

Guide values (I and II, in milligrams per cubic meter of air) for the concentration of specific substances in indoor air

Compound	Guide value II (mg/m ³)	Guide value I (mg/m ³)	Year established
2-Butanone oxime (CAS-Nr. 96-29-7)	0.06	0.02	2015
2-Chloropropane (CAS-Nr. 75-29-6)	8	0.8	2015
Ethyl acetate (CAS-Nr. 141-78-6)	6	0.6	2014
1-Methyl-2-pyrrolidone (CAS-Nr. 872-50-4)	1	0.1	2014
1-Butanol (CAS-Nr. 71-36-3)	2	0.7	2014
2-Ethylhexanol (CAS-Nr. 104-76-7)	1(v)	0.1(v)	2013
Ethyleneglycolmonomethylether (EGME, CAS-Nr. 109-86-4)	0.2 [= 0.05 nmol]	0.02	2013
Diethyleneglycolmethylether (DEGME, CAS-Nr. 111-77-3)	6 (v) [= 1 ppm]	2 (v)	2013
Diethyleneglycoldimethylether (DEGDME, CAS-Nr. 111-96-6)	0.3 [= 0.06 nmol]	0.03	2013
Ethyleneglycolmonoethylether (EGEE, CAS-Nr. 110-80-5)	1 [= 0.4 ppm]	0.1	2013
Ethyleneglycolmonoethyletheracetate (EGEEA, CAS-Nr. 111-15-9)	2 (v) [= 0.4 ppm]	0.2 (v)	2013
Diethyleneglycolmonoethylether (DEGEE, CAS-Nr. 111-90-0)	2 (v) [= 0.4 ppm]	0.7 (v)	2013
Ethyleneglycolbutylether (EGBE, CAS-Nr. 111-76-2)	1 [= 0.3 ppm]	0.1	2013
Ethyleneglycolbutyletheracetate (EGBEA, CAS-Nr. 112-07-2)	2 (v) [= 0.3 ppm]	0.2 (v)	2013
Diethyleneglycolbutylether (DEGBE, CAS-Nr. 112-34-5)	1 (v) [= 0.2 ppm]	0.4 (v)	2013
Ethyleneglycolhexylether (EGHE, CAS-Nr. 112-25-4)	1	0.1	2013
2-Propyleneglycol-1-methylether (2PG1ME, CAS-Nr. 107-98-2)	10	1	2013
Dipropyleneglycol-1-methylether (D2PGME, CAS-Nr. 34590-94-8; 13429-07-7; 20324-32-7; 13588-28-8; 55956-21-3)	7 (v) [=1 ppm]	2 (v)	2013
2-Propyleneglycol-1-ethylether (2PG1EE, CAS-Nr. 1569-02-4)	3 [=0.5 ppm]	0.3	2013
2-Propyleneglycol-1-tertbutylether (2PG1tBE, CAS-Nr. 57018-52-7)	3 [=0.5 ppm]	0.3	2013
Default-value: Glycoether (insufficient data basis)	0.05 ml/m ³ [=0.05 nmol]	0.005 ml/m ³ [=0.005 nmol]	2013
Naphthalene and naphthalene-like substances	0.03	0.01	2013
Acetaldehyde (CAS-Nr. 75-07-0)	1	0.1	2013
Methyl isobutyl ketone (CAS-Nr. 108-10-1)	1	0.1	2013
Ethyl benzene (CAS-Nr. 100-41-4)	2	0.2	2012
Alkyl benzene C ₉ -C ₁₅	1	0.1	2012
Cresols	0.05	0.005	2012
Phenol (CAS-Nr. 108-95-2)	0.2	0.02	2011
2-Furaldehyde (CAS-Nr. 98-01-1)	0.1	0.01	2011
Cyclic Dimethylsiloxanes D ₃ -D ₆ (total guide value)	4	0.4	2011
Benzaldehyde (CAS-Nr. 100-52-7)	0.2 (v)	0.02 (v)	2010
Benzyl alcohol (CAS-Nr. 100-51-6)	4	0.4	2010
Monocyclic monoterpenes (guiding substance: limonene)	10	1	2010
Aldehydes, C ₄ -C ₁₁ (saturated, acyclic, aliphatic)	2	0.1	2009
Dearomatized hydrocarbon solvents (C ₉ -C ₁₄)	2	0.2	2005
Bicyclic terpenes (guiding substance: α-pinenes)	2	0.2	2003
Tris(2-chlorethyl)phosphate (TCEP)	0.05	0.005	2002
Diisocyanates (DI)	See explanation in text below		2000
Mercury (as metallic vapor)	0.00035	0.000035	1999
Styrene (CAS-Nr. 100-42-5)	0.3	0.030	1998
Nitrogen dioxide (NO ₂) (CAS-Nr. 10102-44-0)	0.35 (½ h) 0.06 (1 week)	n.v. n.v.	1998

Dichlormethane (CAS-Nr. 75-09-2)	2 (24 h)	0.2	1997
Carbon monoxide (CAS-Nr. 630-08-0) ²⁾	Guideline values from WHO ¹⁾		2014
	100 (15-min-value)		
	35 (60-min-value)		
	10 (8 h)		
	7 (24 h)		
Pentachlorophenol (PCP) (CAS-Nr. 87-86-5)	0.001	0.0001	1997
Toluene (CAS-Nr. 108-88-3)	3	0.3	1996

¹⁾ The data in parentheses, where stated specifically, indicates a running mean, e.g. 24 hours (h)

²⁾ The committee on indoor guide values takes over the guideline values from the WHO including rationale
v) preliminary

ce: Umweltbundesamt