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No. S 779

FIRE SAFETY ACT (CHAPTER 109A)

FIRE SAFETY (PETROLEUM AND FLAMMABLE MATERIALS — EXEMPTION) (AMENDMENT) ORDER 2020

In exercise of the powers conferred by section 53 of the Fire Safety Act, the Minister for Home Affairs makes the following Order:

Citation and commencement

1. This Order is the Fire Safety (Petroleum and Flammable Materials — Exemption) (Amendment) Order 2020 and comes into operation on 14 September 2020.

Deletion and substitution of Second Schedule

2. The Second Schedule to the Fire Safety (Petroleum and Flammable Materials — Exemption) Order (O 4) is deleted and the following Schedule substituted therefor:

“SECOND SCHEDULE

Paragraph 4(1)

QUANTITIES OF FLAMMABLE MATERIAL NOT REQUIRING STORAGE LICENCE

<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
1. Acetal	20 L	20 L
2. Acetaldehyde diethylacetal	20 L	20 L
3. Acetoin (3-Hydroxybutanone)	20 L	20 L
4. Acetone	20 L	20 L
5. Acetyl chloride	20 L	20 L
6. Acetyl methyl carbinol (Butanolone)	20 L	20 L

7. Acetylene (gas)	10 kg	10 kg
8. Acetylpropionyle	20 L	20 L
9. Acryloyl chloride	20 L	20 L
10. The following Aldehydes:		
(a) Acetaldehyde	20 L	20 L
(b) Acrolein	20 L	20 L
(c) Butyraldehyde	20 L	20 L
(d) 2-Ethylbutyraldehyde	20 L	20 L
(e) Glycidaldehyde	20 L	20 L
(f) Isobutyraldehyde	20 L	20 L
(g) Methacrylaldehyde, stabilised	20 L	20 L
(h) Alpha-methylvaleraldehyde	20 L	20 L
(i) Propionaldehyde	20 L	20 L
(j) Valeraldehyde	20 L	20 L
11. Allyl acetate	20 L	20 L
12. Allyl bromide	20 L	20 L
13. Allyl chloride	20 L	20 L
14. Allyl formate	20 L	20 L
15. Allyl iodide	20 L	20 L
16. Allyl methacrylate	20 L	20 L
17. Aluminium	0	10 kg
18. Aluminium ferrosilicon powder	0	5 kg
19. Aluminium hydride	0	5 kg
20. The following Amines:		
(a) Aminopropyldimethylamine (Dimethylaminopropylamine - DMAPA)	20 L	20 L
(b) Amylamines	20 L	20 L
(c) n-Butylamine	20 L	20 L
(d) Diallylamine	20 L	20 L
(e) Diethylamine	20 L	20 L
(f) Diisopropylamine	20 L	20 L
(g) Dimethyl-N-propylamine	20 L	20 L

(h) Dimethylamine (gas)	20 kg	20 kg
(i) Dimethylamine (liquid)	20 L	20 L
(j) 1,3-Dimethylbutylamine	20 L	20 L
(k) Dipropylamine	20 L	20 L
(l) Ethylamine (gas)	20 kg	20 kg
(m) Ethylamine (liquid)	20 L	20 L
(n) Isobutylamine	20 L	20 L
(o) Isopropylamine	20 L	20 L
(p) Methylamine (gas)	20 kg	20 kg
(q) Methylamine (liquid)	20 L	20 L
(r) N-Methylbutylamine	20 L	20 L
(s) Propylamine	20 L	20 L
(t) Triethylamine	20 L	20 L
(u) Trimethylamine (gas)	20 kg	20 kg
(v) Trimethylamine (liquid)	20 L	20 L
21. Amyl acetate	20 L	20 L
22. Amyl butyrate	20 L	20 L
23. Amyl chlorides	20 L	20 L
24. Amyl mercaptan	20 L	20 L
25. Amyl nitrites	20 L	20 L
26. Azobis (dimethylvaleronitrile)	3 kg	3 kg
27. Azobis (methylpropionitrile), Azobis-isobutyronitrile	3 kg	3 kg
28. Azodi (methylbutyronitrile)	3 kg	3 kg
29. Barium	0	5 kg
30. Benzotrifluoride	20 L	20 L
31. Bis-cyclopentadienyl iron (Ferrocene)	0	5 kg
32. 1-Bromobutane	20 L	20 L
33. Bromomethylpropane	20 L	20 L
34. 2-Bromopentane	20 L	20 L
35. Bromopropanes	20 L	20 L
36. 3-Bromopropyne	20 L	20 L
37. Butanedione	20 L	20 L

38. Butanol (Butyl alcohol)	20 L	20 L
39. Butyl acetate	20 L	20 L
40. n-Butyl formate	20 L	20 L
41. Butyl acrylate	20 L	20 L
42. Tert-butylamine	20 L	20 L
43. Butyl butyrate	20 L	20 L
44. Butyl isobutyrate	20 L	20 L
45. Butyl isovalerate (Butyl 3-Methylbutanoate)	20 L	20 L
46. Butyl nitrites	20 L	20 L
47. 1,2-Butylene oxide	20 L	20 L
48. Butyryl chloride	20 L	20 L
49. Calcium	0	5 kg
50. Calcium carbide	2 kg	2 kg
51. Calcium hydride	0	5 kg
52. Calcium silicide	0	5 kg
53. Carbon disulfide	0	10 L
54. Carbonyl iron powder	20 kg	20 kg
55. Chlorobutane	20 L	20 L
56. Chloroprene	20 L	20 L
57. 2-Chloropropane	20 L	20 L
58. 2-Chloropropene	20 L	20 L
59. The following Chlorosilanes:		
(a) Dichlorosilane (gas)	20 kg	20 kg
(b) Dichlorosilane (liquid)	20 L	20 L
(c) Dimethyldichlorosilane	20 L	20 L
(d) Ethyltrichlorosilane	20 L	20 L
(e) Methyltrichlorosilane	20 L	20 L
(f) Trichlorosilane	20 kg	20 kg
(g) Trichlorosilane (liquid)	20 L	20 L
(h) Trimethylchlorosilane	20 L	20 L
(i) Vinyltrichlorosilane, stabilised	20 L	20 L
60. Crestyl methyl ether para (1-methoxy-4-methylbenzene)	20 L	20 L

61. Cyclohexanone	20 L	20 L
62. Cyclohexyl acetate	20 L	20 L
63. Cyclopentanone	20 L	20 L
64. 1,2-Di-(dimethylamino)ethane	20 L	20 L
65. Diacetone alcohol	20 L	20 L
66. Dibutylsulfure	20 L	20 L
67. 1,1-Dichloroethane	20 L	20 L
68. 1,2-Dichloroethylene	20 L	20 L
69. 1,2-Dichloropropane	20 L	20 L
70. Dichloropropene	20 L	20 L
71. Dicyclohexylammonium nitrite	0	5 kg
72. Diethoxymethane	20 L	20 L
73. 3,3-Diethoxypropene	20 L	20 L
74. Diethyl carbonate	20 L	20 L
75. Diethyl ketone	20 L	20 L
76. Diethylhydroxylamine	20 L	20 L
77. Diethynyltertramethylsiloxane (1,3-Diethynyl-1,1,3,3-tetramethylsiloxane)	20 L	20 L
78. 2,3-Dihydropyran	20 L	20 L
79. Diisobutyl ketone	20 L	20 L
80. 1,2-Dimethoxyethane	20 L	20 L
81. 1,1-Dimethoxyethane	20 L	20 L
82. Dimethyl carbonate	20 L	20 L
83. Dimethyl disulfide	20 L	20 L
84. Dimethyl ether (gas)	20 kg	20 kg
85. Dimethyl hexynol	20 L	20 L
86. Dimethyl sulfide	20 L	20 L
87. Dimethyl trisulfide	20 L	20 L
88. 2,3-Dimethylbutane	20 L	20 L
89. Dimethylcyclohexane	20 L	20 L
90. Dimethyldiethoxysilane	20 L	20 L
91. Dimethyldioxane	20 L	20 L
92. Dimethylformamide	20 L	20 L

93. 2,3-Dimethylpyrazine	20 L	20 L
94. Dioxane	20 L	20 L
95. Dioxolane	20 L	20 L
96. Esters	20 L	20 L
97. Ethanol	20 L	20 L
98. The following Ethers:		
(a) Allyl ethyl ether	2.5 L	2.5 L
(b) 2-Bromoethyl ethyl ether	2.5 L	2.5 L
(c) Butyl methyl ether	2.5 L	2.5 L
(d) Butyl vinyl ether, stabilised	2.5 L	2.5 L
(e) Chloromethyl ethyl ether	2.5 L	2.5 L
(f) Diallylether	2.5 L	2.5 L
(g) Diethyl ether	2.5 L	2.5 L
(h) Diisopropyl ether	2.5 L	2.5 L
(i) Di-n-propyl ether	2.5 L	2.5 L
(j) Divinyl ether, stabilised	2.5 L	2.5 L
(k) Ethyl butyl ether	2.5 L	2.5 L
(l) Ethyl methyl ether (gas)	2.5 kg	2.5 kg
(m) Ethyl propyl ether	2.5 L	2.5 L
(n) Methyl tert-butyl ether	2.5 L	2.5 L
(o) Methyl propyl ether	2.5 L	2.5 L
(p) Perfluoro (ethyl vinyl ether) (gas)	2.5 kg	2.5 kg
(q) Perfluoro (methyl vinyl ether) (gas)	2.5 kg	2.5 kg
(r) Vinyl ethyl ether, stabilised	2.5 L	2.5 L
(s) Vinyl isobutyl ether, stabilised	2.5 L	2.5 L
(t) Vinyl methyl ether, stabilised (gas)	2.5 kg	2.5 kg
99. Ethoxy propanol	20 L	20 L
100. Ethyl 2-Methyl-3-Pentenoate	20 L	20 L
101. Ethyl 3-ethoxypropionate	20 L	20 L
102. Ethyl acetate	20 L	20 L
103. Ethyl acrylate	20 L	20 L
104. Ethyl borate	20 L	20 L
105. Ethyl butyrate	20 L	20 L

106. Ethyl caproate (Ethyl hexanoate)	20 L	20 L
107. Ethyl crotonate	20 L	20 L
108. Ethyl formate	20 L	20 L
109. Ethyl isobutyrate	20 L	20 L
110. Ethyl isocyanate	20 L	20 L
111. Ethyl isovalerate	20 L	20 L
112. Ethyl lactate	20 L	20 L
113. Ethyl methacrylate	20 L	20 L
114. Ethyl methyl butanoate	20 L	20 L
115. Ethyl methyl butyrate	20 L	20 L
116. Ethyl nitrite	20 L	20 L
117. Ethyl propionate	20 L	20 L
118. Ethyl silicate	20 L	20 L
119. Ethylbenzene	20 L	20 L
120. Ethylene glycol diethyl ether	20 L	20 L
121. Ethylene glycol dimethyl ether	20 L	20 L
122. Ethylene glycol monoethyl ether acetate	20 L	20 L
123. Ethyloxypropanoic acid, ethyl ester	20 L	20 L
124. 1-Ethylpiperidine	20 L	20 L
125. Eucalyptol (1,8-Cineol)	20 L	20 L
126. Fluorobenzene	20 L	20 L
127. Fluorotoluene	20 L	20 L
128. Furan	20 L	20 L
129. Heptaldehyde (Aldehyde C7)	20 L	20 L
130. Heptanone	20 L	20 L
131. Hexadiene	20 L	20 L
132. Hexamethyldisiloxane	20 L	20 L
133. Hexamethyleneimine	20 L	20 L
134. Hexenal Bionat K	20 L	20 L
135. Hexenone (4-Hexene-3-one)	20 L	20 L
136. Hexenyl formate	20 L	20 L
137. Hexyl acetate	20 L	20 L
138. 2-Iodobutane	20 L	20 L

139. Iodomethylpropane	20 L	20 L
140. Isoamyl acetate	20 L	20 L
141. Isoamyl alcohol	20 L	20 L
142. Isoamyl butyrate	20 L	20 L
143. Isoamyl propionate	20 L	20 L
144. Isobutyl acetate	20 L	20 L
145. Isobutyl formate	20 L	20 L
146. Isobutyl isobutyrate	20 L	20 L
147. Isobutyl isocyanate	20 L	20 L
148. Isobutyl isovalerate	20 L	20 L
149. Isobutyryl chloride	20 L	20 L
150. Isopentyl formate	20 L	20 L
151. Isopentylate	20 L	20 L
152. Isoprene	20 L	20 L
153. Isopropanol (Isopropyl alcohol)	20 L	20 L
154. Isopropenoxytrimethyl silane	20 L	20 L
155. Isopropenyl acetate	20 L	20 L
156. Isopropyl acetate	20 L	20 L
157. Isopropyl isobutyrate	20 L	20 L
158. Isopropyl isocyanate	20 L	20 L
159. Isopropyl nitrate	20 L	20 L
160. Isopropyl propionate	20 L	20 L
161. Lithium aluminum hydride	0	5 kg
162. Lithium borohydride	0	5 kg
163. Lithium ferrosilicon	0	5 kg
164. Lithium hydride	0	5 kg
165. Lutidine	20 L	20 L
166. Magnesium	5 kg	10 kg
167. Mercaptobutanone	20 L	20 L
168. Methanol	20 L	20 L
169. Methoxy acetoxyp propane	20 L	20 L
170. Methoxy methylethyl acetate	20 L	20 L

171. Methoxy propanol acetate (1-methoxy-2-propanol Acetate)	20 L	20 L
172. Methoxy propyl acetate	20 L	20 L
173. Methoxybutanol	20 L	20 L
174. Methoxymethyl isocyanate	20 L	20 L
175. Methoxypropanol	20 L	20 L
176. Methyl acetate	20 L	20 L
177. Methyl acrylate	20 L	20 L
178. Methyl allyl chloride	20 L	20 L
179. Methyl amyl ketone	20 L	20 L
180. Methyl butanol	20 L	20 L
181. Methyl butane	20 L	20 L
182. Methyl butyraldehyde	20 L	20 L
183. Methyl butyrate	20 L	20 L
184. Methyl caproate (Methyl hexanoate)	20 L	20 L
185. Methyl Ethyl Ketone (MEK)	20 L	20 L
186. Methyl formate	20 L	20 L
187. Methyl heptenone	20 L	20 L
188. Methyl hexanone (Methyl isoamyl ketone)	20 L	20 L
189. Methyl isobutyl carbinol	20 L	20 L
190. Methyl isobutyl ketone (Methyl pentanone)	20 L	20 L
191. Methyl isopropenyl ketone	20 L	20 L
192. Methyl isovalerate	20 L	20 L
193. Methyl methacrylate monomer	20 L	20 L
194. Methyl methoxypropionate	20 L	20 L
195. Methyl methylbutyrate	20 L	20 L
196. Methyl propionate	20 L	20 L
197. Methyl propyl ketone	20 L	20 L
198. Methylal	20 L	20 L
199. 3-Methylbutan-2-one	20 L	20 L
200. 2-Methylfuran	20 L	20 L
201. n-methylmorpholine	20 L	20 L
202. Methylpentadiene	20 L	20 L

203. 1-Methylpiperidine	20 L	20 L
204. Methyltetrahydrofuran	20 L	20 L
205. Methyltriethoxysilane	20 L	20 L
206. Methyltrimethoxysilane	20 L	20 L
207. The following Nitriles:		
(a) Acetonitrile	20 L	20 L
(b) Acrylonitrile, stabilised	20 L	20 L
(c) Butyronitrile	20 L	20 L
(d) 2-Dimethylaminoacetonitrile	20 L	20 L
(e) Isobutyronitrile	20 L	20 L
(f) Methacrylonitrile, stabilised	20 L	20 L
(g) Propionitrile	20 L	20 L
208. Nitroglycerin mixture, desensitised, liquid, with not more than 30% nitroglycerin, by mass	20 L	20 L
209. Nitroglycerin mixture, desensitised, solid, with more than 2% but not more than 10% nitroglycerin, by mass	10 kg	10 kg
210. Nitroglycerin solution in alcohol, more than 1% but not more than 5% nitroglycerin	20 L	20 L
211. Nitroglycerin solution in alcohol, not more than 1% nitroglycerin	20 L	20 L
212. Nitromethane	20 L	20 L
213. 1-Nitropropane (Nitropropane)	20 L	20 L
214. Octamethyltrisiloxane	20 L	20 L
215. Octanal (Aldehyde C8)	20 L	20 L
216. Pentanol	20 L	20 L
217. Pentyl acetate	20 L	20 L
218. Phosphorus pentasulfide	0	5 kg
219. Phosphorus sesquisulfide	0	5 kg
220. Phosphorus	0	5 kg
221. Potassium	0	5 kg
222. Potassium borohydride	0	5 kg
223. Potassium sulfide	25 kg	25 kg
224. Prenyl acetate	20 L	20 L

225. Propanethiol	20 L	20 L
226. n-Propanol	20 L	20 L
227. Propionyl chloride	20 L	20 L
228. n-Propyl acetate	20 L	20 L
229. Propyl butyrate	20 L	20 L
230. Propyl chloride	20 L	20 L
231. Propyl formate	20 L	20 L
232. Propylene glycol monoethyl ether	20 L	20 L
233. Propylene glycol monomethyl ether	20 L	20 L
234. Propylene glycol monomethyl ether acetate	20 L	20 L
235. n-Propyl nitrate	20 L	20 L
236. Propylene oxide	20 L	20 L
237. Propyleneimine	20 L	20 L
238. Pyridine	20 L	20 L
239. Pyrrolidine	20 L	20 L
240. Sodium	0	5 kg
241. Sodium borohydride	0	5 kg
242. Sodium ethylate	20 L	20 L
243. Sodium hydrosulfide	50 kg	50 kg
244. Sodium sulfide	25 kg	25 kg
245. Strontium	0	5 kg
246. Terpeneol	20 L	20 L
247. Tetraethyl orthosilicate	20 L	20 L
248. Tetraethylsilicate	20 L	20 L
249. Tetrahydrofuran	20 L	20 L
250. 1,2,3,6-Tetrahydropyridine	20 L	20 L
251. Tetrahydrothiophene	20 L	20 L
252. Tetrakis (dimethylamino) hafnium	20 L	20 L
253. Tetrakis (dimethylamino) Titanium	20 kg	20 kg
254. Tetrakis (dimethylamino) Titanium (liquid)	20 L	20 L
255. Tetramethylsilane	20 L	20 L
256. Thioacetic acid	20 L	20 L
257. Thiophene	20 L	20 L

258. Tdifluoromethyl propanol	20 L	20 L
259. Titanium hydride	0	5 kg
260. Trans-2 Hexenal	20 L	20 L
261. Triethylboron	20 L	20 L
262. Triethyl borate	20 L	20 L
263. Triethyl silane	20 L	20 L
264. Triisopropyl borate	20 L	20 L
265. Trimethyl gallium	20 kg	20 kg
266. Trimethyl gallium (liquid)	20 L	20 L
267. Trimethyl borate	20 L	20 L
268. Trimethyl silane (gas)	20 kg	20 kg
269. Tris(isopropylcyclopentadienyl) Lanthanum	20 L	20 L
270. Vinyl acetate	20 L	20 L
271. Vinyl butyrate	20 L	20 L
272. Vinylidene chloride	20 L	20 L
273. Vinyltrimethoxysilane	20 L	20 L
274. Zinc	10 kg	10 kg
275. Zirconium hydride	0	5 kg
276. Zirconium powder	0	5 kg

[G.N. Nos. S 547/2013; S 189/2014]

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PANG KIN KEONG
Permanent Secretary,
Ministry of Home Affairs,
Singapore.

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