

OrganomationTM

Common Solvent Properties

SOLVENT	COMMON ABBREVIATION	CAS	MW	DENSITY g/ml, 25° C	BP ° C	VP mm/Hg, 20°C	VD air = 1	SAFETY INFORMATION H PHASES - P PHASES
<p>Review MSDS sheets for additional hazards and other information.</p>								<p>Hover over each code to see the warning. The link takes you to a page explaining hazard statements</p>
Acetone	Acetone	67-64-11	58.08	0.791	56.0	184.0	2.0	DANGER H225-H316-H319-H336 P210-P261-P305 + P351 + P338
Acetonitrile	CAN	75-05-8	41.05	0.786	81.0	72.8	1.4	DANGER H225-H302 + H312-H316 + H318 + H332 P210-P280-P305 + P351 + P338
Benzene	BZ	71-43-2	78.11	0.874	80.0	74.6	2.8	DANGER H225-H303-H304-H315-H319--H340-H350-H401 P201-P210-P301 + P310-P305 + P351 + P338-P308 + P313-P331
Butyl Acetate	BA	123-86-4	116.20	0.880	125.0	8.0	4.0	DANGER H226-H315-H319-H331--H336-H402 P261

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Carbon Disulfide	CS	75-15-0	76.14	1.266	46.0	352.6	2.7	DANGER H225-H302-H315-H319-H372-H402 P210-P281-P305 + P351 + P338-P314
Carbon Tetrachloride	Carbon Tet	56-23-5	153.82	1.594	76.5	91.0	5.3	DANGER H301 + H311--H316-H320-H331-H351-H372-H402-H413-H420 P261-P273-P280-P301 + P310-P501
Chloroform	Chloroform	67-66-3	119.38	1.492	61.0	160.0	4.1	WARNING H302-H315-H319-H351-H373-H402 P281
Diethyl Ether	Ether	60-29-7	74.12	0.706	34.6	580.0	2.6	DANGER P210-P261 DANGER H226-H303-H312-H316-H319-H331-H360 P201-P280-P305 + P351 + P338-P308 + P313
Dimethylformamide	DMF	68-12-2	73.09	0.944	153.0	2.7	2.5	P313

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Dimethylsulfoxide	DMSO	67-68-5	78.13	1.100	189.0	0.4	2.7	DANGER H227
Ethanol	Grain Alcohol	64-17-5	46.07	0.789	78.0	44.6	1.6	DANGER H225-H315 + H320-H335 P210
Ethyl Acetate	EA	141-78-6	88.10	0.902	77.0	73.0	3.0	DANGER H225-H319- H333-H336 P210-P261- P305 + P351 + P338
Ethylbenzene	EB	100-41-4	106.20	0.867	136.0	10.0	3.7	DANGER H225-H303- H318-H332-H401 P210

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n - Heptane	Pet Ether	142-82-5	100.20	0.684	98.0	40.0	3.5	DANGER P210-P261-P273-P301 + P310-P331-P501
n - Hexane	Pet Ether	110-54-3	86.18	0.659	69.0	132.0	3.0	
Methanol	Methyl Alcohol	67-56-1	32.04	0.791	65.0	97.7	1.1	DANGER H225-H301 + H311-H315-H319-H331-H370 P210-P260-P307 + P311
1 -Propanol	Propyl Alcohol	71-23-8	60.10	0.804	97.0	14.9	2.1	DANGER H225 - H316 - H318- H333-H336 P210 - P261-P280 - P305 + P351 + P338
2 - Propanol	Isopropyl Alcohol	67-63-0	60.10	0.785	82.0	33.0	2.1	DANGER H225 - H316 - H318-H336 P210 - P261-P280 - P305 + P351 + P338

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Tetrahydrofuran (BHT Inhib)	THF	109-99-9	72.11	0.889	66.0	143.0	2.5	DANGER P210 - P261 - P305 + P351 + P338 H225 - H302 - H313 - H316 - H318 - H335 + H336
Toluene	Toluene	108-88-3	92.14	0.865	110.0	22.0	3.2	DANGER H225 - H304 - H315 - H319 - H332 - H336 - H361 - H371 - H401 P210 - P261 - P281 - P301 + P310 - P331
Trichloroethylene (DIPA inhib)	TCE	79-01-6	131.39	1.463	86.7	61.0	4.5	DANGER H303 - H315 - H319 - H341 - H350 - H371 - H402 - H413 P201 - P261 - P273 - P281 - P305 + P351 + P338 - P308 + P313
1,1,1 - Trichloroethane	Methyl Chloroform	71-75-6	133.40	1.435	86.7	124.0	4.6	WARNING H315 - H319 - H332 - H420 P305 + P351 + P338

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1,1,2 - Trichloroethane	Trichlor	79-00-5	133.40	1.435	112.5	124.0	4.6	WARNING H302- H312 - H315-H319 - H332 - H351- H402 P280
Water	Water	7732-18- 5	18.02	1.000	100.0	17.5	0.6	NA

References:

1. Lange's Handbook of Chemistry, 16th edition, McGraw - Hill Publishing
2. Aldrich Handbook of Fine Chemicals, 2012 - 2014

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