

Chemicals Used by Industries in M.P. State and their Exposure Limits

S.No.	Chemical	CAS No.	RTECS No.	IDLH	STEL	TWA
1	Acetic Acid	64-19-7	AF1225000	50	15	10
2	Acetic Anhydride	108-24-7	AK1925000	200		5
3	Acetone	67-64-1	AL3150000	2500		250
4	Acrylonitrile	107-13-1	AT5250000	85	10	1
5	Alpha methyl styrene	98-83-9	WL5075300	700	100	50
6	Aluminium chloride					
7	Aluminium powder					5*
8	Ammonia	7664-41-7	BO0875000	300	35	25
9	Ammonium nitrate					
10	Aniline	62-53-3	BW6650000	100		5
11	Asbestos					
12	Benzene	71-43-2	CY1400000	500	0.1	0.1
13	Benzene hexachloride					
14	Benzoyl chloride					
15	Butadiene	106-99-0	EI9275000	2000	5	1
16	Butanol	78-92-2	EO1750000	2000	150	100
17	Butyl Alcohol	71-36-3	EO1400000	1400		100
18	Calcium carbide					
19	Calcium hypochloride					
20	Calcium nitrate					
21	Carbaryl	63-25-2	FC5950000	100*		5*
22	Carbon dioxide	124-38-9	FF6400000	40000	30000	5000
23	Carbon disulfide	75-15-0	FF6650000	500	10	1
24	caustic soda					
25	Chlorine	7782-50-5	FO2100000	10	0.5	1
26	Chlorofluoro aniline					
27	Cyclopropyl bromide					
28	Denatures spirit					
29	Diethyl oxide					
30	Diethyl sulphate					
31	Dimethyl Aniline					
32	Dimethyl formamide	68-12-2	LQ2100000	500		10
33	EMME					
34	Ethoxymethylene malonate diethyl					
35	Ethyl Alcohol	64-17-5	KQ6300000	3300		1000
36	Ethyl Mercaptan	75-08-1	K19625000	500	0.5	
37	Ethylene acetate					
38	Ethylene dichloride	107-06-2	KI0525000	50	2	1
39	Ethylene glycol					
40	Fenvelrate					
41	formaldehyde	50-00-0	LP8925000	20	0.1	0.016
42	Gypsum					10*
43	Hexamethylenedisilazine					
44	Hexamine					
45	Hexane	110-54-3	MN9275000	1100		50
46	Hydrochloric Acid	7647-01-0	MW4025000	50		5
47	Hydrogen	10035-10-6	MW3850000	30		3
48	Hydrogen fluoride	7664-39-3	MW7875000	30	6	3
49	Hydrogen Peroxide	7722-84-1	MX0900000	75		1
50	Hydrogen sulfide	7783-06-4	MX1225000	100	10	
51	Hydroquinone	123-31-9	MX3500000	50*	2*	
52	Isopropyl Alcohol	67-63-0	NT8050000	2000	500	400
53	L.P.G.	68476-85-7	SE7545000	2000		1000
54	Lindane	58-89-9	GV4900000	50*		0.5*
55	Linear Alkylbenzene sulphonic acid					
56	Liquid Nitrogen					
57	Malathion	121-75-5	WM8400000	250*		10*
58	Melamine					
59	Mercurous chloride					
60	Mercury					
61	Meta-Toluidine					
62	Methyl Alcohol	67-56-1	PC1400000	6000	250	200
63	Methylene Chloride	75-09-2	PA8050000	2300	125	25
64	Monocrotophos	6923-22-4	TC4375000			0.25*

65	Naphthalene	91-20-3	QJ0525000	250	15	10
66	Nipafin					
67	Nipaphos					
68	Nitric Acid	7697-37-2	QU5775000	25	2	4
69	Oleum					
70	Pentane	109-66-0	RZ9450000	1500	610	120
71	Phenylglycine chloride					
72	Phosphoric Acid	7664-38-2	TB6300000	1000*		1*
73	Piperazine					5
74	Piperazine	142-64-3	TL4025000			5*
75	Potassium Carbonate					
76	Potassium permanganate					
77	Propane	74-98-6	TX2275000	2100		1000
78	Pyridine	110-86-1	UR8400000	1000		5
79	Pyridine	110-86-1	UR8400000	1000		5
80	Silicon tetrafluoride					
81	Sodium chloride					
82	Sodium cyanide					
83	Sodium dichromate					
84	Sodium Hydroxide	1310-73-2	WB4900000	10*		2*
85	Sodium hypochloride					
86	Sodium nitrite					
87	Sodium sulphate					
88	Styrene	100-42-5	WL3675000	700	100	50
89	Sulphur					
90	Sulphur dioxide	7446-09-05	WS4550000	100	5	2
91	Sulphur trioxide					
92	Sulphuric Acid	7664-93-9	WS5600000	15*		1*
93	Sulphuric Acid	7664-93-9	WS5600000	15*		1*
94	Thionyl chloride	7719-09-7	XM5150000			1
95	Titanium oxide					
96	Toluene					
97	Triethylamine	121-44-8	YEO175000	200		25
98	Triethylamine	121-44-8	YEO175000	200		25
99	Trimethyl chlorosilane					
100	Turpentine	8006-64-2	YO8400000	800		100
101	Xylene-o	95-47-6	ZE2450000	900	150	100
102	Zinc ash					
103	Zinc chloride	7646-85-7	ZH1400000	50*	1*	2*
104	Zinc dross					
105	Zinc nitrate					

CAS No. - Chemical Abstract Society Reistration No.

RTECS - Registry of Toxic Effects of Chemical Substances.

IDLH - Immediately Dangerous to Life & Health.

STEL - Short Term Exposure (15 minute) limit in ppm.

TWA - Time Weighted Average (8 hourly) in ppm.

* - Concentration in mg/m³