistence data
Water + Ammonium sulfate	LLE	coexistence data
Water + Ammonium sulfate	LLE	critical point
Water + Ammonium sulfate	VLE	
Water + Zinc sulfate	LLE	cloud points
Water + Zinc sulfate	LLE	coexistence data
Water + Potassium dihydrogen phosphate	LLE	cloud points
Water + Potassium dihydrogen phosphate	VLE	
Water + Potassium dihydrogen phosphate + Dipotassium hydrogen phosphate	LLE	coexistence data
Water + Potassium	LLE	coexistence data

dihydrogen phosphate + Dipotassium hydrogen phosphate			
Water + Potassium	LLE		plait point composition
dihydrogen phosphate + Dipotassium hydrogen phosphate			
Water + Potassium	LLE		critical point
dihydrogen phosphate + Dipotassium hydrogen phosphate			
Water + Potassium	LLE		coexistence data
dihydrogen phosphate + Dipotassium hydrogen phosphate + Lysozyme			
Water + Potassium	LLE		coexistence data
dihydrogen phosphate + Dipotassium hydrogen phosphate + alpha-Amylase			
Water + Sodium dihydrogen phosphate	PVT		
Water + Sodium dihydrogen phosphate	LLE		cloud points
Water + Sodium dihydrogen phosphate	LLE		coexistence data
Water + Sodium dihydrogen phosphate + Disodium phosphate	PVT		
Water + Sodium dihydrogen phosphate + Disodium phosphate	LLE		critical point
Water + Manganese sulfate	LLE		cloud points
Water + Manganese sulfate	LLE		coexistence data
Water + Potassium phosphate	LLE		cloud points
Water + Potassium phosphate	LLE		coexistence data
Water + Sodium formate	PVT		
Water + L-Phenylalanine + Dipotassium hydrogen phosphate	LLE		coexistence data
Water + L-Phenylalanine + dextran	LLE		coexistence data
Water + Dipotassium hydrogen phosphate	LLE		cloud points
Water + Dipotassium hydrogen phosphate	LLE		coexistence data
Water + Dipotassium hydrogen phosphate	VLE		
Water + Dipotassium hydrogen phosphate + L-Lysine	LLE		coexistence data
Water + Dipotassium hydrogen phosphate + Lysozyme	LLE		coexistence data

Water + Dipotassium hydrogen phosphate + Lysozyme hydrochloride	LLE	coexistence data
Water + Dipotassium hydrogen phosphate + bovine serum albumine	LLE	coexistence data
Water + D-Glucose	LLE	coexistence data
Water + Disodium phosphate	PVT	
Water + Disodium phosphate	LLE	cloud points
Water + Disodium phosphate	LLE	coexistence data
Water + Trisodium phosphate	LLE	cloud points
Water + Trisodium phosphate	LLE	coexistence data
Water + Ammonium dihydrogen phosphate	LLE	cloud points
Water + Ammonium dihydrogen phosphate	LLE	coexistence data
Water + Ferrous sulfate	LLE	coexistence data
Water + Sodium bisulfate	PVT	
Water + Sodium bisulfate	LLE	cloud points
Water + Diammonium phosphate	LLE	cloud points
Water + Diammonium phosphate	LLE	coexistence data
Water + L-Lysine + dextran	LLE	coexistence data
Water + Ammonium hydrogencarbonate + Ammonium carbamate	LLE	coexistence data
Water + Sodium citrate	LLE	cloud points
Water + Sodium citrate	LLE	coexistence data
Water + Sodium citrate	VLE	
Water + Potassium citrate	LLE	cloud points
Water + Potassium citrate	LLE	coexistence data
Water + Potassium citrate	LLE	critical point
Water + Potassium citrate	VLE	
Water + Sodium succinate	PVT	
Water + Magnesium sulfate heptahydrate	LLE	cloud points
Water + Magnesium sulfate heptahydrate	LLE	coexistence data
Water + Ammonium carbamate	LLE	coexistence data
Water + Sodium tartrate	LLE	critical point
Water + Sodium citrate dihydrate	PVT	
Water + Sodium citrate dihydrate	LLE	cloud points
Water + Sodium citrate dihydrate	LLE	coexistence data
Water + dextran	LLE	cloud points
Water + dextran	LLE	coexistence data

Water + dextran	LLE	coexistence data
Water + dextran	LLE	plait point composition
Water + dextran	LLE	critical point
Water + dextran	GLE	gas solubility
Water + dextran	VLE	
Water + Poly(propylene glycol)	GLE	gas solubility
Water + Poly(propylene glycol)	VLE	
Water + vinyl acetate/vinyl alcohol copolymer	LLE	coexistence data
Water + Poly(N-isopropyl acrylamide)	LLE	cloud points, LCST
Water + Poly(acrylic acid) sodium salt	LLE	cloud points
Water + Poly(acrylic acid) sodium salt	LLE	coexistence data
Water + Poly(ethylene sulfonic acid) sodium salt	LLE	cloud points
Water + Poly(ethylene sulfonic acid) sodium salt	LLE	coexistence data
Water + Poly(methacrylic acid) sodium salt	LLE	cloud points
Water + Poly(methacrylic acid) sodium salt	LLE	coexistence data
Water + hydroxypropyl starch	LLE	coexistence data
Water + hydroxypropyl starch	GLE	gas solubility
Water + Poly(acrylic acid) ammonium salt	LLE	cloud points
Water + Polyethylenimine	LLE	cloud points
Water + Polyethylenimine	LLE	coexistence data
Water + maltodextrin	LLE	coexistence data
Water + Poly(acrylic acid)	LLE	cloud points
Water + Poly(styrene sulfonic acid) sodium salt	LLE	cloud points
Water + sodium dextran sulfate	LLE	coexistence data
Water + Poly(diallyldimethylammonium chloride)	LLE	cloud points
Water + bovine serum albumine	LLE	cloud points
Water + bovine serum albumine	LLE	coexistence data
Water + bovine serum albumine	LLE	plait point composition
Water + Polysaccharide	LLE	coexistence data
Water + deca(ethylene glycol) monooleyl ether	LLE	cloud points
Water + deca(ethylene glycol) monocetyl ether	LLE	cloud points

Water + xanthan	LLE	coexistence data
m-Xylene	GLE	
p-Xylene	GLE	
p-Xylene	VLE	
Propanoic acid ethyl ester	GLE	
1,2-Dimethoxyethane	PVT	
1,2-Dimethoxyethane	deltaHmix	heat of mixing (general)
Propane	GLE/LLE	gas solubility/cloud points
1-Pentene	GLE	
2-Methyl-2-butene	GLE	
2-Methyl-1-butene	GLE	
2-Ethoxyethanol	PVT	densities
Formic acid butyl ester	GLE	
Methyl formate	GLE	
N-Methylacetamide	PVT	
2-Methyltetrahydrofuran	PVT	
1-Hexanol	VLE	
o-Xylene	GLE	
3-Chloro-1-propene	GLE	
1-Chloropropane	GLE	
1-Octanol	PVT	
1-Octanol + Carbon dioxide	GLE	gas solubility
2,3-Dimethylbutane	GLE	
1-Butene	LLE	cloud points
2,2-Dimethylbutane	GLE	
Acetophenone	PVT	
1,3-Dioxolane	PVT	
1,3-Dioxolane	deltaHmix	heat of mixing (general)
Nonane	GLE	
Formic acid propyl ester	GLE	
Carbonic acid dimethyl ester	PVT	
Carbonic acid dimethyl ester	GLE	
Diethylene glycol ethyl ether	PVT	densities
Diethylene glycol + Carbon dioxide	LLE	cloud points
3-Methylhexane	GLE	
Sulfolane	PVT	
1-Heptene	GLE	
3-Methylheptane	GLE	
Formamide	PVT	
Propyl bromide	GLE	
n-Undecane	GLE	
Propylene carbonate	deltaHmix	heat of mixing (general)
Tetrahydropyran	PVT	
Tetrahydropyran	deltaHmix	heat of mixing (general)
Cyclopentene	GLE	
Carbon dioxide	LLE	cloud points
Carbon dioxide	LLE	coexistence data

	Carbon dioxide	GLE/LLE	gas solubility/cloud points	
	Carbon dioxide	GLE/SWELLING		
	Propylene	LLE	cloud points	
	Nitrogen	GLE	gas solubility	
	3-Heptanone	GLE		
	2-Bromobutane	GLE		
	3-Phenyl-1-propanol	deltaHmix	heat of mixing (general)	
	1,2,3-Propanetriol-triacetate	GLE		
	2-Phenylethanol	deltaHmix	heat of mixing (general)	
	Carbonic acid diethyl ester	PVT		
	Carbonic acid diethyl ester	deltaHmix	heat of mixing (general)	
	1-Iodopropane	GLE		
	1,2,3-Propanetriol trinitrate <Nitroglycerin>	GLE		
	Triethylene glycol monoethyl ether	PVT	densities	
	1,2,4-Trinitroxybutane	GLE		
255	Poly(ethylene glycol) allyl ether methyl ether	Water	PVT	
256	Poly(ethylene glycol) diacetyl ether	Methanol	VLE	
		Water	VLE	
257	Poly(ethylene glycol) dibutyl-ether	Ethyl acetate	GLE	
		Chloroform	GLE	
		1,2-Dichloroethane	GLE	
		Dichloromethane	GLE	
		Tetrachloromethane	GLE	
		Tetrachloroethylene	GLE	
		1,1,1-Trichloroethane [R140a]	GLE	
		Trichloroethylene	GLE	
		1,1,2-Trichloro-1,2,2-trifluoroethane [R113]	GLE	
258	Poly(ethylene glycol) dimethyl ether		PVT	
		Ethyl acetate	GLE	
		Chloroform	PVT	
		Chloroform	GLE	
		Chloroform	VLE	
		Chloroform	deltaHmix	heat of mixing (general)
		Chloroform + Water	LLE	partition coefficients
		1,2-Dichloroethane	GLE	
		Dichloromethane	GLE	
		Dichloromethane + Water	LLE	partition coefficients
		N,N-Dimethylformamide (DMF) + Poly(alpha,L-glutamate) transesterificated with triethylene glycol monomethyl ether	LLE	isotropic/nematic LLE, coexistence data
		Methanol	PVT	
		Methanol	VLE	
		Methanol	deltaHmix	heat of mixing (general)

	Tetrachloromethane	PVT	
	Tetrachloromethane	GLE	
	Tetrachloromethane	VLE	
	Tetrachloromethane	deltaHmix	heat of mixing (general)
	Tetrachloroethylene	GLE	
	1,1,1-Trichloroethane [R140a]	GLE	
	Trichloroethylene	GLE	
	Water + Carbon dioxide + Diisopropanolamine (DIPA)	GLE	gas solubility
	Water + Nitrogen + Diisopropanolamine (DIPA)	GLE	gas solubility
	Water + Hydrogen + Diisopropanolamine (DIPA)	GLE	gas solubility
	1,1,2-Trichloro-1,2,2-trifluoroethane [R113]	GLE	
	Carbon dioxide	GLE	gas solubility
	Nitrogen	GLE	gas solubility
	Hydrogen	GLE	gas solubility
	2,2,2-Trifluoroethanol	deltaHmix	heat of mixing (general)
259	Poly(ethylene glycol) methacrylate	Acetonitrile	VLE
		Ethanol	PVT
		Ethanol	VLE
		1-Butanol	PVT
		1-Butanol	VLE
		2-Propanol	PVT
		2-Propanol	VLE
		Methanol	PVT
		Methanol	VLE
260	Poly(ethylene glycol) monoallyl ether	Water	PVT
261	Poly(ethylene glycol) monoallyl ether acetate	Water	PVT
262	Poly(ethylene glycol) monoallyl ether phenylurethane	Water	PVT
263	Poly(ethylene glycol) monododecyl ether	Water	deltaHmix heat of mixing (general)
264	Poly(ethylene glycol) monododecyl ether-b-Poly(propylene glycol) diblock copolymer	Carbon dioxide	SOL/SCR polymer solubility
265	Poly(ethylene glycol) monomethyl ether		PVT
		Methoxybenzene	PVT
		Methoxybenzene + Poly(ethylene glycol)	PVT
		Methoxybenzene + Poly(propylene glycol)	PVT
		1-Butanol	deltaHmix heat of mixing (general)
		1-Pentanol	deltaHmix heat of mixing (general)
		1-Propanol	deltaHmix heat of mixing (general)
		Tetrachloromethane	VLE
		Tetrachloromethane	deltaHmix heat of mixing (general)
		Water + dextran	LLE coexistence data
		Acetophenone	PVT
266	Poly(ethylene oxide)		PVT
		Acetonitrile	GLE

Acetone	GLE	
Acetone	VLE	
1,2-Ethandiol	PVT	
Ethanol	GLE	
Ethanol	VLE	
Ethyl acetate	GLE	
Ethylbenzene	GLE	
Chlorobenzene	GLE	
Chlorobenzene + Water	LLE	partition coefficients
Benzene	PVT	
Benzene	GLE	
Benzene	VLE	
Benzene	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Benzene + Heptane	deltaHmix	heat of mixing (general)
1-Butanol	GLE	
2-Butanone	GLE	
2-Butanone	VLE	
n-Butane	GLE	
Butyl chloride	GLE	
Chloroform	LLE	cloud points, LCST
Chloroform	GLE	
Chloroform	VLE	
Chloroform	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Chloroform + Water	LLE	partition coefficients
Cyclohexane	GLE	
Cyclohexane	VLE	
Cyclopentane	GLE	
Cyclohexene	GLE	
Decane	GLE	
1,1-Dichloroethane [R 150a]	GLE	
1,2-Dichloroethane	GLE	
Dichloromethane	LLE	cloud points, LCST
Dichloromethane	GLE	
Dichloromethane	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Dichloromethane + Water	LLE	partition coefficients
1,4-Dioxane	GLE	
Dodecane	GLE	
Acetic acid butyl ester	GLE	
Methyl acetate	GLE	
Hexane	GLE	
Heptane	GLE	
Methanol	LLE	cloud points, LCST
Methanol	GLE	
Methanol	VLE	
Octane	GLE	
Pentane	GLE	

1-Pentanol	GLE	
1-Propanol	PVT	
1-Propanol	GLE	
1,2,3,4-Tetrahydronaphthalene + Poly(ethylene oxide)-b-poly(dimethylsiloxane) diblock copolymer	LLE	cloud points
Tetrachloromethane	GLE	
Tetrahydrofuran	GLE	
Toluene	PVT	
Toluene	GLE	
Toluene	VLE	
Toluene + Poly(methyl methacrylate)	GLE	gas solubility
Toluene + Poly(tert.-butyl methacrylate)	VLE	
Toluene + Poly(ethylene oxide)-b-poly(dimethylsiloxane) diblock copolymer	LLE	cloud points
Toluene + Poly(ethylene oxide)-b-poly(dimethylsiloxane) diblock copolymer	LLE	spinodal points
1,1,2-Trichloroethane	GLE	
1,1,1-Trichloroethane [R140a]	GLE	
Trichloroethylene	GLE	
Water	PVT	
Water	LLE	cloud points
Water	LLE	cloud points, LCST
Water	GLE	
Water	VLE	
Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Water + Lithium chloride	LLE	cloud points, LCST
Water + Potassium chloride	LLE	cloud points, LCST
Water + Sodium chloride	LLE	cloud points, LCST
Water + Cesium chloride	LLE	cloud points, LCST
Water + Potassium bromide	LLE	cloud points, LCST
Water + Potassium fluoride	LLE	cloud points, LCST
Water + Rubidium chloride	LLE	cloud points, LCST
Water + Potassium iodide	LLE	cloud points, LCST
Water + Poly(vinyl methyl ether)	LLE	coexistence data
Water + Poly(propylene oxide)	LLE	cloud points, LCST
Water + Poly(N-isopropyl acrylamide)	LLE	cloud points, LCST
Water + Poly(acrylic acid) sodium salt	LLE	cloud points

	Water + Poly(acrylic acid) sodium salt	LLE	coexistence data
	Water + Poly(ethylene sulfonic acid) sodium salt	LLE	cloud points
	Water + Poly(ethylene sulfonic acid) sodium salt	LLE	coexistence data
	p-Xylene	VLE	
	Glycerol	PVT	
	Propane	GLE	
	Acetic acid propyl ester	GLE	
	1-Chlorooctane	GLE	
	o-Xylene	GLE	
	Cycloheptane	GLE	
	Cyclooctane	GLE	
	Nonane	GLE	
	Methyl chloride	GLE	
	n-Undecane	GLE	
	1,4-Cyclohexadiene	GLE	
	1,1-Dichloroethylene	GLE	
	1-Chloropentane	GLE	
	1-Chlorohexane	GLE	
267	Poly(ethylene oxide) dimethyl ether		
	Acetonitrile	GLE	
	Ethyl acetate	GLE	
	Ethylbenzene	GLE	
	Benzene	GLE	
	Benzene	VLE	
	Chloroform	GLE	
	Cyclohexane	GLE	
	Decane	GLE	
	1,4-Dioxane	GLE	
	Dodecane	GLE	
	Acetic acid butyl ester	GLE	
	Acetic acid cyclohexyl ester	GLE	
	Heptane	GLE	
	2-Propanol	GLE	
	Octane	GLE	
	1-Propanol	GLE	
	Pyridine	GLE	
	Toluene	GLE	
	1,2-Dimethoxyethane	GLE	
	o-Xylene	GLE	
	Nonane	GLE	
	Diethylene glycol dimethyl ether	GLE	
	Carbon dioxide	LLE	cloud points
	2,2,2-Trifluoroethanol	GLE	
	1-Ethyl-3-methylbenzene	GLE	
	m-Tolylacetate	GLE	
	p-Tolylacetate	GLE	
	Butyl trimethylsilyl ether	GLE	

		Cyclohexyl trimethylsilyl ether	GLE	
		m-Tolyl trimethylsilyl ether	GLE	
		p-Tolyl trimethylsilyl ether	GLE	
		n-Butyl trifluoroacetate	GLE	
		Cyclohexyl trifluoroacetate	GLE	
		m-Tolyl trifluoroacetate	GLE	
		p-Tolyl trifluoroacetate	GLE	
		Butyl pentafluoropropionate	GLE	
		Cyclohexyl pentafluoropropionate	GLE	
		m-Tolyl pentafluoropropionate	GLE	
		p-Tolyl pentafluoropropionate	GLE	
		Butyl tert-butyl ether	GLE	
268	Poly(ethylene oxide) star polymer	Acetone	VLE	
269	Poly(ethylene oxide)-b-perfluorooctane-b-poly(ethylene oxide)	Water + Poly(N-isopropyl acrylamide)	LLE	cloud points, LCST
270	Poly(ethylene oxide)-b-poly(dimethylsiloxane) diblock copolymer	1,2,3,4-Tetrahydronaphthalene + Poly(ethylene oxide)	LLE	cloud points
		Toluene + Poly(ethylene oxide)	LLE	cloud points
		Toluene + Poly(ethylene oxide)	LLE	spinodal points
271	Poly(ethylene oxide)-b-poly(methyl methacrylate) diblock copolymer	Toluene	VLE	
272	Poly(ethylene oxide)-b-poly(methyl methacrylate)-b-poly(ethylene oxide) triblock copolymer	Toluene	VLE	
273	Poly(ethylene oxide)-b-poly(propylene fumarate)-b-poly(ethylene oxide) dimethyl ether triblock copolymer	Water	LLE	cloud points, LCST
274	Poly(ethylene oxide)-b-poly(propylene oxide) diblock copolymer	1-Propanol	GLE	
		Tetrachloromethane	VLE	
		Tetrachloromethane	deltaHmix	heat of mixing (general)
		Water + N-Methylacetamide	LLE	coexistence data
		Water + D-Glucose	LLE	coexistence data
		Water + D-(+)-Maltose	LLE	coexistence data
		Nonane	GLE	
		Carbon dioxide	LLE	cloud points
275	Poly(ethylene oxide)-b-poly(propylene oxide)-b-poly(ethylene oxide) triblock copolymer	Tetrachloromethane	VLE	
		Tetrachloromethane	deltaHmix	heat of mixing (general)
		Toluene	VLE	
		Water	PVT	
		Water	PVT	densities
		Water	LLE	cloud points, LCST
		Water + Potassium hydroxide + Dipotassium hydrogen phosphate	LLE	coexistence data

	Water + Sodium bromide	LLE	cloud points, LCST
	Water + Sodium chloride	LLE	cloud points, LCST
	Water + Magnesium sulfate	LLE	coexistence data
	Water + Lithium sulfate	LLE	coexistence data
	Water + Sodium sulfate	LLE	cloud points, LCST
	Water + Sodium sulfate	LLE	coexistence data
	Water + Sodium acetate	LLE	cloud points, LCST
	Water + Sodium perchlorate	LLE	cloud points, LCST
	Water + Potassium dihydrogen phosphate + Dipotassium hydrogen phosphate	LLE	cloud points
	Water + Potassium dihydrogen phosphate + Dipotassium hydrogen phosphate	LLE	coexistence data
	Water + Dipotassium hydrogen phosphate	LLE	coexistence data
	Water + dextran	LLE	cloud points
	Water + dextran	LLE	coexistence data
	Carbon dioxide	LLE	cloud points
276	Poly(ethylene oxide)-b-poly(tert.-butyl methacrylate) diblock copolymer	Toluene	VLE
277	Poly(ethylene oxide)-b-polystyrene-b-poly(ethylene oxide) triblock copolymer	Toluene	VLE
278	Poly(ethylene propylene)-b-poly(ethylene)-diblockcopolymer		PVT
279	Poly(ethylene succinate)	Acetone	GLE
		Ethyl acetate	GLE
		Benzene	GLE
		2-Butanone	GLE
		Chloroform	GLE
		Dichloromethane	GLE
		Hexane	GLE
		Heptane	GLE
		Pentane	GLE
		Tetrachloromethane	GLE
280	Poly(ethylene sulfonic acid) sodium salt	Water + Poly(ethylene glycol)	LLE
		Water + Poly(ethylene glycol)	LLE
		Water + Poly(ethylene oxide)	LLE
		Water + Poly(ethylene oxide)	LLE
		Water + Poly(1-vinyl-2-pyrrolidinone)	LLE
		Water + Poly(1-vinyl-2-pyrrolidinone)	LLE
281	Poly(gamma-benzyl-L-glutamate)	Benzyl alcohol + Polystyrene	LLE
		Chloroform	VLE

		Chloroform	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
		N,N-Dimethylformamide (DMF)	deltaHmix	heat of mixing (general)
		Dichloroacetic acid	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
282	Poly(heptadecafluorodecyl acrylate)	Carbon dioxide	LLE	cloud points
		Carbon dioxide + 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Heptadecafluorodecyl acrylate	LLE	cloud points
		Carbon dioxide + 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Heptadecafluorodecyl acrylate	VLE	
		Carbon dioxide + 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Heptadecafluorodecyl acrylate	VLLE	
283	Poly(hexafluoropropylene oxide) carboxylic acid end-capped	Carbon dioxide	CRI	
284	Poly(hexamethylene sebacate)	Acetone	GLE	
		Ethyl acetate	GLE	
		Benzene	GLE	
		2-Butanone	GLE	
		Chloroform	GLE	
		Dichloromethane	GLE	
		Hexane	GLE	
		Heptane	GLE	
		Pentane	GLE	
		Tetrachloromethane	GLE	
285	Poly(hexyl acrylate)	Carbon dioxide	LLE	cloud points
		Carbon dioxide + Hexyl acrylate	LLE	cloud points
286	Poly(hexyl methacrylate)	Carbon dioxide	LLE	cloud points
		Carbon dioxide + Hexyl methacrylate	LLE	cloud points
287	Poly(iso-butyl methacrylate)	Acetone	GLE	
		Ethyl acetate	GLE	
		Chlorobenzene	GLE	
		Benzene	GLE	
		1-Butanol	GLE	
		2-Butanone	GLE	
		Butyl chloride	GLE	
		Chloroform	GLE	
		Cyclohexane	GLE	
		Decane	GLE	
		Dichloromethane	GLE	
		Dodecane	GLE	
		Methyl acetate	GLE	
		2,2,4-Trimethylpentane	GLE	
		Methanol	GLE	

	Butylbenzene	GLE	
	Octane	GLE	
	Tetrachloromethane	GLE	
	Tetrahydrofuran	GLE	
	o-Xylene	GLE	
	Nonane	GLE	
	n-Undecane	GLE	
	tert-Butylbenzene	GLE	
	Carbon dioxide	LLE	cloud points
	Carbon dioxide + Isobutyl methacrylate	LLE	cloud points
	Carbon dioxide + Isobutyl methacrylate	VLE	
	Carbon dioxide + Isobutyl methacrylate	VLLE	
	n-Butylcyclohexane	GLE	
	3,4,5-Trimethylheptane	GLE	
288	Poly(isobornyl methacrylate)		
	Acetone	GLE	
	Ethyl acetate	GLE	
	Benzene	GLE	
	2-Butanone	GLE	
	Decane	GLE	
	Dodecane	GLE	
	Methyl acetate	GLE	
	Methanol	GLE	
	Octane	GLE	
	Tetrahydrofuran	GLE	
	o-Xylene	GLE	
	Nonane	GLE	
	n-Undecane	GLE	
289	Poly(isobutyl acrylate)		
	Carbon dioxide	LLE	cloud points
	Carbon dioxide + Isobutyl acrylate	LLE	cloud points
	Carbon dioxide + Isobutyl acrylate	VLE	
	Carbon dioxide + Isobutyl acrylate	VLLE	
290	Poly(isopropyl acrylate)		
	n-Butane	LLE	cloud points
	Propane	LLE	cloud points
	1-Butene	LLE	cloud points
	Dimethyl ether	LLE	cloud points
	Dimethyl ether + 2-Propylacrylate	LLE	cloud points
	Carbon dioxide	LLE	cloud points
	Carbon dioxide + 2-Propylacrylate	LLE	cloud points
	Propylene	LLE	cloud points
291	Poly(isopropyl methacrylate)		
	Ethanol	GLE	
	Ethyl acetate	GLE	
	Ethylbenzene	GLE	

		Benzene	GLE	
		1-Butanol	GLE	
		Chloroform	GLE	
		1,2-Dichloroethane	GLE	
		Acetic acid butyl ester	GLE	
		Methyl acetate	GLE	
		2-Propanol	GLE	
		2-Methyl-1-propanol	GLE	
		Toluene	GLE	
		Acetic acid propyl ester	GLE	
		Carbon dioxide	LLE	cloud points
		Carbon dioxide + Isopropyl methacrylate	LLE	cloud points
		Carbon dioxide + Isopropyl methacrylate	VLE	
		Carbon dioxide + Isopropyl methacrylate	VLLE	
292	Poly(lactide)	Carbon dioxide	GLE	gas solubility
		Nitrogen	GLE	
		Nitrogen	GLE	gas solubility
293	Poly(m-phenyleneisophthalamide)	N,N-Dimethylacetamide	deltaHmix	heat of mixing (general)
294	Poly(maleic anhydride)	Acetone	VLE	
		Methanol	VLE	
295	Poly(methacrylic acid)	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
296	Poly(methacrylic acid) rubidium salt	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
297	Poly(methacrylic acid) sodium salt	Water	VLE	
		Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
		Water + Sodium chloride	VLE	
		Water + Poly(ethylene glycol)	LLE	cloud points
		Water + Poly(ethylene glycol)	LLE	coexistence data
		Water + Poly(1-vinyl-2-pyrrolidinone)	LLE	cloud points
		Water + Poly(1-vinyl-2-pyrrolidinone)	LLE	coexistence data
298	Poly(methoxydiethylene glycol methacrylate)	Water	LLE	cloud points, LCST
299	Poly(methyl acrylate)	Acetonitrile	GLE	
		Acetone	GLE	
		Ethanol	GLE	
		Ethyl acetate	GLE	
		Ethylbenzene	GLE	
		Chlorobenzene	GLE	
		Benzene	GLE	
		Benzene	VLE	
		1-Butanol	GLE	
		2-Butanone	GLE	
		n-Butane	GLE	

Butyl chloride	GLE	
Chloroform	GLE	
Chloroform	VLE	
Cyclohexane	GLE	
Cyclopentane	GLE	
Cyclohexene	GLE	
Decane	GLE	
1,1-Dichloroethane [R 150a]	GLE	
1,2-Dichloroethane	GLE	
Dichloromethane	GLE	
Dichloromethane	VLE	
1,4-Dioxane	GLE	
Dodecane	GLE	
Acetic acid butyl ester	GLE	
Methyl acetate	GLE	
Hexane	GLE	
Heptane	GLE	
2-Propanol	GLE	
Methanol	GLE	
Octane	GLE	
Pentane	GLE	
1-Pentanol	GLE	
1-Propanol	GLE	
tert-Butanol	GLE	
Tetrachloromethane	GLE	
Tetrachloromethane	VLE	
Tetrahydrofuran	GLE	
Toluene	GLE	
Toluene	VLE	
1,1,1-Trichloroethane [R140a]	GLE	
Trichloroethylene	GLE	
Propane	GLE	
Acetic acid propyl ester	GLE	
1-Chlorooctane	GLE	
Cycloheptane	GLE	
Cyclooctane	GLE	
Nonane	GLE	
2-Propenoic acid methyl ester + Carbon dioxide	LLE	cloud points
2-Propenoic acid methyl ester + Carbon dioxide	VLE	
2-Propenoic acid methyl ester + Carbon dioxide	VLLE	
Methyl chloride	GLE	
n-Undecane	GLE	
1,4-Cyclohexadiene	GLE	
Carbon dioxide	LLE	cloud points
Propylene	LLE	cloud points
tert-Butyl acetate	GLE	

	1-Chloropentane	GLE	
	1-Chlorohexane	GLE	
300	Poly(methyl cyanopropyl siloxane)	GLE	
	Benzene	GLE	
	1-Butanol	GLE	
	Decane	GLE	
	Dodecane	GLE	
	Hexane	GLE	
	Heptane	GLE	
	Octane	GLE	
	2-Pentanone	GLE	
	Pyridine	GLE	
	Nonane	GLE	
	n-Undecane	GLE	
301	Poly(methyl methacrylate)	PVT	
	Acetaldehyde	GLE	
	Acetonitrile	LLE	cloud points, UCST, precipitation threshold
	Acetonitrile	GLE	
	Acetonitrile + Butyl chloride	LLE	cloud points
	Acetone	PVT	densities
	Acetone	GLE	
	Acetone	VLE	
	Acetone	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
	Acetone + 2-Butanone	GLE	gas solubility
	Acetone + 2-Butanone	VLE	
	Acetone + Carbon dioxide	PVT	densities
	Acetone + Carbon dioxide	LLE	cloud points
	Acetone + Carbon dioxide	VLE/LLE	bubble + cloud points
	Acetone + Poly(vinyl acetate)	LLE	coexistence data
	Acetone + Polymethacrylonitrile	LLE	coexistence data
	Ethanol	GLE	
	Diethyl ether	GLE	
	Formic acid	GLE	
	Methoxybenzene + Polystyrene	LLE	cloud points, LCST
	Ethyl acetate	GLE	
	Ethyl acetate	VLE	
	Ethyl acetate + Polystyrene	LLE	cloud points, LCST
	Ethylbenzene	GLE	
	Ethylbenzene	VLE	
	Ethylbenzene + Polystyrene	LLE	cloud points, LCST
	Bromobenzene	GLE	
	Bromobenzene + Polystyrene	LLE	cloud points, LCST
	Chlorobenzene	GLE	
	Chlorobenzene	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]

Chlorobenzene + Polystyrene	LLE	cloud points, LCST
Benzonitrile + Polystyrene	LLE	cloud points, LCST
Nitrobenzene + Polystyrene	LLE	cloud points, LCST
Benzene	GLE	
Benzene	VLE	
Benzene	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Benzene + Toluene	GLE	gas solubility
Benzene + Toluene	VLE	
Benzene + Polystyrene	LLE	cloud points, LCST
Benzene + Polystyrene	LLE	cloud point (critical point)
Butyl bromide	GLE	
1-Butanol	LLE	cloud points, UCST, precipitation threshold
1-Butanol	GLE	
2-Butanone	GLE	
2-Butanone	VLE	
2-Butanone + Toluene	GLE	gas solubility
2-Butanone + Toluene	VLE	
2-Butanone + Carbon dioxide	VLE/LLE	bubble + cloud points
Chloroform	PVT	
Chloroform	LLE	cloud points, UCST, precipitation threshold
Chloroform	GLE	
Chloroform	VLE	
Chloroform	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Chloroform + Carbon dioxide	VLE/LLE	bubble + cloud points
Chloroform + Polystyrene	LLE	cloud points, LCST
Cyclohexane	GLE	
Decane	GLE	
N,N-Dimethylaniline + Polystyrene	LLE	cloud points, LCST
1,2-Dichloroethane	GLE	
1,2-Dichloroethane	VLE	
Dichloromethane	GLE	
Dichloromethane	VLE	
N,N-Dimethylformamide (DMF)	GLE	
N,N-Dimethylformamide (DMF) + Polyethersulfone	LLE	coexistence data
1,4-Dioxane	GLE	
1,4-Dioxane	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
1,4-Dioxane + Polystyrene	LLE	cloud points, LCST
Dodecane	GLE	
Methyl acetate	GLE	

Methyl acetate	VLE	
Acetic acid	GLE	
Hexane	GLE	
Heptane	GLE	
Methanol	GLE	
Butylbenzene	GLE	
4-Methyl-2-pentanone	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Nitromethane	GLE	
Octane	GLE	
1-Octene	GLE	
1-Propanol	LLE	cloud points, UCST, precipitation threshold
1-Propanol	GLE	
Styrene	GLE	
Tetradecane	GLE	
1,2,3,4-Tetrahydronaphthalene	GLE	
Tetrachloromethane	GLE	
Tetrachloromethane	VLE	
Tetrachloromethane	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Tetrahydrofuran	GLE	
Tetrahydrofuran + Carbon dioxide	VLE/LLE	bubble + cloud points
Tetrahydrofuran + Polystyrene	LLE	cloud points, LCST
Tetrahydrofuran + Polystyrene	LLE	coexistence data
Toluene	PVT	
Toluene	LLE	cloud points, UCST, precipitation threshold
Toluene	GLE	
Toluene	VLE	
Toluene	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Toluene + Carbon dioxide	LLE	cloud points
Toluene + Carbon dioxide	VLE/LLE	bubble + cloud points
Toluene + Polystyrene	LLE	cloud points, LCST
Toluene + Poly(ethylene oxide)	GLE	gas solubility
m-Xylene + Polystyrene	LLE	cloud points, LCST
p-Xylene	GLE	
p-Xylene	VLE	
p-Xylene + Polystyrene	LLE	cloud points, LCST
Nitroethane	GLE	
Acrylonitrile	GLE	
Acetic acid propyl ester	GLE	
Chlorodifluoromethane [R22]	LLE	cloud points
Chlorodifluoromethane	LLE	cloud points

[R22] + Carbon dioxide		
Cyclohexanone	GLE	
Cyclohexanone	VLE	
Cyclohexanol	LLE	cloud points, UCST
Cyclohexanol	GLE	
Methacrylic acid methyl ester	GLE	
Methacrylic acid methyl ester + Carbon dioxide	LLE	cloud points
2-Ethoxyethanol	LLE	cloud points, UCST, precipitation threshold
1-Chlorooctane	GLE	
4-Heptanone	LLE	cloud points, UCST, precipitation threshold
o-Xylene	GLE	
o-Xylene + Polystyrene	LLE	cloud points, LCST
Propionitrile	GLE	
Furan	GLE	
Di-n-propyl ether	GLE	
Acetophenone	GLE	
4-Isopropyltoluene	LLE	cloud points, UCST, precipitation threshold
Nonane	GLE	
Triethylene glycol	LLE	cloud points, UCST, precipitation threshold
1,3,5-Trimethylbenzene	VLE	
3,3-Dimethyl-2-butanone	VLE	
2,4-Dimethyl-3-pentanone	LLE	cloud points, UCST, precipitation threshold
Formamide	GLE	
n-Undecane	GLE	
o-Dichlorobenzene	GLE	
o-Dichlorobenzene	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
2-Octanone	LLE	cloud points, UCST, precipitation threshold
Carbon dioxide	GLE	gas solubility
Carbon dioxide	GLE/SWELLING	
Propylene	LLE	cloud points
Perdeuterobenzene + Polystyrene	LLE	cloud points and spinodal points
Tetraethylene glycol	LLE	cloud points, UCST, precipitation threshold
1-Chlorodecane	GLE	
3-Octanone	LLE	cloud points, UCST
3-Octanone	LLE	tie lines (UCST)
3-Octanone	LLE	cloud points, UCST, precipitation threshold
2-Ethylbutyraldehyde	LLE	cloud points, UCST, precipitation threshold
2,2-Dimethyl-3-pentanone	LLE	cloud points, UCST,

			precipitation threshold
302	Poly(methyl methacrylate) brush	Chloroform	VLE
303	Poly(methyl methacrylate) star-polymer	Acetone + Methanol	LLE
304	Poly(methyl trifluoropropyl siloxane)	Acetone	GLE
		Ethyl acetate	GLE
		Benzene	GLE
		1-Butanol	GLE
		2-Butanone	GLE
		Decane	GLE
		N,N-Dimethylaniline	GLE
		Dodecane	GLE
		Acetic acid butyl ester	GLE
		Acetic acid cyclohexyl ester	GLE
		Hexane	GLE
		Heptane	GLE
		Octane	GLE
		1-Pentanol	GLE
		2-Pentanone	GLE
		Pyridine	GLE
		Toluene	GLE
		o-Xylene	GLE
		1-Octanol	GLE
		Propylbenzene	GLE
		Nonane	GLE
		n-Undecane	GLE
		Butanenitrile	GLE
		2-Octanone	GLE
		Pentylbenzene	GLE
		Valeronitrile	GLE
		1-Ethyl-3-methylbenzene	GLE
		m-Tolylacetate	GLE
		p-Tolylacetate	GLE
		Butyl trimethylsilyl ether	GLE
		Cyclohexyl trimethylsilyl ether	GLE
		m-Tolyl trimethylsilyl ether	GLE
		p-Tolyl trimethylsilyl ether	GLE
		n-Butyl trifluoroacetate	GLE
		Cyclohexyl trifluoroacetate	GLE
		m-Tolyl trifluoroacetate	GLE
		p-Tolyl trifluoroacetate	GLE
		Butyl pentafluoropropionate	GLE
		Cyclohexyl pentafluoropropionate	GLE
		m-Tolyl pentafluoropropionate	GLE
		p-Tolyl pentafluoropropionate	GLE
		Butyl tert-butyl ether	GLE
305	Poly(methyl vinyl ketone)	Acetone + Poly(vinyl	LLE
			coexistence data

	acetate)		
	Ethyl acetate + Poly(vinyl acetate)	LLE	coexistence data
306	Poly(n-butyl acrylate)	PVT	
	Acetonitrile	GLE	
	Acetone	GLE	
	Ethyl acetate	GLE	
	Benzene	VLE	
	2-Butanone	GLE	
	Chloroform	GLE	
	Chloroform	VLE	
	Dichloromethane	VLE	
	Hexane	GLE	
	1-Propanol	GLE	
	Tetrachloromethane	VLE	
	Toluene	VLE	
	Vinyl chloride	GLE	
	2-Propenoic acid butyl ester	GLE	
	Carbon dioxide	LLE	cloud points
307	Poly(n-butyl methacrylate)	PVT	
	Acetonitrile	GLE	
	Acetone	GLE	
	Acetone	VLE	
	Ethanol	GLE	
	Ethanol	VLE	
	Diethyl ether	VLE	
	Ethyl acetate	GLE	
	2-Butanol	VLE	
	Ethylbenzene	GLE	
	Ethylbenzene	VLE	
	Chlorobenzene	GLE	
	Benzene	GLE	
	Benzene	VLE	
	1-Butanol	GLE	
	1-Butanol	VLE	
	2-Butanone	GLE	
	2-Butanone	VLE	
	2-Butanone	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
	n-Butane	GLE	
	Butyl chloride	GLE	
	Chloroform	GLE	
	Chloroform	VLE	
	Cyclohexane	GLE	
	Cyclohexane	VLE	
	Cyclopentane	GLE	
	Cyclopentane	VLE	
	Cyclohexene	GLE	
	Decane	GLE	

1,1-Dichloroethane [R 150a]	GLE
1,2-Dichloroethane	GLE
1,2-Dichloroethane	VLE
Dichloromethane	GLE
1,4-Dioxane	GLE
Acetic acid butyl ester	GLE
Methyl acetate	GLE
Methyl acetate	VLE
Hexane	GLE
Heptane	GLE
2-Propanol	GLE
2-Propanol	VLE
2,2,4-Trimethylpentane	GLE
Methanol	VLE
2-Methoxyethanol	GLE
Butylbenzene	GLE
4-Methyl-2-pentanone	GLE
2-Methyl-1-propanol	VLE
Octane	GLE
Octane	VLE
Pentane	GLE
1-Pentanol	GLE
1-Propanol	GLE
1-Propanol	VLE
Tetrachloromethane	GLE
Tetrachloromethane	VLE
Tetrahydrofuran	GLE
Toluene	GLE
Toluene	VLE
1,1,2-Trichloroethane	GLE
1,1,1-Trichloroethane [R140a]	GLE
Trichloroethylene	GLE
m-Xylene	VLE
p-Xylene	GLE
p-Xylene	VLE
Propane	GLE
Acetic acid propyl ester	GLE
Acetic acid propyl ester	VLE
Cyclohexanone	GLE
Cyclohexanone	VLE
2-Ethoxyethanol	GLE
1-Chlorooctane	GLE
3-Pentanone	VLE
o-Xylene	VLE
Isopropylbenzene	VLE
Propylbenzene	VLE
Cycloheptane	GLE
Cyclooctane	GLE

	Nonane	GLE	
	1,3,5-Trimethylbenzene	VLE	
	Methyl chloride	GLE	
	3,3-Dimethyl-2-butanone	VLE	
	n-Undecane	GLE	
	tert-Butylbenzene	GLE	
	1,4-Cyclohexadiene	GLE	
	1-Chloropentane	GLE	
	1-Chlorohexane	GLE	
	n-Butylcyclohexane	GLE	
	3,4,5-Trimethylheptane	GLE	
308	Poly(n-hexyl acrylate)	Acetonitrile	GLE
		Acetone	GLE
		Ethyl acetate	GLE
		2-Butanone	GLE
		Chloroform	GLE
		Hexane	GLE
		1-Propanol	GLE
309	Poly(n-hexyl isocyanate)	Toluene	LLE isotropic/nematic LLE, coexistence data
310	Poly(n-hexyl methacrylate)	Acetonitrile	GLE
		Acetone	GLE
		Ethyl acetate	GLE
		2-Butanone	GLE
		Chloroform	GLE
		Hexane	GLE
		1-Propanol	GLE
311	Poly(n-pentyl methacrylate)	Acetonitrile	GLE
		Acetone	GLE
		Ethyl acetate	GLE
		2-Butanone	GLE
		Chloroform	GLE
		Hexane	GLE
		1-Propanol	GLE
312	Poly(n-propyl acrylate)	Acetonitrile	GLE
		Acetone	GLE
		Ethyl acetate	GLE
		2-Butanone	GLE
		Chloroform	GLE
		Hexane	GLE
		1-Propanol	GLE
		Ethylene	LLE cloud points
313	Poly(n-propyl methacrylate)	Acetonitrile	GLE
		Acetone	GLE
		Ethyl acetate	GLE
		2-Butanone	GLE
		Chloroform	GLE
		Hexane	GLE
		1-Propanol	GLE

314	Poly(neopentyl methacrylate)	n-Butane	LLE	cloud points
		Propane	LLE	cloud points
		1-Butene	LLE	cloud points
		Dimethyl ether	LLE	cloud points
		Dimethyl ether + Carbon dioxide	LLE	cloud points
		Carbon dioxide	LLE	cloud points
		Carbon dioxide + 2-Methyl-2-propenoic acid-2,2-dimethylpropylester	LLE	cloud points
		Propylene	LLE	cloud points
315	Poly(o-chlorostyrene)	Benzene	VLE	
		2-Butanone	VLE	
316	Poly(o-methylstyrene)		PVT	
317	Poly(octadecyl acrylate)	Carbon dioxide + 2-Propenoic acid octadecyl ester	LLE	cloud points
		Ethylene	LLE	cloud points
		Ethylene + 2-Propenoic acid octadecyl ester	LLE	cloud points
318	Poly(octadecyl methacrylate)	Carbon dioxide + n-Octadecyl methacrylate	LLE	cloud points
319	Poly(octyl acrylate)	n-Butane	LLE	cloud points
		Propane	LLE	cloud points
		1-Butene	LLE	cloud points
		Dimethyl ether	LLE	cloud points
		Dimethyl ether + Carbon dioxide	LLE	cloud points
		Carbon dioxide	LLE	cloud points
		Carbon dioxide + n-Octyl acrylate	LLE	cloud points
		Carbon dioxide + n-Octyl acrylate	VLE	
320	Poly(octyl methacrylate)	Carbon dioxide + n-Octyl acrylate	VLLE	
		Propylene	LLE	cloud points
		Carbon dioxide	LLE	cloud points
		Carbon dioxide + Octyl methacrylate	LLE	cloud points
		Carbon dioxide + Octyl methacrylate	VLE	
		Carbon dioxide + Octyl methacrylate	VLLE	
		Carbon dioxide + Octyl methacrylate	VLLE	
321	Poly(p-bromostyrene)	Toluene	VLE	
322	Poly(p-chlorostyrene)	Benzene	GLE	
		Hexane	GLE	
		Heptane	GLE	
		Pentane	GLE	
		Toluene	GLE	
		Toluene	VLE	
		Isopropylbenzene	GLE	
Propylbenzene	GLE			

323	Poly(p-methylstyrene)	tert-Butyl acetate	GLE			
		Toluene	VLE			
		p-Methyl-styrene + Polybutadiene	GLE	gas solubility		
324	Poly(p-phenylene ether sulfone)		PVT			
325	Poly(p-phenylene sulfide)	1-Methyl naphthalene	GLE			
		Butylbenzene	GLE			
		alpha-Methyl styrene	GLE			
		2-Isopropyl naphthalene	GLE			
		3a,4,7,7a-Tetrahydro-1H-indene	GLE			
		Hexadecane	GLE			
		tert-Butylbenzene	GLE			
		Hexylbenzene	GLE			
		Octadecane	GLE			
		1,2,3,5-Tetramethyl benzene	GLE			
		326	Poly(propyl acrylate)	n-Butane	LLE	cloud points
				Propane	LLE	cloud points
				1-Butene	LLE	cloud points
				Dimethyl ether	LLE	cloud points
Dimethyl ether + Carbon dioxide	LLE			cloud points		
Carbon dioxide	LLE			cloud points		
Carbon dioxide + Propylacrylate	LLE			cloud points		
Carbon dioxide + Propylacrylate	VLE					
Carbon dioxide + Propylacrylate	VLLE					
Ethylene	LLE			cloud points		
327	Poly(propyl methacrylate)	Ethylene + Propylacrylate	LLE	cloud points		
		Propylene	LLE	cloud points		
		n-Butane	LLE	cloud points		
		Propane	LLE	cloud points		
		Chlorodifluoromethane [R22]	LLE	cloud points		
		1-Butene	LLE	cloud points		
		Dimethyl ether	LLE	cloud points		
		Carbon dioxide + n-Propyl methacrylate	LLE	cloud points		
		Carbon dioxide + n-Propyl methacrylate	VLE			
		Carbon dioxide + n-Propyl methacrylate	VLLE			
328	Poly(propylene glycol)	Propylene	LLE	cloud points		
			PVT			
		Acetonitrile	VLE			
		Ethanol	PVT			
		Ethanol	GLE	gas solubility		
		Ethanol	VLE			
	Ethanol	deltaHmix	heat of mixing (general)			

Methoxybenzene	PVT	
Methoxybenzene	deltaHmix	heat of mixing (general)
Methoxybenzene + Poly(ethylene glycol)	PVT	
Methoxybenzene + Poly(ethylene glycol) monomethyl ether	PVT	
Benzyl alcohol	deltaHmix	heat of mixing (general)
Ethylbenzene	VLE	
Benzene	deltaHmix	heat of mixing (general)
1-Butanol	PVT	
1-Butanol	VLE	
3-Methylphenol	deltaHmix	heat of mixing (general)
Decane	VLE	
Hexane	PVT	
Hexane	LLE	cloud points, UCST, precipitation threshold
Hexane	VLE	
2-Propanol	PVT	
2-Propanol	VLE	
Methanol	PVT	
Methanol	GLE	gas solubility
Methanol	VLE	
Methanol	deltaHmix	heat of mixing (general)
1-Propanol	PVT	
Dimethyl sulfoxide	PVT	
Tetrachloromethane	VLE	
Tetrachloromethane	deltaHmix	heat of mixing (general)
Toluene	VLE	
Water	PVT	
Water	GLE	gas solubility
Water	VLE	
Water	deltaHmix	heat of mixing (general)
Water + Propane	GLE	gas solubility
Water + Methane	GLE	gas solubility
Water + Ethane	GLE	gas solubility
Water + Argon	GLE	gas solubility
Water + D-(+)-Saccharose	LLE	coexistence data
Water + D-(-)-Fructose	LLE	coexistence data
Water + Sodium nitrate	LLE	cloud points
Water + Sodium nitrate	LLE	coexistence data
Water + Sodium chloride	LLE	coexistence data
Water + Magnesium sulfate	PVT	
Water + Magnesium sulfate	LLE	coexistence data
Water + Magnesium sulfate	VLE	
Water + Sodium carbonate	LLE	cloud points
Water + Sodium carbonate	LLE	coexistence data
Water + Sodium sulfate	LLE	cloud points
Water + Sodium sulfate	LLE	coexistence data
Water + Sodium sulfate	VLE	

	Water + Ammonium sulfate	LLE	coexistence data	
	Water + Ammonium sulfate	VLE		
	Water + D-Glucose	LLE	coexistence data	
	Water + D-(+)-Maltose	LLE	coexistence data	
	Water + Sodium citrate	LLE	coexistence data	
	Water + Potassium citrate	PVT		
	Water + Poly(ethylene glycol)	GLE	gas solubility	
	Water + Poly(ethylene glycol)	VLE		
	Water + maltodextrin	LLE	coexistence data	
	Propane	GLE	gas solubility	
	1-Octanol	PVT		
	1-Octanol + Acetophenone	PVT		
	Acetophenone	PVT		
	Carbonic acid dimethyl ester	deltaHmix	heat of mixing (general)	
	Formamide	PVT		
	Carbon dioxide	LLE	cloud points	
	Carbon dioxide	GLE/SWELLING		
	Methane	GLE	gas solubility	
	Ethane	GLE	gas solubility	
	Argon	GLE	gas solubility	
	1,2,3-Propanetriol-triacetate	GLE		
	Carbonic acid diethyl ester	PVT		
	Carbonic acid diethyl ester	deltaHmix	heat of mixing (general)	
329	Poly(propylene glycol) bis(trimethylsilyl) ether	Carbon dioxide	LLE	cloud points
330	Poly(propylene glycol) diacetate	Carbon dioxide	LLE	cloud points
331	Poly(propylene glycol) dimethyl ether	Chloroform	PVT	
		Chloroform	VLE	
		Chloroform	deltaHmix	heat of mixing (general)
		Tetrachloromethane	PVT	
		Tetrachloromethane	VLE	
		Tetrachloromethane	deltaHmix	heat of mixing (general)
332	Poly(propylene glycol) monoacetate	Carbon dioxide	LLE	cloud points
333	Poly(propylene glycol) monobutyl ether	4-Methyl-2-pentanone	GLE	
		1-Propanol	GLE	
		Toluene	GLE	
		Nonane	GLE	
334	Poly(propylene glycol) monotrimethylsilyl ether	Carbon dioxide	LLE	cloud points
335	Poly(propylene glycol) trimethylsilyl ether acetate	Carbon dioxide	LLE	cloud points
336	Poly(propylene oxide)	Acetone	GLE	
		Ethanol	PVT	
		Ethanol	GLE	
		Ethanol	VLE	
		Ethyl acetate	GLE	
		Benzene	GLE	
		Benzene	VLE	
		1-Butanol	PVT	

	Chloroform	GLE	
	Dichloromethane	GLE	
	N,N-Dimethylformamide (DMF)	GLE	
	Hexane	GLE	
	Heptane	GLE	
	Methanol	VLE	
	Octane	GLE	
	1-Propanol	GLE	
	1-Propanol	VLE	
	Toluene	GLE	
	Water	LLE	cloud points, LCST
	Water	VLE	
	Water + Potassium citrate	VLE	
	Water + Poly(ethylene oxide)	LLE	cloud points, LCST
	Nonane	GLE	
	Carbon dioxide	LLE	cloud points
337	Poly(propylene oxide)-b-poly(ethylene oxide) diblock copolymer	Ethylbenzene	VLE
	Water	PVT	
338	Poly(propylene oxide)-b-poly(ethylene oxide)-b-poly(propylene oxide) triblock copolymer	Toluene	VLE
	Water	PVT	densities
	Carbon dioxide	LLE	cloud points
339	Poly(propylenimine) dendrimer	Acetone	VLE
	Chloroform	VLE	
	Hexane	VLE	
	Heptane	VLE	
	Octane	VLE	
	Tetrahydrofuran	VLE	
	Toluene	VLE	
	Triethylamine	VLE	
	Nonane	VLE	
340	Poly(sec-butyl methacrylate)	Benzene	GLE
	Chloroform	GLE	
	Cyclohexane	GLE	
	Decane	GLE	
	Dichloromethane	GLE	
	2,2,4-Trimethylpentane	GLE	
	Octane	GLE	
	Tetrachloromethane	GLE	
	n-Butylcyclohexane	GLE	
	3,4,5-Trimethylheptane	GLE	
341	Poly(styrene sulfonic acid) sodium salt	Ethanol + Water	LLE
	Ethanol + Water	LLE	cloud points
	2-Propanol + Water	LLE	coexistence data
	Water	VLE	cloud points
	Water + Sodium chloride	VLE	
	Water + Poly(ethylene	LLE	cloud points

		glycol)		
		Water + Poly(1-vinyl-2-pyrrolidinone)	LLE	cloud points
342	Poly(styrene)-b-poly(isoprene) diblock copolymer	Carbon dioxide	GLE/SWELLI NG	
343	Poly(styrene)-b-poly(vinyl pyridine) diblock copolymer	Carbon dioxide	GLE/SWELLI NG	
344	Poly(styrene-d)		PVT	
345	Poly(styrene-d8)	Acetone	LLE	cloud points
		Methylcyclopentane	LLE	cloud points
		Methylcyclopentane + Perdeuteromethylcyclopentane	LLE	cloud points
		Nitroethane	LLE	cloud points
		Nitroethane	LLE	spinodal points
		Propionitrile	LLE	cloud points
		Propionitrile	LLE	spinodal points
		Propionitrile + Polystyrene	LLE	cloud points
		Propionitrile + Polystyrene	LLE	spinodal points
		Perdeutero-2-propanone	LLE	cloud points
		Perdeutero-2-propanone	LLE	spinodal points
		Nitroethane-D5	LLE	cloud points
		Nitroethane-D5	LLE	spinodal points
346	Poly(styrene-g-ethyl methacrylate)	Ethanol	GLE	
		1-Butanol	GLE	
		Decane	GLE	
		Hexane	GLE	
		Heptane	GLE	
		Methanol	GLE	
		Octane	GLE	
		1-Pentanol	GLE	
		1-Propanol	GLE	
		Tetrachloromethane	GLE	
		Nonane	GLE	
347	Poly(styrenesulfonic acid)	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
348	Poly(styrenesulfonic acid) calcium salt	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
349	Poly(styrenesulfonic acid) cesium salt	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
350	Poly(styrenesulfonic acid) cupric salt	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
351	Poly(styrenesulfonic acid) iron salt	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
352	Poly(styrenesulfonic acid) lead salt	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
353	Poly(styrenesulfonic acid) lithium salt	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
354	Poly(styrenesulfonic acid) magnesium salt	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
355	Poly(styrenesulfonic acid) potassium salt	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]

356	Poly(styrenesulfonic acid) rubidium salt	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]	
357	Poly(styrenesulfonic acid) silver salt	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]	
358	Poly(styrenesulfonic acid) sodium salt	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]	
359	Poly(styrenesulfonic acid) strontium salt	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]	
360	Poly(tert-butyl acrylate)-b-poly(methyl methacrylate) diblockcopolymer	Ethyl acetate	GLE		
		Ethylbenzene	GLE		
		Chlorobenzene	GLE		
		Benzene	GLE		
		Acetic acid butyl ester	GLE		
		Toluene	GLE		
		Acetic acid 3-methylbutyl ester	GLE		
		Acetic acid propyl ester	GLE		
		Isopropylbenzene	GLE		
		Propylbenzene	GLE		
		Acetic acid isobutyl ester	GLE		
		Acetic acid isopropyl ester	GLE		
		tert-Butyl acetate	GLE		
361		Poly(tert.-butyl acrylate)	Carbon dioxide	LLE	cloud points
			Carbon dioxide + tert-Butyl acrylate	LLE	cloud points
	Carbon dioxide + tert-Butyl acrylate		VLE		
	Carbon dioxide + tert-Butyl acrylate		VLLE		
362	Poly(tert.-butyl methacrylate)	Acetone	GLE		
		Ethyl acetate	GLE		
		Ethylbenzene	VLE		
		Benzene	GLE		
		Benzene	VLE		
		2-Butanone	GLE		
		2-Butanone	VLE		
		Chloroform	VLE		
		Decane	GLE		
		1,2-Dichloroethane	VLE		
		Dodecane	GLE		
		Methyl acetate	GLE		
		Methanol	GLE		
		Octane	GLE		
		Tetrachloromethane	VLE		
		Tetrahydrofuran	GLE		
		Toluene	VLE		
	Toluene + Poly(ethylene oxide)	VLE			
	m-Xylene	VLE			
	p-Xylene	VLE			

	3-Pentanone	VLE		
	o-Xylene	GLE		
	o-Xylene	VLE		
	Isopropylbenzene	VLE		
	Propylbenzene	VLE		
	Nonane	GLE		
	1,3,5-Trimethylbenzene	VLE		
	3,3-Dimethyl-2-butanone	VLE		
	n-Undecane	GLE		
	Carbon dioxide	LLE	cloud points	
	Carbon dioxide + tert-Butyl methacrylate	LLE	cloud points	
	Carbon dioxide + tert-Butyl methacrylate	VLE		
	Carbon dioxide + tert-Butyl methacrylate	VLLE		
363	Poly(tetramethylene glycol)	Ethanol	GLE	gas solubility
		Methanol	GLE	gas solubility
		Water	GLE	gas solubility
364	Poly(tetramethylene oxide)		PVT	
	Acetone	GLE		
	Ethanol	GLE		
	Ethyl acetate	GLE		
	Ethylbenzene	GLE		
	Chlorobenzene	GLE		
	Benzene	PVT		
	Benzene	GLE		
	Benzene	VLE		
	1-Butanol	GLE		
	2-Butanone	GLE		
	n-Butane	GLE		
	Butyl chloride	GLE		
	Chloroform	GLE		
	Cyclohexane	GLE		
	Cyclopentane	GLE		
	Cyclohexene	GLE		
	Decane	GLE		
	1,1-Dichloroethane [R 150a]	GLE		
	1,2-Dichloroethane	GLE		
	Dichloromethane	GLE		
	1,4-Dioxane	PVT		
	1,4-Dioxane	GLE		
	1,4-Dioxane	VLE		
	1,4-Dioxane	deltaHmix		heat of mixing (general)
	Acetic acid butyl ester	GLE		
	Methyl acetate	GLE		
	Hexane	GLE		
	Heptane	GLE		
	Octane	GLE		

	Pentane	GLE	
	1-Pentanol	GLE	
	1-Propanol	GLE	
	Tetrachloromethane	GLE	
	Tetrahydrofuran	GLE	
	Tetrahydrofuran	VLE	
	Toluene	GLE	
	1,1,1-Trichloroethane [R140a]	GLE	
	Trichloroethylene	GLE	
	Propane	GLE	
	Acetic acid propyl ester	GLE	
	1-Chlorooctane	GLE	
	Cycloheptane	GLE	
	Cyclooctane	GLE	
	Nonane	GLE	
	Methyl chloride	GLE	
	n-Undecane	GLE	
	1,4-Cyclohexadiene	GLE	
	1-Chloropentane	GLE	
	1-Chlorohexane	GLE	
365	Poly(urethane)		
	Benzene	GLE	
	1-Butanol	GLE	
	2-Butanone	GLE	
	N,N-Dimethylformamide (DMF)	GLE	
	1,4-Dioxane	GLE	
	Acetic acid butyl ester	GLE	
	2-Methoxyethanol	GLE	
	Tetrahydrofuran	GLE	
	Toluene	GLE	
	Cyclohexanone	GLE	
366	Poly(vinyl acetate)	PVT	
	Acetaldehyde	GLE	
	Acetonitrile	GLE	
	Acetone	PVT	
	Acetone	GLE	
	Acetone	GLE	gas solubility
	Acetone	VLE	
	Acetone + Ethyl acetate	GLE	gas solubility
	Acetone + Ethyl acetate	VLE	
	Acetone + Methanol	GLE	gas solubility
	Acetone + Methanol	VLE	
	Acetone + Poly(methyl methacrylate)	LLE	coexistence data
	Acetone + Poly(4- hydroxystyrene)	GLE	gas solubility
	Acetone + Poly(methyl vinyl ketone)	LLE	coexistence data
	Ethanol	GLE	

Ethanol	GLE	gas solubility
Ethanol	VLE	
Ethyl acetate	PVT	
Ethyl acetate	GLE	
Ethyl acetate	VLE	
Ethyl acetate + Poly(methyl vinyl ketone)	LLE	coexistence data
2-Butanol	GLE	
2-Butanol	GLE	gas solubility
Ethylbenzene	GLE	
Ethylbenzene	VLE	
Chlorobenzene	PVT	
Chlorobenzene	GLE	
Benzene	GLE	
Benzene	VLE	
Benzene	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Benzene + Methanol	VLE	
Benzene + Carbon dioxide	VLE	partition coefficients
Benzene + Poly(4-chlorostyrene)	LLE	coexistence data
1-Butanol	GLE	
1-Butanol	GLE	gas solubility
1-Butanol	VLE	
2-Butanone	PVT	
2-Butanone	GLE	
2-Butanone	GLE	gas solubility
2-Butanone	VLE	
2-Butanone	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
n-Butane	GLE	
Butyl chloride	GLE	
Chloroform	GLE	
Chloroform	VLE	
Cyclohexane	GLE	
Cyclohexane	VLE	
Cyclopentane	LLE	cloud points, LCST
Cyclopentane	GLE	
Cyclopentane	VLE	
Cyclohexene	GLE	
Decane	GLE	
1,1-Dichloroethane [R 150a]	GLE	
1,2-Dichloroethane	GLE	
1,2-Dichloroethane	VLE	
1,2-Dichloroethane	deltaHmix	heat of mixing (general)
Dichloromethane	GLE	
1,4-Dioxane	GLE	
Dodecane	GLE	
Acetic acid butyl ester	PVT	
Acetic acid butyl ester	GLE	

Methyl acetate	PVT	
Methyl acetate	GLE	
Methyl acetate	GLE	gas solubility
Methyl acetate	VLE	
Acetic acid	GLE	
Hexane	GLE	
Heptane	GLE	
2-Propanol	GLE	
2-Propanol	GLE	gas solubility
2,2,4-Trimethylpentane	GLE	
Methanol	PVT	
Methanol	LLE	cloud points, UCST
Methanol	GLE	
Methanol	GLE	gas solubility
Methanol	VLE	
Methanol	deltaHmix	heat of mixing (general)
Methanol + Toluene	VLE	
2-Methoxyethanol	GLE	
4-Methyl-2-pentanone	GLE	
2-Methyl-1-propanol	GLE	
2-Methyl-1-propanol	GLE	gas solubility
Octane	GLE	
Octane	VLE	
Pentane	GLE	
1-Pentanol	GLE	
2-Pentanone	PVT	
1-Propanol	GLE	
1-Propanol	GLE	gas solubility
1-Propanol	VLE	
Styrene	GLE	
tert-Butanol	GLE	
Tetradecane	GLE	
Tetrachloromethane	GLE	
Tetrachloromethane	deltaHmix	heat of mixing (general)
Tetrahydrofuran	PVT	
Tetrahydrofuran	GLE	
Tetrahydrofuran	VLE	
Toluene	GLE	
Toluene	VLE	
Toluene	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Toluene + Carbon dioxide	VLE	partition coefficients
1,1,1-Trichloroethane [R140a]	GLE	
Trichloroethylene	GLE	
Vinyl acetate	GLE	
Vinyl acetate	VLE	
Water	VLE	
p-Xylene	GLE	

p-Xylene	VLE	
Nitroethane	GLE	
Fluorobenzene	GLE	
1,1,2,2-Tetrachloroethane	deltaHmix	heat of mixing (general)
Acrylonitrile	GLE	
Propane	GLE	
Acetic acid propyl ester	PVT	
Acetic acid propyl ester	GLE	
Acetic acid propyl ester	GLE	gas solubility
Cyclohexanone	GLE	
Cyclohexanol	GLE	
2-Ethoxyethanol	GLE	
1-Chlorooctane	GLE	
1-Hexanol	GLE	
3-Chloro-1-propene	VLE	
1-Chloropropane	VLE	
1-Heptanol	GLE	
1-Octanol	GLE	
1-Decanol	GLE	
Isopropylamine	VLE	
N-Propylamine	VLE	
Cycloheptane	GLE	
Cyclooctane	GLE	
Nonane	GLE	
Hexadecane	GLE	
Methyl chloride	GLE	
2-Pentanol	GLE	
n-Undecane	GLE	
Cyclopentene	LLE	cloud points, LCST
1,4-Cyclohexadiene	GLE	
Diethyl oxalate	PVT	
Diethyl oxalate	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Carbon dioxide	GLE	
Carbon dioxide	GLE	gas solubility
Carbon dioxide	SWELLING	
Ethylene	GLE	
Ethane	GLE	
3-Heptanone	PVT	
Diethyl sebacate	PVT	
Diethyl sebacate	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
1-Chloropentane	GLE	
Sulfur dioxide	GLE	
Di-n-butyladipate	PVT	
Di-n-butyladipate	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Di-n-butyl succinate	PVT	
Di-n-butyl succinate	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]

	1-Chlorohexane	GLE	
	n-Butylcyclohexane	GLE	
	Dibutyl malonate	PVT	
	Dibutyl malonate	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
367	Poly(vinyl alcohol)	PVT	
	Ethanol + Water	GLE	gas solubility
	Methyl acetate	VLE	
	Methanol	VLE	
	Dimethyl sulfoxide + Water	PVT	
	Dimethyl sulfoxide + Water	LLE	cloud points
	Dimethyl sulfoxide + Water	LLE	spinodal points
	Water	PVT	
	Water	VLE	
	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
	Water + dextran	LLE	coexistence data
	Water + dextran	LLE	plait point composition
	Water + dextran	LLE	critical point
	Water + sodium dextran sulfate	LLE	coexistence data
368	Poly(vinyl chloride)	PVT	
	Acetaldehyde	GLE	
	Acetonitrile	GLE	
	Acetone	GLE	
	1,2-Ethandiol + Tetrahydrofuran	LLE	cloud points
	Ethanol	GLE	
	Ethanol + Tetrahydrofuran	LLE	cloud points
	Ethanol + Tetrahydrofuran + Water	LLE	cloud points
	Ethyl acetate	GLE	
	Benzyl alcohol	GLE	
	Ethylbenzene	GLE	
	Chlorobenzene	GLE	
	Benzene	GLE	
	1-Butanol	GLE	
	2-Butanone	GLE	
	2-Butanone	VLE	
	Butyl chloride	GLE	
	Chloroform	GLE	
	Cyclohexane	GLE	
	Cyclohexene	GLE	
	Dibutyl ether	VLE	
	Decane	GLE	
	1,1-Dichloroethane [R 150a]	GLE	
	1,2-Dichloroethane	GLE	
	Dichloromethane	GLE	
	N,N-Dimethylformamide (DMF)	deltaHmix	heat of mixing (general)

1,4-Dioxane	GLE	
1,4-Dioxane	VLE	
Dodecane	GLE	
Acetic acid butyl ester	GLE	
Methyl acetate	GLE	
Acetic acid	GLE	
Hexane	GLE	
Hexane	VLE	
Heptane	GLE	
Heptane + Tetrahydrofuran	LLE	cloud points
2-Propanol	GLE	
Methanol	GLE	
Methanol + Tetrahydrofuran	LLE	cloud points
Methanol + Tetrahydrofuran + Water	LLE	cloud points
4-Methyl-2-pentanone	GLE	
Octane	GLE	
Pentane	GLE	
Phenol	GLE	
1-Propanol	GLE	
Styrene	GLE	
tert-Butanol	GLE	
Tetrachloromethane	GLE	
Tetrachloromethane	VLE	
Tetrachloromethane + Poly(eps-caprolacton)	VLE	
Tetrahydrofuran	GLE	
Tetrahydrofuran	VLE	
Tetrahydrofuran	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Tetrahydrofuran + Water	LLE	cloud points
Tetrahydrofuran + Polystyrene	LLE	coexistence data
Toluene	GLE	
Toluene	VLE	
1,1,1-Trichloroethane [R140a]	GLE	
Trichloroethylene	GLE	
Vinyl acetate	GLE	
Water	VLE	
p-Xylene	GLE	
Nitroethane	GLE	
Fluorobenzene	GLE	
Vinyl chloride	GLE	
Vinyl chloride	VLE	
Acrylonitrile	GLE	
Acetic acid propyl ester	GLE	
Cyclohexanone	VLE	
Cyclohexanone	deltaHmix	heat of mixing (general)
Cyclohexanone	deltaHmix	intermediary enthalpy of

			dilution [J/mol solvent]
	2-Nitropropane	GLE	
	1-Chlorooctane	GLE	
	2-Propenoic acid butyl ester	GLE	
	o-Xylene	LLE	cloud points
	o-Xylene	GLE	
	Di-n-propyl ether	GLE	
	Cycloheptane	GLE	
	Cyclooctane	GLE	
	Nonane	GLE	
	Phthalic acid dibutyl ester	deltaHmix	heat of mixing (general)
	Methyl chloride	GLE	
	Phthalic acid diethyl ester	deltaHmix	heat of mixing (general)
	Phthalic acid didodecyl ester	deltaHmix	heat of mixing (general)
	Ethoxybenzene	LLE	cloud points
	Bis(2-ethylhexyl) phthalate	deltaHmix	heat of mixing (general)
	n-Undecane	GLE	
	1,4-Cyclohexadiene	GLE	
	Phthalic acid dioctyl ester	deltaHmix	heat of mixing (general)
	1-Chloropentane	GLE	
	Phthalic acid dimethyl ester	deltaHmix	heat of mixing (general)
	1-Chlorohexane	GLE	
	Phthalic acid ditridecylester	deltaHmix	heat of mixing (general)
	Phthalic acid bis(2,5,5-trimethylhexyl)ester	deltaHmix	heat of mixing (general)
	4-Chloro-1-butanol	GLE	
	Naphthyl tolyl methane (Isomer not specified)	deltaHmix	heat of mixing (general)
369	Poly(vinyl ethyl ether)	LLE	cloud points
370	Poly(vinyl methyl ether)	PVT	
	Ethanol + Water	LLE	cloud points, LCST
	Ethylbenzene	VLE	
	Ethylbenzene + Polystyrene	GLE	gas solubility
	Chlorobenzene	VLE	
	Benzene	VLE	
	Benzene + Polystyrene	GLE	gas solubility
	Chloroform	VLE	
	Chloroform + Polystyrene	GLE	gas solubility
	Cyclohexane	VLE	
	Cyclohexane + Polystyrene	GLE	gas solubility
	2-Propanol + Water	LLE	cloud points, LCST
	Methanol + Water	LLE	cloud points, LCST
	Dimethyl sulfoxide + Water	LLE	cloud points, LCST
	Toluene	VLE	
	Toluene + Polystyrene	GLE	gas solubility
	Water	LLE	cloud points, LCST
	Water	VLE	
	Water + Poly(ethylene oxide)	LLE	coexistence data

	m-Xylene	VLE		
	p-Xylene	VLE		
	p-Xylene + Polystyrene	GLE	gas solubility	
	o-Xylene	VLE		
	Propylbenzene	VLE		
	Deuterium oxide <Heavy water>	LLE	spinodal points (LCST)	
	Deuterium oxide <Heavy water>	LLE	spinodal points (UCST)	
371	Poly(vinyl methyl ether)-b-poly(vinyl isobutyl ether) diblock copolymer	Water	LLE	cloud points, LCST
372	Poly(vinyl methyl ether)-b-poly(vinyl isobutyl ether)-b-poly(vinyl methyl ether) triblock copolymer	Water	LLE	cloud points, LCST
373	Poly(vinyl pyridine)	Carbon dioxide	GLE/SWELLING	
374	Poly(vinyl-N-butylpyridinium bromide)	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
375	Poly(vinylbenzyltrimethylammonium) bromide	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
376	Poly(vinylbenzyltrimethylammonium) chloride	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
377	Poly(vinylbenzyltrimethylammonium) hydroxide	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
378	Poly(vinylbenzyltrimethylammonium) iodide	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
379	Poly(vinylidene fluoride)		PVT	
	Acetone	GLE		
	Ethanol	GLE		
	Ethyl acetate	GLE		
	Ethylbenzene	GLE		
	Benzene	GLE		
	1-Butanol	GLE		
	2-Butanone	GLE		
	Decane	GLE		
	1,2-Dichloroethane	GLE		
	Dichloromethane	GLE		
	N,N-Dimethylformamide (DMF)	GLE		
	N,N-Dimethylformamide (DMF) + Polystyrene	LLE		coexistence data
	1,4-Dioxane	GLE		
	Dodecane	GLE		
	Acetic acid butyl ester	GLE		
	Methyl acetate	GLE		
	Hexane	GLE		
	Heptane	GLE		
	2-Propanol	GLE		
	Methanol	GLE		
	Butylbenzene	GLE		
	Octane	GLE		

	Pentane	GLE	
	Dimethyl sulfoxide	GLE	
	Tetradecane	GLE	
	1,2,3,4-Tetrahydronaphthalene	GLE	
	Tetrachloromethane	GLE	
	Tetrahydrofuran	GLE	
	Toluene	GLE	
	N,N-Dimethylacetamide	GLE	
	Acetic acid propyl ester	GLE	
	Cyclohexanone	GLE	
	Cyclohexanol	GLE	
	1-Chlorooctane	GLE	
	N-Methyl-2-pyrrolidone	GLE	
	Furan	GLE	
	Acetophenone	GLE	
	Nonane	GLE	
	2-Pentanol	GLE	
	n-Undecane	GLE	
	o-Dichlorobenzene	GLE	
	Carbon dioxide	GLE	gas solubility
	Carbon dioxide + vinylidene fluoride/chlorotrifluoroethylene copolymer	GLE	gas solubility
	Methane + vinylidene fluoride/chlorotrifluoroethylene copolymer	GLE	gas solubility
	1-Chlorodecane	GLE	
380	Poly(vinylsulfonic acid) sodium salt	Water	VLE
		Water + Sodium chloride	VLE
381	Poly[(2-phenyl-1,3-dioxolane-4-yl)methyl methacrylate]	Ethanol	GLE
		Benzene	GLE
		1-Butanol	GLE
		Decane	GLE
		Hexane	GLE
		Heptane	GLE
		Octane	GLE
		1-Pentanol	GLE
		1-Propanol	GLE
		Butylamine	GLE
		N-Propylamine	GLE
382	Poly[1-methyl-1-(trimethylsilyl-methyl)-1-silacyclobutane]	Ethylbenzene	GLE
		Benzene	GLE
		Hexane	GLE
		Heptane	GLE
		Toluene	GLE
383	Poly[2-(3-mesityl-3-methyl-1-cyclobutyl)-2-oxoethyl methacrylate]	Ethanol	GLE

	1-Butanol	GLE
	Decane	GLE
	Hexane	GLE
	Heptane	GLE
	Methanol	GLE
	Octane	GLE
	1-Pentanol	GLE
	1-Propanol	GLE
384	Poly[2-(3-mesityl-3-methylcyclobutyl)-2-hydroxyethyl methacrylate]	Acetone GLE
	Ethanol	GLE
	Ethyl acetate	GLE
	Benzene	GLE
	2-Butanone	GLE
	Decane	GLE
	Dodecane	GLE
	Methyl acetate	GLE
	Methanol	GLE
	Octane	GLE
	Toluene	GLE
	o-Xylene	GLE
	Nonane	GLE
	n-Undecane	GLE
385	Poly[2-(3-methyl-3-phenylcyclobutyl)-2-hydroxyethylmethacrylate]	Acetone GLE
	Ethanol	GLE
	Ethyl acetate	GLE
	Benzene	GLE
	2-Butanone	GLE
	Decane	GLE
	Dodecane	GLE
	Methyl acetate	GLE
	Methanol	GLE
	Octane	GLE
	Toluene	GLE
	o-Xylene	GLE
	Nonane	GLE
	n-Undecane	GLE
386	Poly[2-(N,N-dimethylamino)ethyl methacrylate]	Water VLE
387	Poly[4-(2-naphthalenesulfonyl)-styrene]	Acetone GLE
	Ethanol	GLE
	Ethyl acetate	GLE
	Benzene	GLE
	2-Butanone	GLE
	Decane	GLE
	Dodecane	GLE
	Methyl acetate	GLE
	Methanol	GLE
	Octane	GLE

		Toluene	GLE	
		o-Xylene	GLE	
		Nonane	GLE	
		n-Undecane	GLE	
388	Poly[bis(2,3-bis(2-(2'-(2"-dimethoxyethoxy)ethoxy)ethoxy)propanoxy)phosphazene]	Water	LLE	cloud points, LCST, precipitation threshold
389	Poly[bis(2,3-bis(2-(2'-methoxyethoxy)ethoxy)propanoxy)phosphazene]	Water	LLE	cloud points, LCST, precipitation threshold
390	Poly[bis(2,3-bis(2-methoxyethoxy)propanoxy)phosphazene]	Water	LLE	cloud points, LCST, precipitation threshold
391	Poly[bis(2,3-dimethoxypropanoxy)phosphazene]	Water	LLE	cloud points, LCST, precipitation threshold
392	Poly[bis(2-(2'-methoxyethoxy)ethoxy)phosphazene]	Water	LLE	cloud points, LCST, precipitation threshold
393	Poly[bis(trifluorovinyl)oxy)biphenyl]	Dimethyl ether	LLE	cloud points
394	Polyacrylamide	Water + Sodium hydroxide + Sodium dodecyl sulfate	VLE	
		Water + Sodium dodecyl sulfate	VLE	
395	Polyacrylonitrile	1,2-Dichloroethane	VLE	
		N,N-Dimethylformamide (DMF)	VLE	
		N,N-Dimethylacetamide + Polystyrene	LLE	cloud points
		N,N-Dimethylacetamide + styrene/acrylonitrile copolymer	LLE	cloud points
		N,N-Dimethylacetamide + cellulose	LLE	coexistence data
396	Polyamide	Acetonitrile	GLE	
		Ethyl acetate	GLE	
		Benzene	GLE	
		1-Butanol	GLE	
		2-Butanone	GLE	
		Chloroform	GLE	
		1,2-Dichloroethane	GLE	
		1,4-Dioxane	GLE	
		Acetic acid butyl ester	GLE	
		2-Propanol	GLE	
		2-Methoxyethanol	GLE	
		4-Methyl-2-pentanone	GLE	
		Toluene	GLE	
		2-Ethoxyethanol	GLE	
		Carbon dioxide	GLE	gas solubility
		Methane	GLE	gas solubility
397	Polybutadiene		PVT	
		Acetonitrile	GLE	
		Acetone	GLE	
		Ethanol	GLE	
		Diethyl ether	GLE	

Formic acid ethyl ester	GLE	
Aniline	GLE	
Ethyl acetate	GLE	
Benzyl alcohol	GLE	
Ethylbenzene	GLE	
Benzene	GLE	
Benzene	VLE	
Benzene	deltaHmix	heat of mixing (general)
Benzene + Cyclohexane	VLE	
Benzene + Polystyrene	LLE	cloud points
1-Butanol	GLE	
2-Butanone	GLE	
Butyl chloride	GLE	
Chloroform	GLE	
Chloroform	VLE	
Chloroform + Polystyrene	LLE	coexistence data
Chloroform + Polystyrene	LLE	plait point composition
Cyclohexane	GLE	
Cyclohexane	GLE	vapor/gas solubility
Cyclohexane	VLE	
Cyclohexane + Carbon dioxide	LLE	cloud points, LCST
Cyclohexane + Carbon dioxide	GLE	vapor/gas solubility
Cyclohexane + Polystyrene	LLE	coexistence data
Methylcyclohexane	GLE	
Dibutyl ether	GLE	
Decane	GLE	
1,2-Dichloroethane	GLE	
Dichloromethane	GLE	
Dichloromethane	VLE	
N,N-Dimethylformamide (DMF)	GLE	
1,4-Dioxane	GLE	
1,4-Dioxane + Polystyrene	LLE	coexistence data
Benzaldehyde	GLE	
Acetic acid butyl ester	GLE	
Methyl acetate	GLE	
Hexane	PVT	
Hexane	GLE	
Hexane	VLE	
Hexane + Carbon dioxide	VLE	partition coefficients
Heptane	GLE	
2-Propanol	GLE	
1-Hexene	GLE	
Methanol	GLE	
Butylbenzene	GLE	
4-Methyl-2-pentanone	GLE	
2-Methyl-1-propanol	GLE	

Nitromethane	GLE	
Octane	GLE	
1-Octene	GLE	
Pentane	GLE	
1-Pentanol	GLE	
1-Propanol	GLE	
Pyridine	GLE	
tert-Butanol	GLE	
Tetrachloromethane	GLE	
Tetrachloromethane	VLE	
Tetrachloromethane + Polystyrene	LLE	cloud points
Tetrachloromethane + Polystyrene	LLE	coexistence data
Tetrahydrofuran	GLE	
Tetrahydrofuran + Carbon dioxide	VLE	bubble points
Tetrahydrofuran + Polystyrene	LLE	coexistence data
Tetrahydrofuran + Polystyrene	LLE	plait point composition
Toluene	GLE	
Toluene	VLE	
Toluene + Carbon dioxide	LLE	cloud points, LCST
Toluene + Carbon dioxide	GLE	vapor/gas solubility
Toluene + Carbon dioxide	VLE	bubble points
Toluene + Carbon dioxide	VLE/LLE	bubble + cloud points
Toluene + Polystyrene	LLE	cloud points
Toluene + Polystyrene	LLE	coexistence data
Toluene + Polystyrene	LLE	plait point composition
p-Xylene	GLE	
Acetic acid propyl ester	GLE	
Cyclohexanone	GLE	
3-Pentanone	GLE	
1-Hexanol	GLE	
Propionitrile	GLE	
1-Chloropropane	GLE	
Di-n-propyl ether	GLE	
Nonane	GLE	
Ethylcyclohexane	GLE	
Acetic acid pentyl ester	GLE	
1-Heptene	GLE	
Bis(2-ethylhexyl) phthalate + Polystyrene	LLE	cloud points (precipitation threshold)
o-Dichlorobenzene + Polystyrene	LLE	spinodal points
o-Dichlorobenzene + Polystyrene	LLE	binodal points
Butanenitrile	GLE	
1-Chloropentane	GLE	

	p-Methyl-styrene + Poly(p-methylstyrene)	GLE	gas solubility
	Methyl-phosphonic acid dimethyl ester	GLE	
398	Polybutadiene-graft-polystyrene copolymer	1-Hexene + Styrene	VLE
		Styrene + 4-Methyl-1-pentene	VLE
399	Polycaprolactone	Acetone	GLE
		Ethanol	GLE
		Ethyl acetate	GLE
		Ethylbenzene	GLE
		Chlorobenzene	GLE
		Benzene	GLE
		1-Butanol	GLE
		2-Butanone	GLE
		n-Butane	GLE
		Butyl chloride	GLE
		Chloroform	GLE
		Cyclohexane	GLE
		Cyclopentane	GLE
		Cyclohexene	GLE
		Decane	GLE
		1,1-Dichloroethane [R 150a]	GLE
		1,2-Dichloroethane	GLE
		Dichloromethane	GLE
		1,4-Dioxane	GLE
		Dodecane	GLE
		Acetic acid butyl ester	GLE
		Methyl acetate	GLE
		Hexane	GLE
		Heptane	GLE
		Methanol	GLE
		Octane	GLE
		Pentane	GLE
		1-Pentanol	GLE
		1-Propanol	GLE
		Tetrachloromethane	GLE
		Tetrahydrofuran	GLE
		Toluene	GLE
		1,1,1-Trichloroethane [R140a]	GLE
		Trichloroethylene	GLE
		Acetic acid 3-methylbutyl ester	GLE
		Propane	GLE
		Acetic acid propyl ester	GLE
		1-Chlorooctane	GLE
		Isopropylbenzene	GLE
		Propylbenzene	GLE
		Acetic acid isobutyl ester	GLE

		Acetic acid isopropyl ester	GLE	
		Cycloheptane	GLE	
		Cyclooctane	GLE	
		Nonane	GLE	
		Methyl chloride	GLE	
		n-Undecane	GLE	
		1,4-Cyclohexadiene	GLE	
		tert-Butyl acetate	GLE	
		1-Chloropentane	GLE	
		1-Chlorohexane	GLE	
400	Polycarbonate		PVT	
401	Polycarbonate tetrabromobisphenol-A	Diethylene glycol diethyl ether	LLE	cloud points, LCST
402	Polycarbonate-4,4'-(1-phenylethylidene)bisphenol	Ethylbenzene	GLE	
		Chlorobenzene	GLE	
		Benzene	GLE	
		Chloroform	GLE	
		Methylcyclohexane	GLE	
		Decane	GLE	
		Dichloromethane	GLE	
		Dodecane	GLE	
		Acetic acid butyl ester	GLE	
		Butylbenzene	GLE	
		2-Pentanone	GLE	
		1-Propanol	GLE	
		Tetradecane	GLE	
		Toluene	GLE	
		1,1,2,2-Tetrachloroethane	GLE	
		Cyclohexanone	GLE	
		Cyclohexanol	GLE	
		tert-Butylbenzene	GLE	
		n-Butylcyclohexane	GLE	
403	Polycarbonate-4,4'-(4-tert-butylcyclohexylidene)bisphenol	Ethylbenzene	GLE	
		Chlorobenzene	GLE	
		Benzene	GLE	
		Chloroform	GLE	
		Methylcyclohexane	GLE	
		Decane	GLE	
		Dichloromethane	GLE	
		Dodecane	GLE	
		Acetic acid butyl ester	GLE	
		Butylbenzene	GLE	
		2-Pentanone	GLE	
		1-Propanol	GLE	
		Tetradecane	GLE	
		Toluene	GLE	
		1,1,2,2-Tetrachloroethane	GLE	
		Cyclohexanone	GLE	

	Cyclohexanol	GLE
	tert-Butylbenzene	GLE
	n-Butylcyclohexane	GLE
404 Polycarbonate-4,4'-cyclohexylidene-2,2'-dimethylbisphenol	Ethylbenzene	GLE
	Chlorobenzene	GLE
	Benzene	GLE
	Chloroform	GLE
	Methylcyclohexane	GLE
	Decane	GLE
	Dichloromethane	GLE
	Dodecane	GLE
	Acetic acid butyl ester	GLE
	Butylbenzene	GLE
	2-Pentanone	GLE
	1-Propanol	GLE
	Tetradecane	GLE
	Toluene	GLE
	1,1,2,2-Tetrachloroethane	GLE
	Cyclohexanone	GLE
	Cyclohexanol	GLE
	tert-Butylbenzene	GLE
	n-Butylcyclohexane	GLE
405 Polycarbonate-4,4'-cyclohexylidenebisphenol	Ethylbenzene	GLE
	Chlorobenzene	GLE
	Benzene	GLE
	Chloroform	GLE
	Methylcyclohexane	GLE
	Decane	GLE
	Dichloromethane	GLE
	Dodecane	GLE
	Acetic acid butyl ester	GLE
	Butylbenzene	GLE
	2-Pentanone	GLE
	1-Propanol	GLE
	Tetradecane	GLE
	Toluene	GLE
	1,1,2,2-Tetrachloroethane	GLE
	Cyclohexanone	GLE
	Cyclohexanol	GLE
	tert-Butylbenzene	GLE
	n-Butylcyclohexane	GLE
406 Polycarbonate-4,4'-diphenylmethylenedibisphenol	Ethylbenzene	GLE
	Chlorobenzene	GLE
	Benzene	GLE
	Chloroform	GLE
	Methylcyclohexane	GLE
	Decane	GLE
	Dichloromethane	GLE

	Dodecane	GLE	
	Acetic acid butyl ester	GLE	
	Butylbenzene	GLE	
	2-Pentanone	GLE	
	1-Propanol	GLE	
	Tetradecane	GLE	
	Toluene	GLE	
	1,1,2,2-Tetrachloroethane	GLE	
	Cyclohexanone	GLE	
	Cyclohexanol	GLE	
	tert-Butylbenzene	GLE	
	n-Butylcyclohexane	GLE	
407	Polycarbonate-bisphenol-A	Ethanol	VLE
		Ethyl acetate	GLE
		Ethylbenzene	GLE
		Ethylbenzene	VLE
		Chlorobenzene	GLE
		Chlorobenzene	VLE
		Benzene	GLE
		1-Butanol	GLE
		Chloroform	GLE
		Chloroform + ethylene terephthalate/p-hydroxybenzoic acid copolymer	LLE cloud points
		Methylcyclohexane	GLE
		Decane	GLE
		Dichloromethane	GLE
		Dodecane	GLE
		Acetic acid butyl ester	GLE
		Butylbenzene	GLE
		1-Nonanol	GLE
		Octane	GLE
		Pentane	VLE
		1-Pentanol	GLE
		2-Pentanone	GLE
		1-Propanol	GLE
		Tetradecane	GLE
		Toluene	GLE
		Toluene	VLE
		Water	VLE
		m-Xylene	GLE
		m-Xylene	VLE
		p-Xylene	GLE
		p-Xylene	VLE
		1,1,2,2-Tetrachloroethane	GLE
		Acetic acid 3-methylbutyl ester	GLE
		Cyclohexanone	GLE
		Cyclohexanol	GLE

## 408 Polychloroprene

1-Hexanol	GLE
o-Xylene	GLE
1-Heptanol	GLE
1-Octanol	GLE
1-Decanol	GLE
Propylbenzene	GLE
Acetic acid isobutyl ester	GLE
Acetic acid isopropyl ester	GLE
Nonane	GLE
1,3,5-Trimethylbenzene	VLE
n-Undecane	GLE
tert-Butylbenzene	GLE
o-Dichlorobenzene	GLE
tert-Butyl acetate	GLE
n-Butylcyclohexane	GLE
Acetone	GLE
Ethanol	GLE
Ethyl acetate	GLE
Ethylbenzene	GLE
Chlorobenzene	GLE
Benzene	GLE
1-Butanol	GLE
2-Butanone	GLE
n-Butane	GLE
Butyl chloride	GLE
Chloroform	GLE
Cyclohexane	GLE
Cyclopentane	GLE
Cyclohexene	GLE
Decane	GLE
1,1-Dichloroethane [R 150a]	GLE
1,2-Dichloroethane	GLE
Dichloromethane	GLE
1,4-Dioxane	GLE
Acetic acid butyl ester	GLE
Methyl acetate	GLE
Hexane	GLE
Heptane	GLE
Octane	GLE
1-Octene	GLE
Pentane	GLE
1-Pentanol	GLE
2-Pentanone	GLE
1-Propanol	GLE
Tetrachloromethane	GLE
Tetrahydrofuran	GLE
Toluene	GLE
1,1,1-Trichloroethane [R140a]	GLE

	Trichloroethylene	GLE	
	Propane	GLE	
	Acetic acid propyl ester	GLE	
	1-Chlorooctane	GLE	
	Cycloheptane	GLE	
	Cyclooctane	GLE	
	Nonane	GLE	
	Methyl chloride	GLE	
	n-Undecane	GLE	
	1,4-Cyclohexadiene	GLE	
	1-Chloropentane	GLE	
	1-Chlorohexane	GLE	
409	Polydiethylsiloxane	GLE	
	Benzene	GLE	
	Hexane	GLE	
	Heptane	GLE	
	Toluene	GLE	
410	Polydimethylsiloxane	PVT	
	Acetone	LLE	cloud points, UCST
	Acetone	GLE	
	Acetone	VLE	
	Acetone + Carbon dioxide	SWELLING	
	Ethanol	LLE	cloud points
	Ethanol	GLE	
	Ethanol + Toluene	LLE	cloud points
	Ethanol + Toluene	VLE	
	Diethyl ether	GLE	
	Methoxybenzene	LLE	cloud points, UCST
	Methoxybenzene	VLE	
	Ethyl acetate	PVT	
	Ethyl acetate	GLE	
	Ethylbenzene	PVT	
	Ethylbenzene	GLE	
	Chlorobenzene	PVT	
	Chlorobenzene	GLE	
	Benzene	PVT	
	Benzene	GLE	
	Benzene	VLE	
	1-Butanol	GLE	
	2-Butanone	PVT	
	2-Butanone	GLE	
	2-Butanone	VLE	
	n-Butane	LLE	cloud points, LCST
	n-Butane	GLE	
	Butyl chloride	GLE	
	Chloroform	GLE	
	Chloroform	VLE	
	Cyclohexane	PVT	
	Cyclohexane	GLE	
	Cyclohexane	VLE	

Cyclopentane	GLE
Cyclohexene	GLE
Methylcyclohexane	PVT
Methylcyclohexane	GLE
Methylcyclopentane	GLE
Decane	GLE
N,N-Dimethylaniline	GLE
1,1-Dichloroethane [R 150a]	GLE
1,2-Dichloroethane	GLE
Dichloromethane	GLE
Dichloromethane	VLE
2,4-Dimethylpentane	GLE
1,4-Dioxane	GLE
Dodecane	GLE
Acetic acid butyl ester	GLE
Acetic acid cyclohexyl ester	GLE
Methyl acetate	GLE
Acetic acid	GLE
Hexane	PVT
Hexane	GLE
Hexane	VLE
Hexane + Squalane	VLE
Hexane + Di-(3,5,5-trimethylhexyl)-phthalate	VLE
Heptane	PVT
Heptane	GLE
Heptane	VLE
2-Methylbutane	GLE
2-Propanol + Carbon dioxide	SWELLING
2,2,4-Trimethylpentane	GLE
2,2,4-Trimethylpentane	VLE
1-Hexene	GLE
Methanol	GLE
Methanol + Carbon dioxide	SWELLING
2-Methylpentane	GLE
3-Methylpentane	GLE
4-Methyl-2-pentanone	PVT
Octane	PVT
Octane	GLE
Octane	VLE
1-Octene	GLE
Pentane	GLE
Pentane	VLE
1-Pentanol	GLE
2-Pentanone	GLE
1-Propanol	GLE
Pyridine	GLE
Styrene	GLE
Tetrachloromethane	GLE

Tetrachloromethane + Polyisobutylene	LLE	coexistence data
Tetrahydrofuran	GLE	
Toluene	PVT	
Toluene	GLE	
Toluene	VLE	
Toluene + Carbon dioxide	VLE/GLE	vapor sorption
1,1,1-Trichloroethane [R140a]	GLE	
Trichloroethylene	GLE	
2,2,5-Trimethylhexane	GLE	
2,2,3-Trimethylbutane	GLE	
m-Xylene	PVT	
p-Xylene	PVT	
p-Xylene	GLE	
Propane	LLE	cloud points, LCST
Propane	GLE	
Acetic acid propyl ester	PVT	
Acetic acid propyl ester	GLE	
Chlorodifluoromethane [R22]	GLE	gas solubility
Chlorodifluoromethane [R22]	VLE	
2-Methyl-2-butene	GLE	
1-Chlorooctane	GLE	
2,3-Dimethylpentane	GLE	
o-Xylene	PVT	
o-Xylene	GLE	
1-Octanol	GLE	
Isopropylbenzene	PVT	
Isopropylbenzene	GLE	
2-Methyl-2-pentene	GLE	
2,3-Dimethylbutane	GLE	
Propylbenzene	GLE	
2,2-Dimethylbutane	GLE	
Cycloheptane	GLE	
Cyclooctane	GLE	
Nonane	GLE	
Nonane	VLE	
Diisobutyl ketone	PVT	
Hexamethyl disiloxane	PVT	
Hexamethyl disiloxane	VLE	
3-Methylhexane	GLE	
2,2-Dimethylpropane	LLE	cloud points, LCST
Tetramethylsilane	LLE	cloud points, LCST
Tetramethylsilane	LLE	cloud points, LCST, precipitation threshold
2-Methyl-1-pentene	GLE	
4-Methyl-1-pentene	GLE	
1,3,5-Trimethylbenzene	PVT	

Octamethyltrisiloxan	PVT	
Octamethylcyclotetrasiloxan e	PVT	
Octamethylcyclotetrasiloxan e	GLE	
Octamethylcyclotetrasiloxan e	VLE	
Octamethylcyclotetrasiloxan e	deltaHmix	heat of mixing (general)
2,4,4-Trimethyl-1-pentene	GLE	
2,4-Dimethyl-2-pentene	GLE	
Methyl chloride	GLE	
2,3-Dimethyl-2-butene	GLE	
1-Heptene	GLE	
Ethoxybenzene	LLE	cloud points, UCST
Ethoxybenzene	VLE	
3-Methylheptane	GLE	
n-Undecane	GLE	
2,3,4-Trimethyl pentane	GLE	
2-Methylhexane	GLE	
2,4-Dimethylhexane	GLE	
Ethylcyclopentane	GLE	
2,3-Dimethyl-1-butene	GLE	
o-Dichlorobenzene	GLE	
1,4-Cyclohexadiene	GLE	
trans-4-Octene	GLE	
2-Methyl-2-hexene	GLE	
cis-2-Pentene	GLE	
Perdeuteromethanol + Carbon dioxide	VLE	partition coefficients
cis-2-Hexene	GLE	
trans-3-Hexene	GLE	
trans-2-Heptene	GLE	
trans-3-Heptene	GLE	
Carbon dioxide	PVT	
Carbon dioxide	LLE	cloud points
Carbon dioxide	GLE	gas solubility
Carbon dioxide	SWELLING	
Carbon dioxide	GLE/SWELLING	
Carbon dioxide + Perdeutero-2-propanone	VLE	partition coefficients
Carbon dioxide + 2- Propanol-D8	VLE	partition coefficients
Ethane	LLE	cloud points, LCST
3-Heptanone	PVT	
cis-3-Hexene	GLE	
cis-3-Heptene	GLE	
2,2-Dimethylpentane	GLE	
4-Methylheptane	GLE	

trans-1,4-Dimethylcyclohexane	GLE
Bromocyclohexane	PVT
3,4-Dimethylhexane	GLE
2-Methylheptane	GLE
3,3-Dimethylpentane	GLE
1-Chloropentane	GLE
2,2-Dimethylhexane	GLE
2,5-Dimethylhexane	GLE
1,1-Dimethylcyclopentane	GLE
2,3-Dimethylhexane	GLE
1-Ethyl-3-methylbenzene	GLE
cis-1,3-Dimethylcyclohexane	GLE
2,3,3-Trimethyl-1-butene	GLE
1-Chlorohexane	GLE
3-Methyl-1-pentene	GLE
trans-2-Pentene	GLE
2,4,4-Trimethyl-2-pentene	GLE
m-Tolylacetate	GLE
p-Tolylacetate	GLE
Butyl trimethylsilyl ether	GLE
Cyclohexyl trimethylsilyl ether	GLE
m-Tolyl trimethylsilyl ether	GLE
p-Tolyl trimethylsilyl ether	GLE
n-Butyl trifluoroacetate	GLE
Cyclohexyl trifluoroacetate	GLE
m-Tolyl trifluoroacetate	GLE
p-Tolyl trifluoroacetate	GLE
Butyl pentafluoropropionate	GLE
Cyclohexyl pentafluoropropionate	GLE
m-Tolyl pentafluoropropionate	GLE
p-Tolyl pentafluoropropionate	GLE
Butyl tert-butyl ether	GLE
cis-4-Methyl-2-pentene	GLE
trans-4-Methyl-2-pentene	GLE
trans-3-Methyl-2-pentene	GLE
cis-3-Methyl-2-pentene	GLE
trans-1,3-Dimethylcyclopentane	GLE
1,1,2-Trimethylcyclopentane	GLE
1,1,3-Trimethylcyclopentane	GLE
cis,trans,cis-1,2,4-Trimethylcyclopentane	GLE
cis-1,2-Dimethylcyclopentane	GLE
3,3-Dimethylhexane	GLE

	2-Methyl-3-ethyl-pentane	GLE
	Decamethylcyclopentasiloxane	GLE
	Dodecamethylcyclohexasiloxane	GLE
	3-Ethylhexane	GLE
	2,4-Dimethyl-1-pentene	GLE
	cis-4,4-Dimethyl-2-pentene	GLE
	trans-4,4-Dimethyl-2-pentene	GLE
	4,4-Dimethyl-1-pentene	GLE
	cis-2,2-Dimethyl-3-hexene	GLE
	2,2,4,4-Tetramethylpentane	GLE
	cis-1,3-Dimethylcyclopentane	GLE
	trans-1,2-Dimethylcyclopentane	GLE
	trans-2,5-Dimethyl-3-hexene	GLE
	cis,cis,trans-1,2,4-Trimethylcyclopentane	GLE
	2,3,4-Trimethyl-2-pentene	GLE
	3-Methyl-1-hexene	GLE
	2-Methyl-1-hexene	GLE
	2,3-Dimethyl-1-hexene	GLE
	2,3-Dimethyl-2-pentene	GLE
	2,3-Dimethyl-2-hexene	GLE
	2,3-Dimethyl-1-pentene	GLE
	2,5-Dimethyl-2-hexene	GLE
	trans,cis,cis-1,2,3-Trimethylcyclopentane	GLE
	3,5,5-Trimethyl-1-hexene	GLE
	3,3-Dimethyl-1-pentene	GLE
	3,4-Dimethyl-1-pentene	GLE
	trans-3,4-Dimethyl-2-pentene	GLE
	cis-3,4-Dimethyl-2-pentene	GLE
	trans-2-Methyl-3-heptene	GLE
	trans-4-Methyl-2-hexene	GLE
	cis-4-Methyl-2-hexene	GLE
	cis-3-Methyl-2-hexene	GLE
411	Polyepichlorohydrin	PVT
	Acetone	GLE
	Ethanol	GLE
	Ethyl acetate	GLE
	Ethylbenzene	GLE
	Chlorobenzene	GLE
	Benzene	GLE
	1-Butanol	GLE
	2-Butanone	GLE
	n-Butane	GLE

Butyl chloride	GLE	
Chloroform	GLE	
Cyclohexane	GLE	
Cyclopentane	GLE	
Cyclohexene	GLE	
Decane	GLE	
1,1-Dichloroethane [R 150a]	GLE	
1,2-Dichloroethane	GLE	
Dichloromethane	GLE	
1,4-Dioxane	GLE	
Dodecane	GLE	
Acetic acid butyl ester	GLE	
Methyl acetate	GLE	
Hexane	GLE	
Heptane	GLE	
2-Propanol	GLE	
Methanol	GLE	
Octane	GLE	
Pentane	GLE	
1-Pentanol	GLE	
1-Propanol	GLE	
tert-Butanol	GLE	
Tetrachloromethane	GLE	
Tetrahydrofuran	GLE	
Toluene	GLE	
Toluene	VLE	
1,1,1-Trichloroethane [R140a]	GLE	
Trichloroethylene	GLE	
Propane	GLE	
Acetic acid propyl ester	GLE	
1-Chlorooctane	GLE	
Cycloheptane	GLE	
Cyclooctane	GLE	
Nonane	GLE	
Methyl chloride	GLE	
n-Undecane	GLE	
1,4-Cyclohexadiene	GLE	
tert-Butyl acetate	GLE	
1-Chloropentane	GLE	
1-Chlorohexane	GLE	
4-Chlorofluorobenzene	GLE	
	PVT	
Ethanol	VLE	
Ethanol + Water	VLE	
Ethanol + Carbon dioxide	LLE	cloud points, UCST
Ethanol + Carbon dioxide	LLE	cloud points, UCST/LCST-merging behavior

412 Polyester

	Ethanol + Carbon dioxide	LLE	cloud points, LCST
	Tetrahydrofuran + Water	LLE	cloud points
	Tetrahydrofuran + Water	LLE	coexistence data
	Water	VLE	
	Water	VLLE	coexistence data
	Water + Carbon dioxide	LLE	cloud points, UCST
413 Polyesteramide	Ethanol + Water	VLE	
	Tetrahydrofuran + Water	VLE	
	Water	VLE	
414 Polyetherimide	Ethylbenzene	GLE	
	Chlorobenzene	GLE	
	Decane	GLE	
	N,N-Dimethylformamide (DMF) + Water + N-Methyl-2-pyrrolidone	LLE	cloud points
	Dodecane	GLE	
	Acetic acid butyl ester	GLE	
	Acetic acid	GLE	
	Propionic acid	GLE	
	Dimethyl sulfoxide	GLE	
	Tetrahydrofuran	GLE	
	Water	GLE	
	Water + N-Methyl-2-pyrrolidone	LLE	cloud points
	Water + N-Methyl-2-pyrrolidone + Poly(1-vinyl-2-pyrrolidinone)	LLE	cloud points
	Acetic acid 3-methylbutyl ester	GLE	
	N-Methyl-2-pyrrolidone	GLE	
	Isopropylbenzene	GLE	
	Propylbenzene	GLE	
	Tridecane	GLE	
	Nonane	GLE	
	gamma-Butyrolactone	GLE	
	n-Undecane	GLE	
415 Polyethersulfone		PVT	
	Acetone + N,N-Dimethylformamide (DMF)	LLE	cloud points
	Acetone + N,N-Dimethylformamide (DMF)	VLE	
	Ethanol + N,N-Dimethylformamide (DMF)	LLE	cloud points
	N,N-Dimethylformamide (DMF)	VLE	
	N,N-Dimethylformamide (DMF) + 2-Propanol	LLE	cloud points
	N,N-Dimethylformamide (DMF) + Water	LLE	cloud points
	N,N-Dimethylformamide (DMF) + Water	LLE	coexistence data

	N,N-Dimethylformamide (DMF) + Water	VLE	
	N,N-Dimethylformamide (DMF) + Polystyrene	LLE	coexistence data
	N,N-Dimethylformamide (DMF) + Poly(methyl methacrylate)	LLE	coexistence data
	Water + N-Methyl-2-pyrrolidone	LLE	cloud points
	Water + N-Methyl-2-pyrrolidone	LLE	coexistence data
416	Polyetherurethane		
	Acetonitrile	VLE	
	Chlorobenzene	GLE	
	1-Butanol	GLE	
	Methylcyclohexane	GLE	
	Decane	GLE	
	N,N-Dimethylformamide (DMF) + Water	LLE	cloud points
	N,N-Dimethylformamide (DMF) + Water	LLE	spinodal points
	1,4-Dioxane	GLE	
	Acetic acid butyl ester	GLE	
	4-Methyl-2-pentanone	GLE	
	Octane	GLE	
	1-Pentanol	GLE	
	trans-Decahydronaphthalene	GLE	
	Toluene	GLE	
	p-Xylene	GLE	
	Acetic acid 3-methylbutyl ester	GLE	
	Cyclohexanone	GLE	
	cis-Decahydronaphthalene	GLE	
	o-Xylene	GLE	
	Nonane	GLE	
417	Polyethylene	PVT	
	Acetone	GLE	
	Benzyl alcohol	GLE	
	Ethylbenzene	GLE	
	Ethylbenzene	VLE	
	Chlorobenzene	GLE	
	Chlorobenzene	VLE	
	Benzene	GLE	
	1-Butanol	GLE	
	2-Butanone	GLE	
	n-Butane	GLE	
	n-Butane	GLE	gas solubility
	Cyclohexane	LLE	cloud points
	Cyclohexane	GLE	
	Cyclohexane + Propane	LLE	cloud points
	Cyclohexane + Carbon dioxide	LLE	cloud points

Cyclohexane + Ethane	LLE	cloud points
Cyclohexane + Nitrogen	LLE	cloud points
Cyclohexane + Polystyrene	LLE	cloud points
Cyclohexane + Polystyrene	LLE	cloud points, UCST
Cyclohexane + Polystyrene	LLE	cloud points, LCST
Cyclopentane	LLE	cloud points, LCST
Cyclopentane	VLE	
Decane	PVT	
Decane	GLE	
Dodecane	GLE	
Acetic acid butyl ester	GLE	
Hexane	LLE	cloud points
Hexane	LLE	cloud points, LCST
Hexane	GLE	
Hexane	GLE	vapor/gas solubility
Hexane	VLE	
Hexane	VLLE	
Hexane	VLLE	coexistence data
Hexane	LLE/CRI	cloud points, critical data
Hexane + 1-Octene	LLE	cloud points
Hexane + 1-Octene + Ethylene	LLE	cloud points
Hexane + Ethylene	LLE	cloud points
Hexane + Ethylene	VLE	
Hexane + Ethylene	VLLE	
Hexane + Nitrogen	LLE	cloud points
Hexane + Nitrogen	GLE	vapor/gas solubility
Hexane + Nitrogen	VLE	
Hexane + Nitrogen	VLLE	
Heptane	LLE	cloud points, LCST
Heptane	GLE	
Heptane	GLE	vapor/gas solubility
Heptane	VLE	
Heptane + Carbon dioxide	LLE	cloud points, LCST
2-Propanol	GLE	
2,2,4-Trimethylpentane	GLE	
1-Hexene	GLE	
1-Hexene	GLE	gas solubility
1-Hexene	VLE	
1-Hexene + Ethylene	LLE	cloud points
2-Methylpentane	LLE	cloud points
2-Methylpentane	VLE	
2-Methylpentane	VLLE	
Butylbenzene	GLE	
4-Methyl-2-pentanone	GLE	
Octane	LLE	cloud points, LCST
Octane	GLE	
1-Octene	LLE	cloud points
1-Octene	GLE	

1-Octene	VLE	
Pentane	PVT	
Pentane	LLE	cloud points
Pentane	VLE	
Phenol	GLE	
tert-Butanol	GLE	
trans-Decahydronaphthalene	GLE	
1,2,3,4-Tetrahydronaphthalene	GLE	
Tetrahydrofuran	GLE	
Toluene	GLE	
Toluene	VLE	
Vinyl acetate	GLE	
Vinyl acetate + Ethylene	LLE	cloud points
Vinyl acetate + Ethylene	LLE	coexistence data
m-Xylene	GLE	
m-Xylene	VLE	
p-Xylene	GLE	
p-Xylene	VLE	
Propane	PVT	
Propane	LLE	cloud points
Propane	GLE	gas solubility
Propane	VLE	
Acetic acid propyl ester	VLE	
2-Nitropropane	GLE	
1-Pentene	VLE	
3-Pentanone	VLE	
1-Hexanol	LLE	cloud points, UCST
cis-Decahydronaphthalene	GLE	
2-Methylpropane	GLE	gas solubility
2-Methylpropane	VLE	
2-Propenoic acid butyl ester + Ethylene	LLE	cloud points
o-Xylene	GLE	
o-Xylene	VLE	
1-Nonene	GLE	
1-Octanol	LLE	cloud points, UCST
1-Decanol	LLE	cloud points, UCST
Isopropylbenzene	GLE	
1-Butene	LLE	coexistence data
1-Butene	GLE	gas solubility
1-Butene	VLE	
Isopropylamine	VLE	
Nonane	GLE	
3-Methylhexane	GLE	
4-Methyl-1-pentene + Ethylene	LLE	coexistence data
1,3,5-Trimethylbenzene	GLE	
Octamethylcyclotetrasiloxane	LLE	cloud points, UCST

	Diphenyl ether	LLE	UCST
	Diphenyl ether	LLE	spinodal points (UCST)
	Diphenyl ether	LLE	tie lines (UCST)
	1-Dodecanol	LLE	cloud points, UCST
	Methyl chloride	GLE	
	3-Methylheptane	GLE	
	Xylene <Isomer not specified>	LLE	cloud points
	3-Pentanol	VLE	
	Pentadecane	GLE	
	2,4-Dimethylhexane	GLE	
	Cyclopentene	LLE	cloud points, LCST
	Carbon dioxide	GLE	
	Carbon dioxide	GLE	gas solubility
	Carbon dioxide	VLE	
	Methane	GLE	gas solubility
	Ethylene	PVT	
	Ethylene	LLE	cloud points
	Ethylene	LLE	coexistence data
	Ethylene	LLE	fract. by demixing
	Ethylene	GLE	
	Ethylene	GLE	gas solubility
	Ethylene	GLE/PVT	gas solubility/density
	Ethylene	VLE	
	Ethylene	VLE	bubble points
	Ethylene	LLE/CRI	cloud points, critical data
	Ethane	LLE	cloud points
	Ethane	GLE	
	Nitrogen	GLE	gas solubility
	Nitrogen	VLE	
	3,4-Dimethylhexane	GLE	
	2-Methylheptane	GLE	
	2,2,4-Trimethylhexane	GLE	
	2,5-Dimethylhexane	GLE	
	Sulfur dioxide	GLE	
	1-Chloro-1,1-difluoroethane [R142b]	GLE	gas solubility
	1,1,1,2-Tetrafluoroethane [R134a]	GLE	gas solubility
	2,2,4-Trimethylheptane	GLE	
	4-Chloro-1-butanol	GLE	
418	Polyethylenimine	PVT	
	Water	VLE	
	Water + Poly(ethylene glycol)	LLE	cloud points
	Water + Poly(ethylene glycol)	LLE	coexistence data
419	Polyethylethylene	GLE	
	Ethanol	GLE	
	Ethyl acetate	GLE	

	Ethylbenzene	GLE	
	Chlorobenzene	GLE	
	Benzene	GLE	
	1-Butanol	GLE	
	2-Butanone	GLE	
	n-Butane	GLE	
	Butyl chloride	GLE	
	Chloroform	GLE	
	Cyclohexane	GLE	
	Cyclopentane	GLE	
	Cyclohexene	GLE	
	Decane	GLE	
	1,1-Dichloroethane [R 150a]	GLE	
	1,2-Dichloroethane	GLE	
	Dichloromethane	GLE	
	1,4-Dioxane	GLE	
	Acetic acid butyl ester	GLE	
	Methyl acetate	GLE	
	Hexane	GLE	
	Heptane	GLE	
	Octane	GLE	
	Pentane	GLE	
	1-Pentanol	GLE	
	1-Propanol	GLE	
	Tetrachloromethane	GLE	
	Tetrahydrofuran	GLE	
	Toluene	GLE	
	1,1,1-Trichloroethane [R140a]	GLE	
	Trichloroethylene	GLE	
	Propane	GLE	
	Acetic acid propyl ester	GLE	
	1-Chlorooctane	GLE	
	Cycloheptane	GLE	
	Cyclooctane	GLE	
	Nonane	GLE	
	Diphenyl ether	LLE	UCST
	Methyl chloride	GLE	
	n-Undecane	GLE	
	1,4-Cyclohexadiene	GLE	
	1-Chloropentane	GLE	
	1-Chlorohexane	GLE	
420	Polyethylsiloxane	PVT	
421	Polyfluoroalkoxyphosphazene	Carbon dioxide	LLE cloud points
422	Polyglycerol	PVT	
	Ethanol	VLE	
	Ethanol + Water	GLE	gas solubility
	Ethanol + Water	VLE	
	2-Propanol + Water	VLE	

	Tetrahydrofuran + Water	LLE	cloud points
	Tetrahydrofuran + Water	LLE	coexistence data
	Water	LLE	coexistence data
	Water	VLE	
423	Polyimide		
	N,N-Dimethylformamide (DMF)	LLE	cloud points
	Dimethyl sulfoxide	LLE	cloud points
	N-Methyl-2-pyrrolidone	LLE	cloud points
	gamma-Butyrolactone	LLE	cloud points
424	Polyisobutylene		
		PVT	
	Acetone	GLE	
	Acetone	VLE	
	Ethanol	GLE	
	Ethanol	VLE	
	Ethyl acetate	GLE	
	2-Butanol	VLE	
	Ethylbenzene	GLE	
	Ethylbenzene	VLE	
	Chlorobenzene	PVT	
	Chlorobenzene	GLE	
	Chlorobenzene	deltaHmix	heat of mixing (general)
	Benzene	PVT	
	Benzene	GLE	
	Benzene	VLE	
	Benzene	deltaHmix	heat of mixing (general)
	Benzene	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
	1-Butanol	GLE	
	1-Butanol	VLE	
	2-Butanone	GLE	
	2-Butanone	VLE	
	2-Butanone + Toluene	LLE	coexistence data
	n-Butane	LLE	cloud points, LCST
	n-Butane	GLE	
	n-Butane	VLE	
	Butyl chloride	GLE	
	Chloroform	GLE	
	Chloroform	VLE	
	Cyclohexane	PVT	
	Cyclohexane	GLE	
	Cyclohexane	VLE	
	Cyclohexane	deltaHmix	heat of mixing (general)
	Cyclopentane	GLE	
	Cyclopentane	VLE	
	Cyclohexene	GLE	
	Methylcyclohexane	PVT	
	Decane	PVT	
	Decane	GLE	
	1,1-Dichloroethane [R 150a]	GLE	

1,2-Dichloroethane	GLE	
Dichloromethane	GLE	
1,4-Dioxane	GLE	
Acetic acid butyl ester	GLE	
Methyl acetate	GLE	
Methyl acetate	VLE	
Hexane	PVT	
Hexane	LLE	cloud points, LCST
Hexane	GLE	
Hexane	VLE	
Heptane	PVT	
Heptane	LLE	cloud points, LCST
Heptane	GLE	
Heptane	GLE	vapor/gas solubility
Heptane	VLE	
Heptane	deltaHmix	heat of mixing (general)
Heptane + Carbon dioxide	LLE	cloud points, LCST
Heptane + Carbon dioxide	GLE	gas solubility
Heptane + Carbon dioxide	GLE	vapor/gas solubility
2-Methylbutane	LLE	cloud points, LCST
2-Methylbutane	VLE	
2-Propanol	VLE	
2,2,4-Trimethylpentane	GLE	
2,2,4-Trimethylpentane	VLE	
Methanol	VLE	
2-Methyl-1-propanol	VLE	
Octane	PVT	
Octane	GLE	
Octane	VLE	
Pentane	PVT	
Pentane	LLE	cloud points, LCST
Pentane	GLE	
Pentane	VLE	
Pentane + Heptadecane	GLE	gas solubility
1-Pentanol	GLE	
1-Propanol	GLE	
1-Propanol	VLE	
Tetrachloromethane	GLE	
Tetrachloromethane	VLE	
Tetrachloromethane + Polystyrene	LLE	coexistence data
Tetrachloromethane + Polydimethylsiloxane	LLE	coexistence data
Tetrahydrofuran	GLE	
Toluene	PVT	
Toluene	GLE	
Toluene	VLE	
Toluene + Polystyrene	LLE	spinodal points
1,1,1-Trichloroethane	GLE	

	[R140a]		
	Trichloroethylene	GLE	
	Trichloroethylene	VLE	
	p-Xylene	VLE	
	Propane	LLE	cloud points
	Propane	LLE	cloud points, LCST
	Propane	GLE	
	Propane	VLE	
	Acetic acid propyl ester	GLE	
	Acetic acid propyl ester	VLE	
	Chlorodifluoromethane	LLE	cloud points
	[R22]		
	1-Chlorooctane	GLE	
	2-Methylpropane	VLE	
	2,2-Dimethylbutane	VLE	
	Cycloheptane	GLE	
	Cyclooctane	GLE	
	Nonane	GLE	
	Nonane	VLE	
	2,2-Dimethylpropane	VLE	
	Hexadecane	PVT	
	Dimethyl ether	LLE	cloud points
	Methyl chloride	GLE	
	n-Undecane	GLE	
	1,4-Cyclohexadiene	GLE	
	Carbon dioxide	LLE	cloud points
	Ethylene	LLE	cloud points
	Ethane	LLE	cloud points
	1-Chloropentane	GLE	
	1-Chlorohexane	GLE	
425	Polyisoprene		
	Acetonitrile	GLE	
	Acetone	GLE	
	1,2-Ethandiol	GLE	
	Aniline	GLE	
	Ethyl acetate	GLE	
	Benzyl alcohol	GLE	
	Ethylbenzene	GLE	
	Benzene	GLE	
	Benzene	VLE	
	1-Butanol	GLE	
	2-Butanone	GLE	
	Chloroform	GLE	
	Cyclohexane	GLE	
	Cyclohexane	VLE	
	1,2-Dichloroethane	GLE	
	Dichloromethane	GLE	
	N,N-Dimethylformamide (DMF)	GLE	
	1,4-Dioxane	GLE	

	Benzaldehyde	GLE	
	Acetic acid	GLE	
	Hexane	GLE	
	2-Propanol	GLE	
	Methanol	GLE	
	4-Methyl-2-pentanone	GLE	
	Tetrachloromethane	GLE	
	Tetrahydrofuran	GLE	
	Toluene	GLE	
	Toluene + Polystyrene	LLE	coexistence data
	p-Xylene	GLE	
	Propane	LLE	cloud points
	Cyclohexanone	GLE	
	Dimethyl ether	LLE	cloud points
	Carbon dioxide	GLE/SWELLI NG	
	Ethylene	LLE	cloud points
	Ethane	LLE	cloud points
	Propylene	LLE	cloud points
	Propylene	LLE	coexistence data
426	Polymethacrylonitrile	Acetone + Poly(methyl methacrylate)	LLE coexistence data
427	Polymethylphenylsiloxane		PVT
	Chlorobenzene	GLE	
	Benzene	GLE	
	Butyl chloride	PVT	
	Cyclohexane	PVT	
	Cyclohexane	GLE	
	Methylcyclohexane	GLE	
	Decane	GLE	
	2,4-Dimethylpentane	GLE	
	Acetic acid butyl ester	GLE	
	Acetic acid cyclohexyl ester	GLE	
	Hexane	GLE	
	Heptane	GLE	
	2,2,4-Trimethylpentane	GLE	
	1-Hexene	GLE	
	Octane	GLE	
	1-Octene	GLE	
	Pentane	GLE	
	Toluene	GLE	
	2,3-Dimethylpentane	GLE	
	o-Xylene	GLE	
	2-Methyl-2-pentene	GLE	
	2,3-Dimethylbutane	GLE	
	2,2-Dimethylbutane	GLE	
	Nonane	GLE	
	2-Methyl-1-pentene	GLE	
	4-Methyl-1-pentene	GLE	

	2,4,4-Trimethyl-1-pentene	GLE	
	1-Heptene	GLE	
	2,3,4-Trimethyl pentane	GLE	
	cis-2-Pentene	GLE	
	trans-3-Hexene	GLE	
	cis-3-Hexene	GLE	
	2,2-Dimethylpentane	GLE	
	3,3-Dimethylpentane	GLE	
	1-Ethyl-3-methylbenzene	GLE	
	3-Methyl-1-pentene	GLE	
	trans-2-Pentene	GLE	
	2,4,4-Trimethyl-2-pentene	GLE	
	m-Tolylacetate	GLE	
	p-Tolylacetate	GLE	
	Butyl trimethylsilyl ether	GLE	
	Cyclohexyl trimethylsilyl ether	GLE	
	m-Tolyl trimethylsilyl ether	GLE	
	p-Tolyl trimethylsilyl ether	GLE	
	n-Butyl trifluoroacetate	GLE	
	Cyclohexyl trifluoroacetate	GLE	
	m-Tolyl trifluoroacetate	GLE	
	p-Tolyl trifluoroacetate	GLE	
	Butyl pentafluoropropionate	GLE	
	Cyclohexyl pentafluoropropionate	GLE	
	m-Tolyl pentafluoropropionate	GLE	
	p-Tolyl pentafluoropropionate	GLE	
	Butyl tert-butyl ether	GLE	
	trans-3-Methyl-2-pentene	GLE	
	cis-3-Methyl-2-pentene	GLE	
	3,5,5-Trimethyl-1-hexene	GLE	
428	Polymethylphenylsilylenemethylene	PVT	
429	Polynorbornene	PVT	
430	Polyol	LLE	cloud points
431	Polyperfluoroether	PVT	
432	Polypropylene	PVT	
	Acetone	GLE	
	Ethanol	GLE	
	Ethyl acetate	GLE	
	Ethylbenzene	GLE	
	Chlorobenzene	GLE	
	Benzene	PVT	
	Benzene	GLE	
	1-Butanol	GLE	
	2-Butanone	GLE	
	n-Butane	LLE	cloud points
	n-Butane	GLE	

n-Butane	GLE	gas solubility
n-Butane + Toluene	LLE	cloud points
n-Butane + Toluene	GLE	gas solubility
Butyl chloride	GLE	
Chloroform	PVT	
Chloroform	GLE	
Cyclohexane	PVT	
Cyclohexane	GLE	
Cyclopentane	GLE	
Cyclohexene	GLE	
Decane	GLE	
1,1-Dichloroethane [R 150a]	GLE	
1,2-Dichloroethane	GLE	
Dichloromethane	GLE	
1,4-Dioxane	GLE	
Dodecane	GLE	
Acetic acid butyl ester	GLE	
Methyl acetate	GLE	
Hexane	PVT	
Hexane	GLE	
Heptane	PVT	
Heptane	GLE	
2-Methylbutane	GLE	
Octane	GLE	
Pentane	PVT	
Pentane	GLE	
1-Pentanol	GLE	
1-Propanol	GLE	
Styrene	GLE	
Tetrachloromethane	PVT	
Tetrachloromethane	GLE	
Tetrachloromethane	VLE	
Tetrahydrofuran	GLE	
Toluene	GLE	
Toluene + 1-Butene	LLE	cloud points
Toluene + 1-Butene	GLE	gas solubility
1,1,1-Trichloroethane [R140a]	GLE	
Trichloroethylene	GLE	
m-Xylene	GLE	
Propane	LLE	cloud points
Propane	GLE	
Acetic acid propyl ester	GLE	
1-Chlorooctane	GLE	
3-Pentanone	VLE	
cis-Decahydronaphthalene	LLE	spinodal points (UCST)
2-Methylpropane	GLE	
2-Methylpropane	GLE	gas solubility
1,3-Butadiene	GLE	

	1-Butene	LLE	cloud points	
	2,2-Dimethylbutane	GLE		
	Cycloheptane	GLE		
	Cyclooctane	GLE		
	Nonane	GLE		
	1,3,5-Trimethylbenzene	GLE		
	Methyl chloride	GLE		
	2,4-Dimethyl-3-pentanone	VLE		
	n-Undecane	GLE		
	1,4-Cyclohexadiene	GLE		
	Carbon dioxide	GLE	gas solubility	
	Propylene	LLE	cloud points	
	Propylene	GLE		
	Propylene	GLE	gas solubility	
	Nitrogen	GLE		
	Nitrogen	GLE	gas solubility	
	1-Chloropentane	GLE		
	1-Chlorohexane	GLE		
433	Polysaccharide	Water + Poly(ethylene glycol)	LLE	coexistence data
434	Polystyrene		PVT	
	Acetaldehyde	LLE	cloud points	
	Acetaldehyde	LLE	spinodal points	
	Acetonitrile	GLE		
	Acetonitrile	VLE		
	Acetone	LLE	cloud points	
	Acetone	LLE	cloud points, UCST	
	Acetone	LLE	cloud points, LCST	
	Acetone	LLE	spinodal points	
	Acetone	LLE	spinodal points (UCST)	
	Acetone	LLE	plait point composition	
	Acetone	GLE		
	Acetone	VLE		
	Acetone + Perdeutero-2-propanone	LLE	cloud points	
	Acetone + Perdeutero-2-propanone	LLE	spinodal points	
	1,2-Ethandiol	GLE		
	Ethanol	LLE	solubility of solvent in polymer	
	Ethanol	GLE		
	Diethyl ether	LLE	UCST	
	Diethyl ether	LLE	LCST	
	Diethyl ether	GLE		
	Aniline	GLE		
	Methoxybenzene	GLE		
	Methoxybenzene	VLE		
	Methoxybenzene	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]	
	Methoxybenzene +	LLE	cloud points, LCST	

Poly(methyl methacrylate)			
Ethyl acetate	PVT		
Ethyl acetate	LLE	cloud points, LCST	
Ethyl acetate	LLE	cloud points, UCST, precipitation threshold	
Ethyl acetate	GLE		
Ethyl acetate	VLE		
Ethyl acetate	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]	
Ethyl acetate + Poly(methyl methacrylate)	LLE	cloud points, LCST	
Benzyl alcohol	GLE		
Benzyl alcohol + Poly(gamma-benzyl-L- glutamate)	LLE	coexistence data	
Ethylbenzene	PVT		
Ethylbenzene	GLE		
Ethylbenzene	VLE		
Ethylbenzene	deltaHmix	heat of mixing (general)	
Ethylbenzene	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]	
Ethylbenzene + Toluene	GLE	gas solubility	
Ethylbenzene + Toluene	VLE		
Ethylbenzene + Poly(methyl methacrylate)	LLE	cloud points, LCST	
Ethylbenzene + Poly(vinyl methyl ether)	GLE	gas solubility	
Bromobenzene	GLE		
Bromobenzene + Poly(methyl methacrylate)	LLE	cloud points, LCST	
Chlorobenzene	PVT		
Chlorobenzene	GLE		
Chlorobenzene	deltaHmix	heat of mixing (general)	
Chlorobenzene + Poly(methyl methacrylate)	LLE	cloud points, LCST	
Benzonitrile + Poly(methyl methacrylate)	LLE	cloud points, LCST	
Nitrobenzene	GLE		
Nitrobenzene + Poly(methyl methacrylate)	LLE	cloud points, LCST	
Benzene	PVT		
Benzene	GLE		
Benzene	VLE		
Benzene	deltaHmix	heat of mixing (general)	
Benzene	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]	
Benzene + Methanol	LLE	coexistence data	
Benzene + Toluene	GLE	gas solubility	
Benzene + Toluene	VLE		
Benzene + Poly(methyl methacrylate)	LLE	cloud points, LCST	
Benzene + Poly(methyl	LLE	cloud point (critical	

methacrylate)		point)
Benzene + Polybutadiene	LLE	cloud points
Benzene + Poly(vinyl methyl ether)	GLE	gas solubility
Benzene + Poly(4-chlorostyrene)	LLE	cloud points, LCST
Benzene + Poly(4-methoxystyrene)	LLE	cloud points, LCST
Butyl bromide	LLE	cloud points, UCST
1-Butanol	LLE	cloud points, UCST
1-Butanol	LLE	cloud points, UCST, precipitation threshold
1-Butanol	LLE	solubility of solvent in polymer
1-Butanol	GLE	
2-Butanone	PVT	
2-Butanone	GLE	
2-Butanone	GLE	gas solubility
2-Butanone	VLE	
2-Butanone	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
2-Butanone + Methanol	LLE	cloud points
2-Butanone + Methanol	LLE	coexistence data
2-Butanone + Methanol	GLE	gas solubility
2-Butanone + Methanol	VLE	
2-Butanone + 1-Pentanol	LLE	cloud points
2-Butanone + 1-Pentanol	LLE	coexistence data
2-Butanone + 1-Pentanol	GLE	gas solubility
2-Butanone + 1-Pentanol	VLE	
2-Butanone + 1-Propanol	LLE	cloud points
2-Butanone + 1-Propanol	LLE	coexistence data
2-Butanone + 1-Propanol	GLE	gas solubility
2-Butanone + 1-Propanol	VLE	
2-Butanone + Carbon dioxide	VLE/LLE	bubble + cloud points
n-Butane	GLE	
n-Butane	GLE	gas solubility
Chloroform	PVT	
Chloroform	GLE	
Chloroform	VLE	
Chloroform	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Chloroform + Tetrachloromethane	GLE	gas solubility
Chloroform + Tetrachloromethane	VLE	
Chloroform + Carbon dioxide	VLE/LLE	bubble + cloud points
Chloroform + Poly(methyl methacrylate)	LLE	cloud points, LCST
Chloroform + Polybutadiene	LLE	coexistence data

Chloroform + Polybutadiene	LLE	plait point composition
Chloroform + Poly(vinyl methyl ether)	GLE	gas solubility
Chloroform + Poly(4-methylstyrene)	LLE	cloud points, LCST
Chloroform + Poly(3-methylstyrene)	LLE	cloud points, LCST
Chloroform + Poly(2-methylstyrene)	LLE	cloud points, LCST
Cyclohexane	PVT	
Cyclohexane	LLE	cloud points
Cyclohexane	LLE	cloud points, UCST
Cyclohexane	LLE	cloud points, LCST
Cyclohexane	LLE	coexistence data
Cyclohexane	LLE	coexistence data
Cyclohexane	LLE	UCST
Cyclohexane	LLE	cloud points, UCST
Cyclohexane	LLE	spinodal points (UCST)
Cyclohexane	LLE	tie lines (UCST)
Cyclohexane	LLE	cloud points, UCST, precipitation threshold
Cyclohexane	LLE	critical point
Cyclohexane	LLE	cloud points and spinodal points
Cyclohexane	LLE	LLLE
Cyclohexane	GLE	
Cyclohexane	VLE	
Cyclohexane	deltaHmix	heat of mixing (general)
Cyclohexane	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Cyclohexane + Cyclopentane	LLE	cloud points, LCST
Cyclohexane + Methylcyclohexane	LLE	cloud points
Cyclohexane + Methylcyclohexane	LLE	coexistence data
Cyclohexane + Toluene	GLE	gas solubility
Cyclohexane + Toluene	VLE	
Cyclohexane + Nitroethane	LLE	cloud points
Cyclohexane + Propane	LLE	cloud points
Cyclohexane + Carbon dioxide	LLE	cloud points
Cyclohexane + Carbon dioxide	LLE	coexistence data
Cyclohexane + Carbon dioxide	VLE/LLE	bubble + cloud points
Cyclohexane + Carbon dioxide	VLLE	coexistence data
Cyclohexane + Ethane	LLE	cloud points
Cyclohexane + Nitrogen	LLE	cloud points
Cyclohexane + Polyethylene	LLE	cloud points
Cyclohexane + Polyethylene	LLE	cloud points, UCST

Cyclohexane + Polyethylene	LLE	cloud points, LCST
Cyclohexane + Polybutadiene	LLE	coexistence data
Cyclohexane + Poly(vinyl methyl ether)	GLE	gas solubility
Cyclohexane + Poly(butyl methacrylate)	VLE	
Cyclohexane + Polystyrene-b-poly(dimethylsiloxane) diblock copolymer	LLE	cloud points
Cyclopentane	LLE	cloud points, UCST
Cyclopentane	LLE	cloud points, LCST
Cyclopentane	GLE	
Methylcyclohexane	PVT	
Methylcyclohexane	LLE	cloud points
Methylcyclohexane	LLE	cloud points, UCST
Methylcyclohexane	LLE	cloud points, LCST
Methylcyclohexane	LLE	spinodal points
Methylcyclohexane	LLE	coexistence data
Methylcyclohexane	LLE	UCST
Methylcyclohexane	LLE	cloud points, LCP/UCP branch
Methylcyclohexane	LLE	cloud points, UCP behavior
Methylcyclohexane	LLE	spinodal points (UCST)
Methylcyclohexane	LLE	tie lines (UCST)
Methylcyclohexane	LLE	LLLE
Methylcyclohexane	GLE	vapor/gas solubility
Methylcyclohexane	VLE	
Methylcyclohexane	VLLE	coexistence data
Methylcyclohexane + Carbon dioxide	LLE	cloud points
Methylcyclopentane	LLE	cloud points
Methylcyclopentane + Perdeuteromethylcyclopentane	LLE	cloud points
Dibutyl ether	GLE	
Decane	LLE	cloud points, LCST
Decane	GLE	
N,N-Dimethylaniline + Poly(methyl methacrylate)	LLE	cloud points, LCST
1,2-Dichloroethane	GLE	
1,2-Dichloroethane	VLE	
Dichloromethane	GLE	
Dichloromethane	VLE	
N,N-Dimethylformamide (DMF)	GLE	
N,N-Dimethylformamide (DMF) + Poly(vinylidene fluoride)	LLE	coexistence data
N,N-Dimethylformamide (DMF) + Polyethersulfone	LLE	coexistence data

1,4-Dioxane	PVT	
1,4-Dioxane	GLE	
1,4-Dioxane	VLE	
1,4-Dioxane	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
1,4-Dioxane + Poly(methyl methacrylate)	LLE	cloud points, LCST
1,4-Dioxane + Polybutadiene	LLE	coexistence data
Dodecane	LLE	cloud points, LCST
Dodecane	GLE	
Benzaldehyde	GLE	
Acetic acid butyl ester	LLE	cloud points, LCST
Acetic acid butyl ester	GLE	
Acetic acid butyl ester	VLE	
Methyl acetate	LLE	cloud points, UCST
Methyl acetate	LLE	cloud points, LCST
Methyl acetate	LLE	cloud points, UCST, precipitation threshold
Methyl acetate	VLE	
Acetic acid	GLE	
Hexane	LLE	cloud points, UCST
Hexane	GLE	
Hexane	VLE	
Heptane	LLE	cloud points, LCST
Heptane	GLE	
2-Methylbutane	GLE	
2-Propanol	LLE	solubility of solvent in polymer
2-Propanol	GLE	
2-Propanol	VLE	
Diisopropyl ether	GLE	
2,2,4-Trimethylpentane	GLE	
Methanol	LLE	solubility of solvent in polymer
Methanol	GLE	
Methanol	VLE	
2-Methylpentane	LLE	cloud points, UCST
3-Methylpentane	LLE	cloud points, UCST
Butylbenzene	PVT	
Butylbenzene	GLE	
4-Methyl-2-pentanone	LLE	cloud points, UCST
2-Methyl-1-propanol	GLE	
Octane	LLE	cloud points, UCST
Octane	LLE	cloud points, LCST
Octane	GLE	
1-Octene	LLE	cloud points, UCST, precipitation threshold
Pentane	LLE	cloud points, UCST
Pentane	GLE	

1-Pentanol	LLE	cloud points, UCST
1-Pentanol	LLE	solubility of solvent in polymer
1-Pentanol	GLE	
1-Propanol	LLE	solubility of solvent in polymer
1-Propanol	GLE	
Pyridine	GLE	
Styrene	LLE	coexistence data
Styrene	GLE	
Styrene + ethylene/vinyl acetate copolymer	LLE	cloud points
Tetradecane	GLE	
trans-Decahydronaphthalene	LLE	cloud points, UCST
trans-Decahydronaphthalene	GLE	
Tetrachloromethane	GLE	
Tetrachloromethane	VLE	
Tetrachloromethane	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
Tetrachloromethane + Polyisobutylene	LLE	coexistence data
Tetrachloromethane + Polybutadiene	LLE	cloud points
Tetrachloromethane + Polybutadiene	LLE	coexistence data
Tetrahydrofuran	GLE	
Tetrahydrofuran + Carbon dioxide	LLE	cloud points
Tetrahydrofuran + Carbon dioxide	VLE/LLE	bubble + cloud points
Tetrahydrofuran + Poly(methyl methacrylate)	LLE	cloud points, LCST
Tetrahydrofuran + Poly(methyl methacrylate)	LLE	coexistence data
Tetrahydrofuran + Poly(vinyl chloride)	LLE	coexistence data
Tetrahydrofuran + Polybutadiene	LLE	coexistence data
Tetrahydrofuran + Polybutadiene	LLE	plait point composition
Tetrahydrofuran + Poly(butyl methacrylate)	LLE	coexistence data
Tetrahydrofuran + cellulose acetate	LLE	coexistence data
Tetrahydrofuran + Polytetrahydrofuran	LLE	coexistence data
Toluene	PVT	
Toluene	GLE	
Toluene	VLE	
Toluene	deltaHmix	heat of mixing (general)
Toluene	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]

Toluene + Carbon dioxide	PVT	volume expansion coeff.
Toluene + Carbon dioxide	LLE	cloud points
Toluene + Carbon dioxide	VLE/LLE	bubble + cloud points
Toluene + Ethane	LLE	coexistence data
Toluene + Poly(methyl methacrylate)	LLE	cloud points, LCST
Toluene + Polyisobutylene	LLE	spinodal points
Toluene + Polybutadiene	LLE	cloud points
Toluene + Polybutadiene	LLE	coexistence data
Toluene + Polybutadiene	LLE	plait point composition
Toluene + Poly(vinyl methyl ether)	GLE	gas solubility
Toluene + Polyisoprene	LLE	coexistence data
Trichloroethylene	GLE	
Vinyl acetate	LLE	cloud points, UCST, precipitation threshold
Water	GLE	
m-Xylene	PVT	
m-Xylene	GLE	
m-Xylene	VLE	
m-Xylene + Poly(methyl methacrylate)	LLE	cloud points, LCST
p-Xylene	GLE	
p-Xylene	VLE	
p-Xylene + Poly(methyl methacrylate)	LLE	cloud points, LCST
p-Xylene + Poly(vinyl methyl ether)	GLE	gas solubility
Nitroethane	LLE	cloud points
Nitroethane	LLE	cloud points, UCST
Nitroethane	LLE	spinodal points
N,N-Dimethylacetamide + styrene/acrylonitrile copolymer	LLE	cloud points
N,N-Dimethylacetamide + polyacrylonitrile	LLE	cloud points
Propane	LLE	cloud points
Propane	GLE	
Propane	SOL	
Acetic acid propyl ester	VLE	
Chlorodifluoromethane [R22]	GLE	gas solubility
Dichlorodifluoromethane [R12]	GLE	gas solubility
Cyclohexanone	GLE	
Cyclohexanone	VLE	
Cyclohexanone + Poly(butyl methacrylate)	LLE	cloud points, LCST
Cyclohexanol	LLE	cloud points, UCST
Cyclohexanol	GLE	
Methacrylic acid methyl	GLE	

ester			
3-Methyl-1-butanol	LLE		cloud points, UCST, precipitation threshold
Hexanoic acid	LLE		cloud points, UCST, precipitation threshold
1-Chlorooctane	LLE		cloud points, UCST
3-Pentanone	VLE		
1-Hexanol	LLE		cloud points, UCST
1-Hexanol	LLE		cloud points, UCST, precipitation threshold
1-Hexanol	LLE		solubility of solvent in polymer
1-Hexanol	GLE		
cis-Decahydronaphthalene	GLE		
2-Methylpropane	GLE		
2-Methylpropane	GLE		gas solubility
o-Xylene	GLE		
o-Xylene	VLE		
o-Xylene + Poly(methyl methacrylate)	LLE		cloud points, LCST
Propionitrile	LLE		cloud points
Propionitrile	LLE		spinodal points
Propionitrile + Poly(styrene-d8)	LLE		cloud points
Propionitrile + Poly(styrene-d8)	LLE		spinodal points
Furan	GLE		
Di-n-propyl ether	VLE		
1-Octanol	LLE		cloud points, UCST
1-Octanol	LLE		solubility of solvent in polymer
1-Octanol	GLE		
1-Decanol	LLE		cloud points, UCST
1-Decanol	LLE		solubility of solvent in polymer
2,3-Dimethylbutane	LLE		cloud points, UCST
Propylbenzene	PVT		
2,2-Dimethylbutane	LLE		cloud points, UCST
2,2-Dimethylbutane	GLE		
Acetophenone	GLE		
Nonane	GLE		
Nonane	VLE		
Ethylcyclohexane	LLE		UCST
Acetic acid pentyl ester	LLE		cloud points, UCST
Acetic acid pentyl ester	LLE		cloud points, LCST
Diethylene glycol monomethyl ether	GLE		
1,3,5-Trimethylbenzene	PVT		
1,3,5-Trimethylbenzene	GLE		
Hexadecane	LLE		cloud points, UCST
Hexadecane	GLE		

1,2,4-Trimethylbenzene	VLE	
1-Dodecanol	LLE	cloud points, UCST
1-Dodecanol	LLE	solubility of solvent in polymer
1,2-Dichlorotetrafluoroethane [R114]	GLE	gas solubility
Dimethyl ether	LLE	cloud points
Dimethyl ether	GLE	
Bis(2-ethylhexyl) phthalate	LLE	cloud points, UCST
Bis(2-ethylhexyl) phthalate + Polybutadiene	LLE	cloud points (precipitation threshold)
Dimethyl oxalate	LLE	cloud points, UCST, precipitation threshold
2-Pentanol	LLE	solubility of solvent in polymer
3-Pentanol	LLE	solubility of solvent in polymer
3-Hexanol	LLE	cloud points, UCST, precipitation threshold
Formamide	GLE	
1-Hexadecanol	LLE	cloud points, UCST
1-Hexadecanol	LLE	solubility of solvent in polymer
1-Octadecanol	LLE	cloud points, UCST
1-Octadecanol	LLE	cloud points, UCST, precipitation threshold
n-Undecane	GLE	
2,3,4-Trimethyl pentane	LLE	cloud points, UCST
Pentadecane	LLE	cloud points, UCST
Octylbenzene	LLE	cloud points, UCST
Decalin <Isomer not specified>	PVT	
Decalin <Isomer not specified>	LLE	cloud points, UCST
o-Dichlorobenzene	GLE	
o-Dichlorobenzene + Polybutadiene	LLE	spinodal points
o-Dichlorobenzene + Polybutadiene	LLE	binodal points
o-Dichlorobenzene + Poly(butadiene), deuterated	LLE	spinodal points
o-Dichlorobenzene + Poly(butadiene), deuterated	LLE	binodal and spinodal points
1-Tetradecanol	LLE	cloud points, UCST
1-Tetradecanol	LLE	solubility of solvent in polymer
Diethyl oxalate	LLE	cloud points, UCST
Diethyl oxalate	LLE	cloud points, UCST
Diethyl oxalate	LLE	cloud points, UCST, precipitation threshold
Hexyl acetate	LLE	cloud points, LCST

1,1-Difluoroethane [R152a]	GLE	gas solubility
Pentylbenzene	GLE	
Carbon dioxide	GLE	gas solubility
Carbon dioxide	GLE/SWELLI NG	
Carbon dioxide + Poly(2,6-dimethyl-1,4-phenylene ether)	GLE	gas solubility
Methane	GLE	gas solubility
Ethylene	GLE	gas solubility
Nitrogen	GLE	
Nitrogen	GLE	gas solubility
Nitrogen	GLE/SWELLI NG	
Hydrogen	GLE	gas solubility
1-Chlorododecane	LLE	cloud points, UCST
1-Chlorohexadecane	LLE	cloud points, UCST
tert-Butyl acetate	LLE	cloud points, UCST
tert-Butyl acetate	LLE	cloud points, LCST
tert-Butyl acetate	LLE	UCST
tert-Butyl acetate	LLE	LCST
tert-Butyl acetate	GLE	
tert-Butyl acetate	VLE	
Octadecane	LLE	cloud points, LCST
Perdeuterobenzene + Poly(methyl methacrylate)	LLE	cloud points and spinodal points
Perdeuterocyclohexane	LLE	cloud points, UCST
Perdeuterocyclohexane	LLE	UCST
Diethyl malonate	LLE	cloud points, UCST
Diethyl malonate	LLE	tie lines (UCST)
Diethyl malonate	LLE	cloud points, UCST, precipitation threshold
Trichlorofluoromethane [R11]	GLE	gas solubility
Perdeutero-2-propanone	LLE	cloud points
Perdeutero-2-propanone	LLE	cloud points, UCST
Perdeutero-2-propanone	LLE	spinodal points
Perdeutero-2-propanone	LLE	spinodal points (UCST)
alpha-Aminotoluene + Bisphenol A diglycidyl ether	LLE	cloud points, UCST
Sulfur dioxide	LLE	coexistence data
Sulfur dioxide	VLE	
Sulfur dioxide	VLE	bubble points
1-Bromooctane	LLE	cloud points, UCST
1-Chloro-1,1-difluoroethane [R142b]	GLE	gas solubility
1-Chlorooctadecane	LLE	cloud points, UCST
Dimethyl succinate	LLE	cloud points, UCST, precipitation threshold
Diisodecylphthalate	LLE	cloud points, UCST
1-Phenyldecane	LLE	cloud points, UCST

	1-Phenyldodecane	LLE	cloud points, UCST
	Dimethylmalonate	LLE	cloud points, UCST, precipitation threshold
	n-Butylcyclohexane	GLE	
	1-Nonylchloride	LLE	cloud points, UCST
	1-Bromodecane	LLE	cloud points, UCST
	1-Chlorodecane	LLE	cloud points, UCST
	1,1,1,2-Tetrafluoroethane [R134a]	GLE	gas solubility
	n-Butyl octadecanoate	LLE	cloud points, UCST, precipitation threshold
	1-Chlorotetradecane	LLE	cloud points, UCST
	1-Chloroundecane	LLE	cloud points, UCST
	p-tert-Butyl ethylbenzene	LLE	cloud points, UCST
	3,4,5-Trimethylheptane	GLE	
	2-Bromooctane	LLE	cloud points, UCST
	Nitroethane-D5	LLE	cloud points
	Nitroethane-D5	LLE	spinodal points
	Bisphenol A diglycidyl ether	LLE	cloud points, UCST
	Bisphenol A diglycidyl ether + 4,4-Methylene-bis-(2,6- diethyl)-aniline (M-DEA)	LLE	cloud points
435	Polystyrene, branched	Benzene	GLE
		Decane	GLE
436	Polystyrene-b-poly(dimethylsiloxane) diblock copolymer	Cyclohexane + Polystyrene	LLE
437	Polystyrene-b-poly(ethylene oxide)-b-polystyrene triblock copolymer	Ethanol	GLE
		Ethyl acetate	GLE
		1-Butanol	GLE
		Decane	GLE
		Acetic acid butyl ester	GLE
		Methyl acetate	GLE
		Hexane	GLE
		Heptane	GLE
		Methanol	GLE
		Octane	GLE
		1-Pentanol	GLE
		1-Propanol	GLE
		Acetic acid propyl ester	GLE
		Nonane	GLE
		Acetic acid pentyl ester	GLE
438	Polystyrene-b-poly(ethylene oxide)- diblockcopolymer	Toluene	VLE
439	Polystyrene-b-poly(methyl methacrylate) diblock copolymer	Ethylbenzene	VLE
		Benzene	VLE
		Toluene	VLE
		p-Xylene	VLE
		Cyclohexanol	LLE
		1,3,5-Trimethylbenzene	VLE
			cloud points, UCST

	Carbon dioxide	GLE	gas solubility
	Carbon dioxide	GLE/SWELLI NG	
440	Polystyrene-b-polybutadiene(hydrogenated)-b-polystyrene triblock copolymer	Cyclohexane	VLE
441	Polystyrene-b-polybutadiene-b-polystyrene triblock copolymer	Ethylbenzene	GLE
	Benzene	GLE	
	2-Butanone	GLE	
	Chloroform	GLE	
	Cyclohexane	GLE	
	Cyclohexane	VLE	
	Hexane	GLE	
	Heptane	GLE	
	Toluene	GLE	
	p-Xylene	GLE	
	Carbon dioxide	GLE	gas solubility
442	Polystyrene-b-polyisoprene-b-polystyrene triblock copolymer	Cyclohexane	VLE
443	Polysulfone	Acetaldehyde	GLE
	Acetonitrile	GLE	
	Acetone	GLE	
	Acetone + N,N-Dimethylformamide (DMF)	LLE	cloud points
	Acetone + N,N-Dimethylformamide (DMF)	LLE	coexistence data
	Acetone + N,N-Dimethylformamide (DMF)	GLE	gas solubility
	Ethanol	GLE	
	Ethanol + N,N-Dimethylformamide (DMF)	LLE	cloud points
	Ethanol + N,N-Dimethylacetamide	LLE	cloud points
	Diethyl ether	GLE	
	2-Propen-1-ol	GLE	
	Formic acid ethyl ester	GLE	
	Ethyl acetate	GLE	
	Benzene	GLE	
	1-Butanol	GLE	
	1-Butanol + N,N-Dimethylacetamide	LLE	cloud points
	2-Butanone	GLE	
	Butyl chloride	GLE	
	Chloroform	GLE	
	Cyclohexane	GLE	
	Methylcyclohexane	GLE	
	1,2-Dichloroethane	GLE	
	Dichloromethane	GLE	
	N,N-Dimethylformamide (DMF)	VLE	
	N,N-Dimethylformamide	LLE	cloud points

	(DMF) + 2-Propanol		
	N,N-Dimethylformamide	LLE	cloud points
	(DMF) + Water		
	N,N-Dimethylformamide	LLE	coexistence data
	(DMF) + Water		
	N,N-Dimethylformamide	GLE	gas solubility
	(DMF) + Water		
	1,4-Dioxane	GLE	
	Methyl acetate	GLE	
	Acetic acid	GLE	
	Hexane	GLE	
	Heptane	GLE	
	Methanol	GLE	
	Octane	GLE	
	Pentane	GLE	
	1-Pentanol + N,N-Dimethylacetamide	LLE	cloud points
	1-Propanol	GLE	
	Propionic acid	GLE	
	Dimethyl sulfoxide	GLE	
	Tetrachloromethane	GLE	
	Tetrahydrofuran	GLE	
	Tetrahydrofuran + Carbon dioxide	PVT	
	Tetrahydrofuran + Carbon dioxide	LLE	cloud points
	Toluene	GLE	
	Water	GLE	
	Water + N,N-Dimethylacetamide	LLE	cloud points
	Water + N-Methyl-2-pyrrolidone + Poly(1-vinyl-2-pyrrolidinone)	LLE	cloud points
	Fluorobenzene	GLE	
	Acrylonitrile	GLE	
	N-Methyl-2-pyrrolidone	GLE	
	3-Pentanone	GLE	
	Propionitrile	GLE	
	Furan	GLE	
	gamma-Butyrolactone	GLE	
	Carbon dioxide	GLE	gas solubility
	2,2,2-Trifluoroethanol	GLE	
444	Polytetrafluoroethylene	PVT	
445	Polytetrahydrofuran	LLE	coexistence data
	Tetrahydrofuran + Polystyrene		
446	Polyvinylcarbazol	VLE	
447	Poly{1,1-bis[4-[(trifluorovinyl)oxy]phenyl]hexafluoroisopropylidene}	LLE	cloud points
	Propane		
	Dimethyl ether	LLE	cloud points
	Carbon dioxide	LLE	cloud points

448	pullulan	Acetone + Water	LLE	cloud points
		Acetone + Water	LLE	coexistence data
		2-Propanol + Water	LLE	cloud points
		Tetrahydrofuran + Water	LLE	cloud points
449	siloxane block copolymer	Benzene	GLE	
		Cyclohexane	GLE	
		Decane	GLE	
		Dodecane	GLE	
		Hexane	GLE	
		Tetrachloromethane	GLE	
		Toluene	GLE	
		Water	PVT	
450	sodium alginate	Water	PVT	
451	sodium dextran sulfate	Water + Poly(ethylene glycol)	LLE	coexistence data
		Water + Poly(vinyl alcohol)	LLE	coexistence data
		Water + methylcellulose	LLE	coexistence data
		Water + penta(ethylene glycol) monododecyl ether	LLE	coexistence data
		Water	PVT	
452	starch	Water	VLE	
		Water + Carbon dioxide	GLE	
		Water + Carbon dioxide	GLE	gas solubility
		Water	PVT	
453	styrene-butadiene-styrene-triblock copolymer		PVT	
454	styrene/2-(3-methyl-3-phenylcyclobutyl)-2-hydroxyethylmethacrylate copolymer	Acetone	GLE	
		Ethanol	GLE	
		Ethyl acetate	GLE	
		Benzene	GLE	
		2-Butanone	GLE	
		Decane	GLE	
		Dodecane	GLE	
		Methyl acetate	GLE	
		Methanol	GLE	
		Octane	GLE	
		Toluene	GLE	
		o-Xylene	GLE	
		Nonane	GLE	
		n-Undecane	GLE	
455	styrene/N,N-dimethyl aminoethyl methacrylate copolymer	Benzene	GLE	
		Decane	GLE	
456	styrene/acrylic acid copolymer	Benzene	GLE	
		Decane	GLE	
457	styrene/acrylonitrile copolymer		PVT	
		Ethyl acetate	GLE	
		Ethylbenzene + Styrene + Acrylonitrile	GLE	gas solubility
		Benzene	GLE	
		Benzene	VLE	
		Chloroform	GLE	

	1,2-Dichloroethane	VLE		
	Styrene + Acrylonitrile	GLE	gas solubility	
	Toluene	LLE	cloud points, UCST	
	Toluene	LLE	tie lines (UCST)	
	Toluene	GLE		
	Toluene	VLE		
	m-Xylene	VLE		
	p-Xylene	VLE		
	N,N-Dimethylacetamide + Polystyrene	LLE	cloud points	
	N,N-Dimethylacetamide + Polyacrylonitrile	LLE	cloud points	
	o-Xylene	VLE		
	Propylbenzene	VLE		
458	styrene/alpha-methylstyrene copolymer	Cyclohexane	LLE	cloud points, UCST
		Cyclohexane	LLE	cloud points, LCST
		Cyclopentane	LLE	cloud points, UCST
		Cyclopentane	LLE	cloud points, LCST
		Acetic acid butyl ester	LLE	cloud points, UCST
		Acetic acid butyl ester	LLE	cloud points, LCST
		trans-Decahydronaphthalene	LLE	cloud points, UCST
		Acetic acid pentyl ester	LLE	cloud points, UCST
		Acetic acid pentyl ester	LLE	cloud points, LCST
		Hexyl acetate	LLE	cloud points, UCST
		Hexyl acetate	LLE	cloud points, LCST
459	styrene/butadiene copolymer	PVT		
	Acetone	VLE		
	Ethylbenzene	GLE		
	Ethylbenzene	VLE		
	Benzene	GLE		
	Benzene	GLE	gas solubility	
	Benzene	VLE		
	Benzene	deltaHmix	heat of mixing (general)	
	n-Butane	GLE		
	Chloroform	GLE		
	Chloroform	VLE		
	Cyclohexane	GLE		
	Cyclohexane	VLE		
	Decane	GLE		
	Hexane	GLE		
	Hexane	VLE		
	Heptane	GLE		
	Octane	GLE		
	Pentane	VLE		
	Styrene	GLE		
	Toluene	GLE		
	Toluene	GLE	gas solubility	
	Toluene	VLE		
	Toluene + Ethylene	GLE	gas solubility	

	p-Xylene	GLE	
	p-Xylene	VLE	
	2-Methylpropane	GLE	
	1,3-Butadiene	GLE	
	2,2-Dimethylbutane	GLE	
	Nonane	GLE	
	Nonane	VLE	
	1,3,5-Trimethylbenzene	GLE	
	1,3,5-Trimethylbenzene	VLE	
460	styrene/docosyl maleate copolymer	Acetone	VLE
		Cyclohexane	VLE
		Methanol	VLE
461	styrene/dodecyl maleate copolymer	Acetone	VLE
		Cyclohexane	VLE
		Methanol	VLE
462	styrene/iso-butyl methacrylate copolymer	Benzene	GLE
		Butyl chloride	GLE
		Chloroform	GLE
		Cyclohexane	GLE
		Decane	GLE
		Dichloromethane	GLE
		2,2,4-Trimethylpentane	GLE
		Octane	GLE
		Tetrachloromethane	GLE
		tert-Butylbenzene	GLE
		3,4,5-Trimethylheptane	GLE
463	styrene/maleic anhydride copolymer	Acetone	VLE
		Methanol	VLE
464	styrene/maleic anhydride/methacrylic acid terpolymer	1-Butanol	GLE
		Dibutyl ether	GLE
		Decane	GLE
		1,4-Dioxane	GLE
		Heptane	GLE
		Octane	GLE
		Nonane	GLE
465	styrene/methyl methacrylate copolymer	Acetone	VLE
		Ethylbenzene	VLE
		Benzene	GLE
		Benzene	VLE
		Chloroform	VLE
		Methyl acetate	VLE
		Toluene	VLE
		p-Xylene	VLE
		1,3,5-Trimethylbenzene	VLE
466	styrene/n-butyl methacrylate copolymer	Acetone	VLE
		Benzene	GLE
		2-Butanone	deltaHmix
			intermediary enthalpy of dilution [J/mol solvent]

gas solubility

	Butyl chloride	GLE	
	Chloroform	GLE	
	Chloroform	VLE	
	Cyclohexane	GLE	
	Decane	GLE	
	Dichloromethane	GLE	
	2,2,4-Trimethylpentane	GLE	
	Octane	GLE	
	Tetrachloromethane	GLE	
	tert-Butylbenzene	GLE	
	3,4,5-Trimethylheptane	GLE	
467	styrene/nonyl methacrylate copolymer	1-Butanol	GLE
		Dibutyl ether	GLE
		1,4-Dioxane	GLE
		Heptane	GLE
		Octane	GLE
468	styrene/p-methylstyrene copolymer	Ethylbenzene + Styrene + p-Methyl-styrene	GLE gas solubility
		Styrene + p-Methyl-styrene	GLE gas solubility
469	styrene/pentyl maleate copolymer	Acetone	VLE
		Cyclohexane	VLE
		Methanol	VLE
470	tetra(ethylene glycol)	Methoxybenzene	deltaHmix heat of mixing (general)
		1-Butanol	deltaHmix heat of mixing (general)
		Heptane	LLE tie lines (UCST)
		1-Pentanol	deltaHmix heat of mixing (general)
		1-Propanol	deltaHmix heat of mixing (general)
		Dimethyl sulfoxide	deltaHmix heat of mixing (general)
		Water	PVT
		Water	deltaHmix heat of mixing (general)
		Propylene carbonate	deltaHmix heat of mixing (general)
		2-Pyrrolidone	PVT
		3-Phenyl-1-propanol	deltaHmix heat of mixing (general)
		2-Phenylethanol	deltaHmix heat of mixing (general)
471	tetra(ethylene glycol) diethyl ether	Water	deltaHmix heat of mixing (general)
472	tetra(ethylene glycol) dimethyl ether		PVT
		Ethyl acetate	PVT
		Cyclohexane	PVT
		Decane	LLE binodal data (UCST)
		Dodecane	PVT
		Dodecane	LLE tie lines (UCST)
		Dodecane	deltaHmix heat of mixing (general)
		Heptane	PVT
		Methanol	PVT
		Methanol	deltaHmix heat of mixing (general)
		1-Propanol	PVT
		Water	PVT
		Water	deltaHmix heat of mixing (general)
		1-Hexanol	PVT

	Nonane	PVT		
	Nonane	LLE	coexistence data	
	Hexadecane	LLE	tie lines (UCST)	
	1,1,1,2-Tetrafluoroethane [R134a]	PVT		
473	tetra(ethylene glycol) monodecyl ether	Water	LLE	tie lines (UCST)
		Water	LLE	tie lines (LCST)
474	tetra(ethylene glycol) monododecyl ether	1-Pentanol + Carbon dioxide	LLE	cloud points
		Carbon dioxide	LLE	cloud points
475	tetra(ethylene glycol) mono-octyl ether	Water	PVT	
476	tetracosane	Benzene	VLE	
477	tetrafluoroethylene/2,2-bis(trifluoromethyl)-4,5-difluoro-1,3-dioxole copolymer	Benzene	GLE	
		Hexane	GLE	
		Heptane	GLE	
		Pentane	GLE	
478	tetrafluoroethylene/hexafluoropropylene copolymer	Benzene	GLE	
		Hexane	GLE	
		2,2,4-Trimethylpentane	GLE	
		Toluene	GLE	
		1,1,2-Trichloro-1,2,2-trifluoroethane [R113]	GLE	
		Perfluoropropylene	GLE	
		Perfluorocyclobutane [RC318]	GLE	
		1,1-Difluoroethane [R152a]	GLE	
		Fluoroform [R23]	GLE	
		Hexafluoroethane [R116]	GLE	
		Tetrafluoroethylene	GLE	
		Perfluoro-1,2-dimethylcyclobutane	GLE	
		1,1,1,2,3,4,4,5,5,5-Decafluoropentane[R43-10mee]	GLE	
479	trans-poly(octenylene)	Benzene	GLE	
		Hexane	GLE	
		Heptane	GLE	
		Octane	GLE	
		Toluene	GLE	
		Nonane	GLE	
480	tri(ethylene glycol) dimethyl ether		PVT	
		1-Hexanol	PVT	
481	tri(ethylene glycol) monohexyl ether	Water	PVT	
482	vinyl acetate/vinyl alcohol copolymer	2-Butanol	GLE	
		Ethylbenzene	GLE	
		Benzene	GLE	
		1-Butanol	GLE	
		Decane	GLE	
		Dodecane	GLE	
		Methyl acetate	VLE	

	2-Propanol	GLE	
	Methanol	VLE	
	1-Pentanol	GLE	
	1-Propanol	GLE	
	tert-Butanol	GLE	
	Tetradecane	GLE	
	Toluene	GLE	
	Water	VLE	
	Water	deltaHmix	intermediary enthalpy of dilution [J/mol solvent]
	Water + Poly(ethylene glycol)	LLE	coexistence data
	Water + ethylene oxide/propylene oxide copolymer	LLE	coexistence data
	Cyclohexanol	GLE	
	1-Hexanol	GLE	
	1-Heptanol	GLE	
	1-Octanol	GLE	
	1-Decanol	GLE	
	Nonane	GLE	
	Hexadecane	GLE	
	2-Pentanol	GLE	
	n-Undecane	GLE	
483	vinyl acetate/vinyl chloride copolymer		
	Acetaldehyde	GLE	
	Acetonitrile	GLE	
	Acetone	GLE	
	Ethanol	VLE	
	Ethyl acetate	VLE	
	Ethylbenzene	GLE	
	Ethylbenzene	VLE	
	Chlorobenzene	GLE	
	Chlorobenzene	VLE	
	Benzene	GLE	
	Benzene	VLE	
	1-Butanol	VLE	
	2-Butanone	GLE	
	2-Butanone	VLE	
	Chloroform	GLE	
	Cyclohexane	GLE	
	Decane	GLE	
	1,2-Dichloroethane	GLE	
	1,4-Dioxane	GLE	
	Acetic acid	GLE	
	Hexane	VLE	
	Heptane	GLE	
	2-Propanol	GLE	
	Methanol	GLE	
	Octane	VLE	
	Styrene	GLE	

		Tetrachloromethane	GLE	
		Tetrahydrofuran	GLE	
		Toluene	GLE	
		Toluene	VLE	
		Vinyl acetate	GLE	
		Vinyl acetate	VLE	
		p-Xylene	GLE	
		p-Xylene	VLE	
		Nitroethane	GLE	
		Fluorobenzene	GLE	
		Vinyl chloride	GLE	
		Acrylonitrile	GLE	
		Acetic acid propyl ester	GLE	
		Nonane	GLE	
484	vinyl alcohol/sodium acrylate copolymer	Ethanol + Water	VLE	
		2-Propanol + Water	VLE	
		1-Propanol	VLE	
		1-Propanol + Water	GLE	gas solubility
		Water	VLE	
485	vinyl chloride/vinyl acetate/glycidyl methacrylate terpolymer	Acetone	GLE	
		Vinyl acetate	GLE	
		Vinyl chloride	GLE	
		Acetic acid propyl ester	GLE	
486	vinyl chloride/vinyl acetate/hydroxypropyl acrylate terpolymer	Acetone	GLE	
		Vinyl chloride	GLE	
		Acetic acid propyl ester	GLE	
487	vinylidene chloride/acrylonitrile copolymer	1,1-Dichloroethylene	GLE	
488	vinylidene chloride/vinyl chloride copolymer	Benzene	GLE	
		Chloroform	GLE	
		Cyclohexane	GLE	
		Decane	GLE	
		Heptane	GLE	
		Octane	GLE	
		Tetrachloromethane	GLE	
		Tetrahydrofuran	GLE	
		Toluene	GLE	
		Nonane	GLE	
		1,1-Dichloroethylene	GLE	
489	vinylidene fluoride/chlorotrifluoroethylene copolymer	Carbon dioxide + Poly(vinylidene fluoride)	GLE	gas solubility
		Methane + Poly(vinylidene fluoride)	GLE	gas solubility
490	vinylidene fluoride/hexafluoropropylene copolymer		PVT	
		Carbon dioxide	LLE	cloud points
491	xanthan	Water + Poly(ethylene glycol)	LLE	coexistence data