

# Hazardous Substances

## CHEMICAL DATA

### TOXICS & FLAMMABLE

SUBSTANCE	FORMULA	CAS	LEL (%/Vol)	UEL (%/Vol)	AEGL-1 (60m)	AEGL-2 (60m)	AEGL-3 (60m)	TLV/TWA (ppm)	IDLH (ppm)	DENSITY (Air)
ACETONE	C3H6O	67-64-1	2.6	12.8	200	3200	5700	750	2500	2.0
ACETYLENE	C2H2	74-86-2	2.5	100	-	-	-	A	A	0.9
AMMONIA, ANHYDROUS	NH3	7664-41-7	16	25	30	160	1100	25	300	0.6
BENZENE	C6H6	71-43-2	1.4	8	52	800	4000	1	500	2.6
BUTANE	C4H10	106-97-8	1.9	8.5	5500	17000	53000	800	-	2.0
BUTYL ACETATE	C6H12O2	123-86-4	1.7	7.6	-	-	-	150	1700	4.0
CARBON DIOXIDE	CO2	124-38-9	-	-	-	-	-	5000	40000	1.5
CARBON MONOXIDE	CO	630-08-0	12	75	-	83	330	25	1200	1.0
CHLORINE	CL	7782-50-5	-	-	0.5	2	20	0.5	10	2.5
DIBORANE	B2H6	19287-45-7	0.8	88	-	1	3.7	0.1	15	1.0
ETHANE	C2H6	74-84-0	2.9	13	-	-	-	A	A	1.0
ETHANOL	C2H6O	64-17-5	3.3	19	-	-	-	1000	3300	1.6
ETHYL ACETATE	C4H8O2	141-78-6	2	11.5	-	-	-	400	2000	3.0
DIETHYL ETHER	C4H10O	60-29-7	1.85	36	-	-	-	400	1900	2.6
ETHYLENE OXIDE	C2H4O	75-21-8	3	100	-	45	200	1	800	1.5
GASOLINE	-	8006-61-9	1.4	7.4	-	-	-	150	1700	4.0
HEPTANE (N-HEPTANE)	C7H16	142-82-5	1	7	-	-	-	400	750	3.5
HEXANE (N-HEXANE)	C6H14	110-54-3	1.2	7.5	-	2900	8600	50	1100	3.0
HYDROGEN	H	1333-74-0	4	75	-	-	-	A	A	0.1
HYDROGEN CYANIDE, ANHYDROUS	CHN	74-90-8	5.6	40	2	7.1	15	10	50	0.9
HYDROGEN SULFIDE	H2S	7783-06-4	4.3	45	0.51	27	50	10	100	1.2
ISOPROPANOL	C3H8O	67-63-0	2	12	-	-	-	400	2000	2.1
METHANE	CH4	74-82-8	5	15	-	-	-	A	A	0.6
METHANOL	CH4O	67-56-1	6	36.5	530	2100	7200	200	6000	1.1
METHYL CHLORIDE	CH3Cl	74-87-3	8.1	17.2	-	910	3000	50	2000	1.8
METHYL ETHYL KETONE	C4H8O	78-93-3	1.8	10	200	2700	4000	200	3000	2.5
METHYL METHACRYLATE	C5H8O2	80-62-6	2.1	12.5	17	120	570	100	1000	3.5
NITRIC OXIDE	NO	10102-43-9	-	-	-	-	-	25	100	1.0
NITROGEN DIOXIDE	NO2	10102-44-0	-	-	0.5	12	20	3	20	1.6
PENTANE (N-PENTANE)	C5H12	109-66-0	1.5	7.8	-	-	-	600	1500	2.5
PROPANE	C3H8	74-98-6	2.1	9.5	5500	17000	33000	1000	2100	1.6
PROPYLENE OXIDE	C3H6O	75-56-9	2.8	37	73	290	870	20	400	2.0
STYRENE MONOMER	C8H8	100-42-5	1.1	6.1	20	130	1100	50	700	3.6
TOLUENE	C7H8	108-88-3	1.27	7.1	67	560	3700	50	500	3.1
TRICHLOROETHANE	C2H3Cl3	71-55-6	7.5	12.5	230	600	4200	350	700	4.6
TRICHLOROETHYLENE	C2HCl3	79-01-6	12.5	90	130	450	3800	50	1000	4.5
TURPENTINE	-	8006-64-2	0.8	-	-	-	-	100	800	4.7
VINYL ACETATE	C4H6O2	108-05-4	2.6	13.4	6.7	36	180	10	-	3.0
VINYL CHLORIDE	C2H3Cl	75-01-4	3.6	33	250	1200	4800	1	C	2.2
XYLENE (MIXED ISOMERS)	C8H10	1330-20-7	0.9	6.7	130	920	2500	100	900	3.7

A - Asphyxiant

C - Cancer Causing

Data collated from CAMEO Chemicals : [cameochemicals.noaa.gov](http://cameochemicals.noaa.gov)