

Substance		Health Protection		
Designation	Chemical Formula	TRGS 900 Air Limit Value / ppm	TRGS 900 Excursion Limits Category	Remarks
Acetic acid	CH3COOH	10	=1=	MAK(DFG, EU)
Acetone	CH3COCH3	500	1.5	MAK(DFG), I(2)
Acetonitrile	CH3CH	40	4	MAK(DFG, EU), 20ppm, II(2)
Ammonia	NH3	50	=1=	MAK(DFG), 20ppm, I(2)
Argon	Ar	-	-	-
Arsin	AsH3	0.05	4	MAK(DFG), -
Benzene	C6H6	1	4	TRK, 2.5ppm
Boron trichloride	BCl3	-	-	MAK für HCL, 5ppm
Boron trifluoride	BF3	1	=1=	MAK(DFG), -
Bromo	Br2	0.1	=1=	MAK(DFG, EU), I(1)
Bromomethane (R40)	CH3Br	-	-	USA, 1ppm
Butane, n- (Isobutane)	C4H10	1000	4	MAK(DFG), II(4)
Butane-1-ol	C4H9OH	100	=1=	MAK(DFG), I(1)
Butane-2-ol	C4H9OH	100	4	MAK(DFG), -
Butanone (MEK)	CH3COC2H5	200	=1=	MAK(DFG), I(1)
Butyl acetate, n-	CH3COOC4H9	100	=1=	MAK(DFG), I(2)
Carbon dioxide	CO2	5000	4	MAK(DFG, EU), II(2)
Carbon monoxide	CO	30	2	MAK(DFG), II(1)
Carbonyl chloride	COCL2	0.02	=1=	MAK(DFG), I(2)
Chlorine	Cl2	0.5	=1=	MAK(DFG), I(1)
Chlorine dioxide	ClO2	0.1	=1=	MAK(DFG), I(1)
Cyclohexane	C6H12	200	4	MAK(DFG), II(4)
Cyclopentane	C5H10	200	4	MAK(AGS), KW-Mixtures Group 1
Diborane	B2H6	0.1	=1=	MAK(DFG), -
Dichloromethane	CH2Cl2	100	4	MAK(DFG), -
Dichlorotrifluoroethane (R123)	C2HCl2F3	-	-	-
Diethyl ether	C2H5OC2H5	400	4	MAK(DFG), II(1)
Difluoroethane, 1,1-(R152a)	C2H4F2	-	-	-
Dimethyl ether	CH2OCH4	1000	4	MAK(DFG), II(8)
Ethane	C2H6	-	-	-
Ethanol	C2H5OH	1000	4	MAK(DFG), 500ppm, II(2)
Ethanthiol	C2H6S	0.5	=1=	MAK(DFG), II(2)
Ethene	C2H4	-	-	-
Ethine	C2H2	-	-	-
Ethyl acetate	CH3COOC2H5	400	=1=	MAK(DFG), I(2)
Ethylene oxide (ETO)	C2H4O	1	4	TRK(AGS)
Fluorine	F2	0.1	=1=	MAK(DFG), I(2)
German	GeH4	-	-	MAK(NL), 0.2ppm

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Heptane, n-	C7H16	500	4	MAK(DFG), I(1)
Hexane, n-	C6H14	50	4	MAK(DFG), II(8)
Hydrogen	H2	-	-	-
Hydrogen chloride	HCl	5	=1=	MAK(DFG, EU), I(1)
Hydrogen cyanide	HCN	10	4	MAK(DFG), II(2)
Hydrogen fluoride	HF	3	=1=	MAK(DFG), 2ppm, I(1)
Hydrogen sulphide	H2S	10	=1=	MAK(DFG), II(2)
Isopropyl acetate	CH3COOC3H7	100	=1=	MAK(DFG), I(2)
Kerosene		-	-	-
Methane	CH4	-	-	-
Methanol	CH3OH	200	4	MAK(DFG, EU), II(4)
Methyl acetate	CH3COOCH3	200	4	MAK(DFG), II(4)
Monochlorodifluoromethane (R22)	CHClF2	250	4	MAK(DFG), 500ppm, II(2)
Nitrogen	N2	-	-	-
Nitrogen dioxide	NO2	5	=1=	MAK(DFG), I(1)
Nitrogen monoxide	NO	25	-	MAK(EU)
Nonane, n-	C9H20	-	-	-
Octane	C8H18	500	4	MAK(DFG), II(2)
Oxygen	O2	-	-	-
Ozone	O3	0.1	=1=	MAK(DFG)
Pentane	C5H12	1000	4	MAK(DFG), II(2)
Phosphorus hydrogen (Phosphine)	PH3	0.1	=1=	MAK(DFG), I(1)
Phosphorus trichloride	PCL3	0.5	=1=	MAK(DFG), I(1)
Propane	C3H8	1000	4	MAK(DFG), II(8)
Propanol, 1-	C3H7OH	-	-	USA, 200ppm
Propanol, 2-	C3H7OH	200	4	MAK(DFG), II(2)
Propene (Propylene)	C3H6	-	-	-
Propylene oxide	C3H6O	2.5	4	TRK(AGS)
Stibine	SbH3	0.1	4	MAK(DFG), I(1)
Styrene	C8H8	20	4	MAK(DFG), II(2)
Sulphur dioxide	SO2	0.5	=1=	MAK(DFG), I(1)
Sulphur hexafluoride	SF6	1000	4	MAK(DFG), II(8)
Tetrafluoroethane (R134a)	C2H2F4	1000	4	MAK(DFG), II(8)
Tetrahydrofuran (THF)	C4H8O	50	=2=	MAK(DFG), I(2)
Toluene	C7H8	50	4	MAK(DFG), II(4)
Xylenes	C8H10	100	4	MAK(DFG), II(2)