

Table 2

Solvent	CAS nr	MW (Da)	Density (25°C) (g/mL)	Boiling point (°C)	Solubility* in water g/dm ³	Flash point (°C)	Hazard statements	PEL ^c ppm	REL ^e ppm	FDA ^d class	Bulk price \$/kg
Anisole	100-66-3	108.4	0.995	154	1.51	51	H226-H315-H319	NE		3	
Phenetole	103-73-1	122.2	0.966	169	0.57	57	H226	NE		–	
Cyclohexanone	108-94-1	98.1	0.947	155	97	44	H226-H302+H312+H332-H315-H318	50 (TWA-8h)	25	–	1.9 a
Chloroform	67-66-3	119.4	1.492	60.5	7.5	-	H302-H315-H319-H331-H336-H351-H361d-H372	50 (ceiling limit)	2 (60 min)	2	1.014 b
Ethanol	64-17-5	46.1	0.789	78	Miscible	14	H225	1000		3	1.03 b

If not differently stated, properties derive from Sigma Aldrich chemical database.

*(Mackay, Shiu et al. 2006)

^ahttp://www.orbichem.com/userfiles/CNF%20Samples/cyo_13_11.pdf

^b<http://www.icis.com/chemicals/channel-info-chemicals-a-z/>

^cPEL is the permissible exposure limit established by the United States Occupational Safety and Health Administration (OSHA, standard number: 1910.1000 TABLE Z-1).

^dThe FDA rates chemicals for use in manufacturing of biomedical products, where 1 is most toxic and 3 is least toxic, Q3C February 12 (<http://www.fda.gov/RegulatoryInformation/Guidances/ucm128290.htm>).

^eNational Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards (<http://www.cdc.gov/niosh/npg>) (NIOSH 2007)

NE: Not established