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Part III—Section 1(a)

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NOTIFICATIONS BY GOVERNMENT

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NOTIFICATIONS BY GOVERNMENT

LABOUR AND EMPLOYMENT DEPARTMENT

Draft Amendments to the Tamil Nadu Control of Industrial Major Accident Hazards Rules, 1994 on par with the Manufacture, Storage and Import of Hazardous Chemical (Amendment) Rules, 2000

[G.O. Ms. No. 125, Labour and Employment (M2), 29th December 2011, Margazhi 13, Thiruvalluvar Aandu — 2042.]

No. SRO A-11/2012.—The following draft of amendments to the Tamil Nadu Control of Industrial Major Accident Hazards Rules, 1994, which it is proposed to make in exercise of the powers conferred by Section 112 read with Section 41B of the Factories Act, 1948 (Central Act LXIII of 1948), is hereby published for information to all persons likely to be affected thereby as required by Section 115 of the said Act.

2. Notice is hereby given that the draft amendments will be taken into consideration on or after the expiry of 45 days from the date of publication of this Notification in the *Tamil Nadu Government Gazette*, and that any objections or suggestions, which may be received from any person with respect thereto before the expiry of the aforesaid period of 45 days will be considered by the Government of Tamil Nadu. Objections and suggestions, if any, should be addressed to the Principal Secretary to Government, Labour and Employment Department, Secretariat, Chennai 600 009, through the Chief Inspector of Factories, Chepauk, Chennai 600 005.

DRAFT AMENDMENTS

In the Said Rules,—

(1) in rule 2,—

(a) in clause (a), in sub-clause (i), for the expression "Schedule 1 and is", the expression Schedule 1 or shall be substituted;

(b) in clause (b), after sub-clause (i), the following clauses shall be inserted, namely:—

“(ii) isolated storage; or

(iii) pipeline”;

(c) after clause (d), the following clause shall be inserted, namely:— (da) "major accident hazards (MAH) installations" means isolated storage and industrial activity at a site handling (including transport through carrier or pipeline) of hazardous chemicals equal to or, in excess of the threshold quantities specified in column 3 of Schedule 2 and 3 respectively.”;

(d) after clause (f), the following clause shall be inserted, namely:—

“(g) "Threshold quantity" means,—

(i) in the case of a hazardous chemical specified in column (2) of Schedule 2, the quantity of that chemical specified in the corresponding entries in columns (3) and (4);

(ii) in the case of a hazardous chemical specified in column (2) of Part I of Schedule 3, the quantity of that chemical specified in the corresponding entries in columns (3) and (4) of that Part;

(iii) in the case of substances of a class specified in column (2) of Part II of Schedule 3, the total quantity of that chemical specified in the corresponding entries in columns (3) and (4) of the Part.”

(2) In rule 4,—

(a) in sub-rule (1),—

(i) in clause (a), for the words “and is listed”, the words “or Listed” shall be substituted;

(ii) for clause (b), the following clause shall be substituted, namely:—

“(b) isolated storage of a hazardous chemical listed in Schedule 2 in a quantity equal to or more than the threshold quantity specified in column (3) thereof.”;

(3) In rule 7, for the marginal heading "Notification of sites", the heading "Approval and Notification of sites" shall be substituted;

(4) for Schedule 1 and the entries relating thereto, the following Schedule and entries shall be substituted, namely:—

"SCHEDULE 1.

[See rules 2(a)(i), 3(1), 4(1)(a) and 4 (2)]

(PART I)

(a) Toxic Chemicals: Chemicals having the following values of acute toxicity and which owing to their physical and chemical properties are capable of producing major accident hazards.

Sl. No.	Toxicity	Oral toxicity LD 50 (mg/kg)	Dermal toxicity LD 50 (mg/kg)	Inhalation toxicity LC 50 (mg/litre)
(1)	(2)	(3)	(4)	(5)
1.	Extremely toxic	> 5	< 40	< 0.5
2.	Highly toxic	> 5-50	> 40-200	< 0.5-2.0
3.	Toxic	> 50-200	> 200-1000	> 2-10

(b) Flammable Chemicals:(1) *Flammable gases,-*

Gases which at 20°C and at standard pressure of 101/3 KPa are:—

- (i) ignitable when in a mixture of 13 per cent or less by volume with air; or
- (ii) have a flammable range with air of at least 12 percentage points regardless of the lower flammable limits.

NOTE:

The flammability shall be determined by leads by tests or by calculation in accordance with methods adopted by international Standards Organization ISO Number 10156 of 1990 or by Bureau of Indian Standards ISI Number 1446 of 1985.

(2) Extremely flammable liquids.— Chemicals which have flash point lower than or equal to 23°C and boiling point less than 35°C.

(3) Very highly flammable liquids:— Chemicals which have a flash point lower than or equal to 23°C and initial boiling point higher than 35°C.

(4) Highly inflammable liquids:—Chemicals which have a flash point lower than or equal to 60°C but higher than 23°C.

(5) Flammable liquids:—Chemicals which have a flash point higher than 60°C but lower than 90°C.

(c) Explosives:—

Explosives means a solid or liquid or pyrotechnic substance (or a mixture of substances) or an article.

(i) which is in itself capable by chemical reaction of producing gas at such a temperature and pressure and at such a speed as to cause damage to the surroundings;

(ii) which is designed to produce an effect by heat, light, sound, gas or smoke or a combination of these as the result of non-detonative, self-sustaining exothermic reaction.

PART II

Sl.No.	List of Hazardous Chemicals.
(1)	(2)
1.	Acetaldehyde
2.	Acetic acid
3.	Acetic anhydride
4.	Acetone
5.	Acetone cyanohydrin
6.	Acetone thiosemicarbazide
7.	Acetonitrile

<i>Sl.No.</i> <i>(1)</i>	<i>List of Hazardous Chemicals.</i> <i>(2)</i>
8	Acetylene
9	Acetyl tetra chloride
10	Acrolein
11	Acrylamide
12	Acrylonitrile
13	Adiponitrile
14	Aldicarb
15	Aldrin
16	Allyl Alcohol
17	Allylamine
18	Allyl chloride
19	Aluminium (powder)
20	Aluminium azide
21	Aluminium borohydride
22	Aluminium Chloride
23	Aluminium Fluoride
24	Aluminium Phosphide
25	Amino Diphenyl
26	Amino Pyridine
27	Aminophenol-2
28	Aminopterin
29	Amiton
30	Amiton Dialate
31	Ammonia
32	Ammonium Chloro Platinate
33	Ammonium Nitrate
34	Ammonium Nitrite
35	Ammounium Picrate
36	Anabasine
37	Aniline
38	Aniline 2, 4, 6-Trimethyl
39	Anthraquinone
40	Antimony Pentafluoride
41	Antimycin A
42	ANTU
43	Arsenic Pentoxide
44	Arsenic Trioxide
45	Arsenic Trichloride
46	Arsine
47	Asphalt
48	Azinpho-Ethyl
49	Azinphosmethyl
50	Bacitracin

<i>Sl.No.</i> (1)	<i>List of Hazardous Chemicals.</i> (2)
51	Barium Azide
52	Barium Nitrate
53	Barium Nitride
54	Benzal Chloride
55	Benzenamine, 3-Trifluoromethyl
56	Benzene
57	Benzene Sulfonyl Chloride
58	Benzene, 1-(Chloromethyl)-4 Nitro
59	Benzene Arsenic Acid
60	Benzidine
61	Benzidine Salts
62	Benzimidazole, 4, 5-Dichloro-2 (Trifluoromethyl)
63	Benzoquinone-P
64	Benzotrichloride
65	Benzoylchloride
66	Benzoyl Peroxide
67	Benzylchloride
68	Beryllium (Powder)
69	Bicyclo (2, 2, 1)Heptane-2-Carbonitrile
70	Biphenyl
71	Bis (2-Chloroethyl) Sulphide
72	Bis (2-Chloromethyl) Ketone
73	Bis (Terbutylperoxy) Cyclo-hexane
74	Bis (Terbutylperoxy) butane
75	Bis (2, 4, 6-Trinitrophenylamine)
76	Bis (2-Chloromethyl) Ether
77	Bismuth and Compounds
78	Bisphenol-A
79	Bitoscanate
80	Boron Powder
81	Boron Trichloride
82	Boron Trifluoride
83	Boron Trifluoride Comp. With Methylether 1:1
84	Bromine
85	Bromine Penta Fluoride
86	Bromo Chloro Methane
87	Bromodialone
88	Butadiene
89	Butane
90	Butanone-2
91	Butyl Amine Tert
92	Butyl Glycidal Ether
93	Butyl Isovalarate

<i>Sl.No.</i> <i>(1)</i>	<i>List of Hazardous Chemicals.</i> <i>(2)</i>
94	Butylperoxymaleate tert
95	Butylvinyl Ether
96	Butyl-n-Mercaptan
97	C.I. Basic Green
98	Cadmium Oxide
99	Cadmium Stearate
100	Calcium Arsenate
101	Calcium Carbide
102	Calcium Cyanide
103	Camphchlor (Toxaphene)
104	Cantharidine
105	Captan
106	Carbachol Chloride
107	Carbaryl
108	Carbofuran (Furadan)
109	Carbon Tetrachloride
110	Carbon Disulphide
111	Carbon Monoxide
112	Carbophenothion
113	Carvone
114	Cellulose Nitrate
115	Chloroacetic Acid
116	Chlordane
117	Chlorofenvinphos
118	Chlorinated Benzene
119	Chlorine
120	Chlorine Oxide
121	Chlorine Trifluoride
122	Chlormephos
123	Chlormequat Chloride
124	Chloroacetal Chloride
125	Chloroacetaldehyde
126	Chloroaniline-2
127	Chloroaniline-4
128	Chlorobenzene
129	Chloroethylchloroformate
130	Chloroform
131	Chloroformyl Morphonline
132	Chloromethane
133	Chloromethyl Methyl Ether
134	Chloronitrobenzene
135	Chlorophacinone
136	Chlorosulphonic Acid

<i>Sl.No.</i> (1)	<i>List of Hazardous Chemicals.</i> (2)
137	Chlorothiophos
138	Chloroxuron
139	Chromic Acid
140	Chromic Chloride
141	Chromium Powder
142	Cobalt Carbonyl
143	Cobalt Nitrilmethylidyne Compound
144	Cobalt (Powder)
145	Colchicine
146	Copper and Compounds
147	Copperoxychloride
148	Coumafuryl
149	Coumaphos
150	Coumatetralyl
151	Crimidine
152	Crotenaldehyde
153	Crotonaldehyde
154	Cumene
155	Cyanogen Bromide
156	Cyanogen Iodide
157	Cyanophos
158	Cyanothoate
159	Cyanuric Fluoride
160	Cyclo Hexylamine
161	Cyclohexane
162	Cyclohexanone
163	Cycloheximide
164	Cyclopentadine
165	Cyclopentane
166	Cyclotetramethylenetetran Itramine
167	Cyclotrimethylenetrinitranine
168	Cypermethrin
169	DDT
170	Decaborane (1:4)
171	Demeton
172	Demeton S-Methyl
173	Di-n-propyl peroxy dicarbonate (Conc=80%)
174	Dialifos
175	Diazodinitrophenol
176	Dibenzyl peroxydicarbonate (Conc>+90%)
177	Diborane
178	Dichloroacetylene
179	Dichlorobenzalkonium chloride
180	Dichloroethylether
181	Dichloromethyl phenylsilane
182	Dichlorophenol-2, 6
183	Dichlorophenol-2, 4

<i>Sl.No.</i> (1)	<i>List of Hazardous Chemicals.</i> (2)
184	Dichlorophenoxy acetic acid
185	Dichloropropane-2, 2
186	Dichlorosalicylic acid, -3, 5
187	Dichlorovos (DDVP)
188	Dicrotophos
189	Dieldrin
190	Diepoxy Butane
191	Diethyl Carbamazine Citrate
192	Diethyl Chloro Phosphate
193	Diethyl Ethanolamine
194	Diethyl Peroxydicarbonate (Conc-30%)
195	Diethyl phenylene diamine
196	Diethylamine
197	Diethylene Glycol
198	Diethylene glycol dinitrate
199	Diethylene Triamine
200	Diethleneglycol butyl ether
201	Diglycidyl Ether
202	Digitoxin
203	Dihydroperoxpropane (Conc>=30%)
204	Di-isobutryl peroxide
205	Dimefox
206	Dimethoate
207	Dimethyl Dichlorosilane
208	Dimethyl hydrazine
209	Dimethyl nitrosoamine
210	Dimethyl P-phenylene diamine
211	Dimethyl phosphoramidicyanidic acid (TABUM)
212	Dimethyl phosphorochloridothioate
213	Dimethyl sufolane (DMS)
214	Dimethyl sulphide
215	Dimethyl amine
216	Dimethylaniline
217	Dimethyl carbonyl chloride
218	Dimetilan
219	Dintro-O-cresol
220	Dinitrophenol
221	Dinitrotoluene
222	Dinoseb
223	Dinoterb
224	Dioxane-p
225	Dioxathion
226	Dioxine N
227	Diphacinone
228	Diphosphoramide octamethyl
229	Diphenyl methane di-isocynate (MDI)
230	Dipropylene Glycol Butyl ether
231	Dipropylene glycol Methyl ether

<i>Sl.No.</i> (1)	<i>List of Hazardous Chemicals.</i> (2)
232	Disec-butyl peroxydicarboninate (Conc>80%)
233	Disufoton
234	Dithiazamine iodide
235	Dithiobiurate
236	Endosulfan
237	Endothion
238	Endrin
239	Epichlorohydrine
240	EPN
241	Ergocalciferol
242	Ergotamine tartarate
243	Ethanesulfenyl chloride 2 chloro
244	Ethanol 1-2 dichloracetate
245	Ethion
246	Ethoprophos
247	Ethyl acetate
248	Ethyl alcohol
249	Ethyl benzene
250	Ethyl bis amine
251	Ethyl bromide
252	Ethyl carbamate
253	Ethyl ether
254	Ethyl hexanol,-2
255	Ethyl mercaptan
256	Ethyl mercuric phosphate
257	Ethyl methacrylate
258	Ethyl nitrate
259	Ethyl thocyanate
260	Ethylamine
261	Ethylene
262	Ethylene chlorohydrine
263	Ethylene dibromide
264	Ethylene diamine
265	Ethylene diamine hydrochloride
266	Ethylene Flourohydrine
267	Ethylene glycol
268	Ethylene glycol dinitrate
269	Ethylene oxide
270	Ethylenimine
271	Ethylene di chloride
272	Femamiphos
273	Femitrothion
274	Fensulphothion
275	Fluemetil
276	Flourine
277	Fluro 2-hydroxy butyirc acid amid salt ester
278	Flouroacetamide

<i>Sl.No.</i> (1)	<i>List of Hazardous Chemicals.</i> (2)
279	Flouroacetic acid amide salts esters
280	Fluoroacetylchloride
281	Fluorobutyric acid amide salt esters
282	Fluorocrotonic acid amides salts esters
283	Flouorouocil
284	Fonofos
285	Formaldehyde
286	Formetanate hydrochloride
287	Formic acid
288	Formoparanate
289	Formothion
290	Fosthiotan
291	Fuberidazole
292	Furan
293	Gallium Trichloride
294	Glyconitrile (Hydroxyacetonitrile)
295	Guanyl-4 nitrosaminoguynyl-1-tetrazene
296	Heptachlor
297	Hexamethyl-tetra-oxyacyclononate (Conc 75%)
298	Hexachlorobenzene
299	Hexachlorocyclohexan (Lindane)
300	Hexachlorocyclopentadiene
301	Hexachlorodibenzo-p-dioxin
302	Hexachloronaphthalene
303	Hexafluoropropanone sesquydrate
304	Hexamethyl phosphoramide
305	Hexamethylene diamine NN dibutyl
306	Hexane
307	Hexanitrostilbene 2 2 4 4 6 6
308	Hexene
309	Hydrogen selenide
310	Hydrogen sulphide
311	hydrazine
312	Hydrazine nitrate
313	Hydrochloric acid (Gas)
314	Hydrogen
315	Hydrogen bromide
316	Hydrogen cyanide
317	Hydrogen fluoride
318	Hydrogen peroxide
319	Hydroquinone
320	Indene
321	Indium powder
322	Indomethacin
323	Iodine

<i>Sl.No.</i> <i>(1)</i>	<i>List of Hazardous Chemicals.</i> <i>(2)</i>
324	Iridium tetrachloride
325	Iron Pentacarbonyl
326	Iso benezan
327	Isoamy alcohol
328	Isobutyl alcohol
329	Isobutyro nitrile
330	Isocyanic acid 3 4-dichlorophenyl ester
331	Isodrin
332	Isofluorophosphate
333	Isophorone diisocyanate
334	Isopropyl alcohol
335	Isopropyl chlorocarbonate
336	Isopropyl formate
337	Isopropyl methyl pyrazoyl dimethyl carbamate
338	Juglone (5-Hydroxy Napthalene-1, 4 dione)
339	Ketene
340	Lactonitrile
341	Lead arsenite
342	Lead at high temp (molten)
343	Lead azide
344	Lead syphanate
345	Leptophos
346	Lenisite
347	Liquified petroleum gas
348	Lithium hydride
349	N-Dinitrobenzene
350	Magnesium powder or ribbon
351	Malathion
352	Maleic anhydride
353	Malononitrile
354	Manganese Tricarbonyl Cyclopentadiene
355	Mechlor ethamine
356	Mephospholan
357	Mercuric chloride
358	Mercuric oxide
359	Mercury acetate
360	Mercury fulminate
361	Mercury methyl chloride
362	Mesitylene
363	Methaacrolein discetate
364	Methacrylic anhydride
365	Methacrylonitrile
366	Methaeryloyl oxyethyl isocyanate
367	Methanidophos
368	Methane
369	Methanesulphonyl fluoride
370	Methidathion
371	Methiocarb

<i>Sl.No.</i> (1)	<i>List of Hazardous Chemicals.</i> (2)
372	Methonyl
373	Methoxy ethanol (2-Methyl cellosolve)
374	Methoxyethyl mercuric acetate
375	Methacryloyl chloride
376	Methyl 2-chloroacrylate
377	Methyl alcohol
378	Methylamine
379	Methyl bromide (Bromomethane)
380	Methyl chloride
381	Methyl chloroform
382	Methyl chloroformate
383	Methyl cyclohexene
384	Methyldisulphide
385	Methyl ethyl ketone peroxide (Conc 60%)
386	Methyl formate
387	Methyl hydrazine
388	Methyl isobutyl ketone
389	Methyl isocyanate
390	Methyl isothiocyanate
391	Methyl mercuric dicyanamide
392	Methyl mercaptan
393	Methyl methacrylate
394	Methyl phencapton
395	Methyl phosphonic dichloride
396	Methyl thiocyanate
397	Methyltrichlorosilane
398	Methyl vinyl ketone
399	Methylenebis (2-chloroaniline)
400	Methylene chloride
401	Methylenebis-4, 4(2-chloroaniline)
402	Metolcarb
403	Mevinphos
404	Mezacarbate
405	Mitomycin C
406	Molybdenum powder
407	Monocrotophos
408	Morpholine
409	Muscinol
410	Mustard gas
411	N-Butyl acetate
412	N-Butyl alcohol
413	N-Hexane
414	N-Methyl-N, 2, 4, 6-Tetranitroaniline
415	Naphtha
416	Naphtha solvent

<i>Sl.No.</i> (1)	<i>List of Hazardous Chemicals.</i> (2)
417	Naphthalene
418	Naphthylamine
419	Nickel carbonyl/Nickel tetracarbonyl
420	Nickel powder
421	Nicotine
422	Nicotine sulphate
423	Nitric acid
424	Nitric oxide
425	Nitro benzene
426	Nitro cellulose (dry)
427	Nitrochlorobenzene
428	Nitrocyclohexane
429	Nitrogen
430	Nitrogen dioxide
431	Nitrogen oxide
432	Nitrogen trifluoride
433	Nitroglycerine
434	Nitropropane-1
435	Nitropropane-2
436	Nitrosodimethyl amine
437	Nonane
438	Norbormide
439	O-Cresol
440	O-Nitro Toluene
441	O-Toludine
442	O-Xylene
443	O/P Nitroaniline
444	Oleum
445	OO Diethyl S ethylsulph methyl phos
446	OO Diethyl S propythiomethyl phosdithioate
447	OO Diethyl S ethyl sulphinylmethyl phosphorothioate
448	OO Diethyl S ethylsulphonylmethyl phosphorothioate
449	OO Diethyl S ethylthiomethyl phosphorothioate
450	Organo rhodium complex
451	Orotic acid
452	Osmium tetroxide
453	Oxabain
454	Oxamyl
455	Oxetane, 3, 3, -bis (Chloromethyl)
456	Oxidiphenoxarsine

<i>Sl.No.</i> (1)	<i>List of Hazardous Chemicals.</i> (2)
457	Oxydisulfoton
458	Oxygen (liquid)
459	Oxygen disfluoride
460	Ozone
461	P-nitrophenol
462	Paraffin
463	Paraoxon (Diethyl 4 Nitrophenyl phosphate)
464	Paraquat
465	Paraquat methosulphate
466	Parathion
467	Parathion methyl
468	Paris green
469	Penta borane
470	Pentachloroethane
471	Pentachlorophenol
472	Pentabromophenol
473	Pentachloro naphthalene
474	Pentadecylamine
475	Pentaerythritol tetra nitrate
476	Pentane
477	Pentamone
478	Perechloric acid
479	Perchloroethylene
480	Peroxyacetic acid
481	Phenol
482	Phenol 2,2-thiobis (4,6-Dichloro)
483	Phenol, 2,2-thiobis (4Chloro 6 methyl phenol)
484	Phenol, 3-(1methyl ethyl)-methylcarbamate
485	Phenyl hydrazine hydrochloride
486	Phenyl mercury acetate
487	Phenyl silatrane
488	Phenyl thiourea
489	Phenylene p-diamine
490	Phorate
491	Phosazetin
492	Phosfolan
493	Phosgene
494	Phosmet
495	Phosphamidon

<i>Sl.No.</i> (1)	<i>List of hazardous Chemicals.</i> (2)
496	Phosphine
497	Phosphoric acid
498	Phosphoric acid dimethyl (4-methyl thio) phenyl
499	Phosphorothioic acid dimethyl S (2-Bis) ester
500	Phosphorothioic acid methyl (ester)
501	Phosphorothioic acid OO Dimethyl S-(2methyl)
502	Phosphorotioic methyl ethyl ester '
503	Phosphorous
504	Phosphorous oxychloride
505	Phosphorous Pentaoxide
506	Phosphorous trichloride
507	Phosphorous pentachloride
508	Phthalic anhydride
509	Phylloquinone
510	Physostigmine
511	Physostigmine Salicylate (1:1)
512	Picric acid (2, 4, 6-trinitrophenol)
513	Picrotoxin
514	Piperdine
515	Piprotal
516	Pirinifos-ethyl
517	Plationus chloride
518	Platinum tetrachloride
519	Potassium arsenite
520	Potassium chlorate
521	Potassium cyanide
522	Potassium hydroxide
523	Potassuim nitride
524	Potassiuim nitrite
525	Potassium peroxide
526	Potassium silver cyanide
527	Powdered metals and mixtures
528	Promecarb
529	Promurit
530	Propanesultone
531	Propargyl alcohol
532	Propargyl bromide
533	Propen-2-chloro-1, 3-diol-dio diacetate
534	Propiolactone beta

<i>Sl.No.</i> (1)	<i>List of hazardous Chemicals.</i> (2)
535	Propionitrile
536	Propionitrile, 3-chloro
537	Propiophenone, 4-amino
538	Propyl chloroformate
539	Propylene dichloride
540	Propylene glycol, allylether
541	Propylene imine
542	Propylene oxide
543	Prothoate
544	Pseudosumene
545	Pyrazoxon
546	Pyrene
547	Pyridine
548	Pyridine, 2-methyl-3-vinyl
549	Pyridine, 4-nitro-1-oxide
550	Pyridine, 4-nitro-1-oxide
551	Pyriminil
552	Quinaliphos
553	Quinone
554	Rhodium trichloride
555	Salcomine
556	Sarin
557	Selenious acid
558	Selenium Hexafluoride
559	Selenium Oxychloride
560	Semicarbazide hydrochloride
561	Silane (4 amino butyl) diethoxy-meth
562	Sodium
563	Sodium anthra-quinone-1-sulphonate
564	Sodium arsenate
565	Sodium arsenite
566	Sodium azide
567	Sodium Cacodylate
568	Sodium chlorate
569	Sodium cyanide
570	Sodium Fluoro-acetate
571	Sodium hydroxide
572	Sodium penta chloro-phenate
573	Sodium picramate
574	Sodium selenate

<i>Sl.No.</i> (1)	<i>List of hazardous Chemicals.</i> (2)
575	Sodium selenite
576	Sodium sulphide
577	Sodium tellorite
578	Stannane acetoxo triphenyl
579	Stibine (Antimony hydride)
580	Strychnine
581	Strychnine sulphate
582	Styphinic acid (2, 4, 6 trinitroresocinol)
583	Styrene
584	Sulphotec
585	Sulphoxide, 3-chloropropyloctyl
586	Sulphur dichloride
587	Sulphur dioxide
588	Sulphur monochloride
589	Sulphur tetrafluoride
590	Sulphur trioxide
591	Sulphuric acid
592	Tellurium (Powder)
593	Tellurium hexafluoride
594	TEPP (Tetraethyl pyrophosphate)
595	Terbufos
596	Tert-Butyl alcohol
597	Tert-Butyl peroxy carbonate
598	Tert-Butyl peroxy isopropyl
599	Tert-Butyl peroxyacetate (Con \geq 70%)
600	Tert-Butyl peroxyvalate (Con $>$ 77%)
601	Tert-Butyperoxyiso-butyrate
602	Tetra hydrofuran
603	Tetramethyl lead
604	Tetranitromethane
605	Tetra-chlorodibenzo-p dioxin, 1,2,3,7,8 (TCDD)
606	Tetraethyl lead
607	Tetrafluori thyne
608	Tetramethylene disulphotetramine
609	Thallic oxide
610	Thallium carbonate
611	Thallium sulphate
612	Thallos chloride
613	Thallos malonate
614	Thallos sulphate

<i>Sl.No.</i> (1)	<i>List of hazardous Chemicals.</i> (2)
615	Thiocarbaz ide
616	Thiocynamicacid, 3 - (Benzothiazolyethio) methyl
617	Thiofamox
618	Thiometon
619	Thionazin
620	Thionyl chloride
621	Thiophenol
622	Thiosemicarbazide
623	Thiourea (2-chloro-phenyl)
624	Thiourea (2-methyl phenyl)
625	Triplate (2,4-dimethyl-1,3-di-thiolane)
626	Titanium powder
627	Titanium tetra-chloride
628	Toluene
629	Toluene 2,4,di isocyanate
630	Toluene 2, 6-di isocyanate
631	Trans-1, 4-di chloro - butane
632	Tri nitro anisole
633	Tri (Cyclohexyl) methylstannyl 1,2,4 triazole
634	Tri (Cyclohexyl) stannyl-1H 1, 2, 3-triazole
635	Triaminotrinitrobenzene
636	Triamphos
637	Triazophos
638	Tribromophenol 2, 4, 6
639	Trichloro naphthalene
640	Trichloro chloromethyl silane
641	Trichloroacetyl chloride
642	Trichlorodichlorophenylsilane
643	Trichlororethyl silane
644	Trichloroethylene
645	Trichloromethane sulphenyl chloride
646	Trichloronate
647	Trichlorophenol 2, 3, 6
648	Trichlorophenol 2, 4, 5
649	Trichlorophenyl silane
650	Trichlorophon
651	Triethoxy silane
652	Triethylamine
653	Triethylene melamine

Sl.No. (1)	<i>List of hazardous Chemicals.</i> (2)
654	Trimethyl chlorosilane
655	Trimethyl propane phosphate
656	Trimethyl tin chloride
657	Trinitro aniline
658	Trinitro benzene
659	Trinitro benzoic acid
660	Trinitrophenetole
661	Trinitro-m-cresol
662	Trinitro toluene
663	Tri orthocresyl phosphate
664	Tri phenyl tin chloride
665	Tris (2-chloroethyl)amine
666	Turpentine
667	Uranium and its compounds
668	Valino mycin
669	Vanadium pentaoxide
670	Vinyl acetate monomer
671	Vinyl bromide
672	Vinyl Chloride
673	Vinyl Cyclohexane dioxide
674	Vinyl fluoride
675	Vinyl norbornene
676	Vinyl toluene
677	Vinylidene chloride
678	Warfarin
679	Warfarin Sodium
680	Xylene dichloride
681	Xylidine
682	Zinc dichloro pentanitrite
683	Zinc phosphide
684	Zirconium and compounds.”;

(5) in **SCHEDULE 2**, in the tabular column,—

(a) Under the heading “Threshold Quantities (tonnes)”,

(i) for the entry relating to column (3), the following entry shall be substituted, namely:—

“For application of rules 4, 5, 7, 8, 13 and 15”;

(ii) For the entry relating to column (4), the following entry shall be substituted, namely:—

“For application of rules 10, 11 and 12”;

- (b) for serial number 7 and the entries relating thereto, the following serial number and entries shall, respectively, be substituted, namely:—

“7, Extremely flammable liquids as defined in Schedule 1, Paragraph (b)(2) 5,000 5,000”;

- (c) after serial number 27 and the entries relating thereto, the following serial numbers and entries shall, respectively, be added, namely:—

“28. Very Highly Flammable liquids as defined in Schedule 1, Paragraph (b) (3) 7,000 7,000

29. Highly Flammable liquids as defined in Schedule 1, paragraph (b) (4) 10,000 10,000

30. Flammable liquids as defined in Schedule 1, Paragraph (b)(5)” 15,000 1,00,000;

- (6) in **SCHEDULE 3**,—

(a) in PART I, in the tabular column, under the Sub-reading “Group 4 - *Explosive Chemicals*”, against serial numbers 150, 163, 164 and 165, in column (1), for the entry, in column (3), the entry “100 kg” shall, respectively, be substituted;—

(b) for PART II and the entries relating thereto, the following part and the entries relating thereto shall be substituted, namely:—

“PART II.

Classes of substances as defined in PART-I, SCHEDULE 1 and not specifically named in PART-I.

Serial No.	Classes of Chemicals	Threshold Quantity	
		For application of rules 4,5,7,8 (tonnes)	For application of rules 10, 11 and 12 (tonnes)
(1)	(2)	(3)	(4)
	<i>Group 5-Flammable Chemicals:</i>		
1	Flammable gases	15	200
2	Extremely flammable liquids	1,000	5,000
3	Very highly flammable liquids	1,500	10,000
4	Highly flammable liquids which remains liquids under pressure	25	200
5	Highly flammable liquids	2,500	20,000
6	Flammable liquids	5,000	50,000

- (7) in SCHEDULE 4, in item 4 for the expression “production, processing”, the expression “production, processing, use” shall be substituted.

MOHAN PYARE,
Principal Secretary to Government.