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**No. S 189**

**FIRE SAFETY ACT  
(CHAPTER 109A)**

**FIRE SAFETY  
(PETROLEUM AND FLAMMABLE MATERIALS —  
EXEMPTION) (AMENDMENT)  
ORDER 2014**

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

**Citation and commencement**

1.—(1) This Order may be cited as the Fire Safety (Petroleum and Flammable Materials — Exemption) (Amendment) Order 2014 and shall, with the exception of paragraph 2, come into operation on 17th March 2014.

(2) Paragraph 2 shall be deemed to have come into operation on 1st September 2013.

**Amendment of paragraph 6**

2. Paragraph 6 of the Fire Safety (Petroleum and Flammable Materials — Exemption) Order (O 4) is amended by deleting “61°C” and substituting “60°C”.

**Deletion and substitution of Second Schedule**

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

## “SECOND SCHEDULE

Paragraph 4(1)

QUANTITIES OF FLAMMABLE MATERIAL  
NOT REQUIRING STORAGE LICENCE

<i>S/N</i>	<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	10 kg	10 kg
8.	Acryloyl chloride	20 L	20 L
9.	Aldehydes	20 L	20 L
10.	Allyl acetate	20 L	20 L
11.	Allyl bromide	20 L	20 L
12.	Allyl chloride	20 L	20 L
13.	Allyl formate	20 L	20 L
14.	Allyl iodide	20 L	20 L
15.	Allyl methacrylate	20 L	20 L
16.	Aluminium alkyl halides	0	0
17.	Aluminium alkyl hydrides	0	0
18.	Aluminium alkyls	0	0
19.	Aluminium borohydride	0	0
20.	Aluminium carbide	0	0
21.	Aluminium ferrosilicon powder	0	5 kg
22.	Aluminium hydride	0	5 kg
23.	Aluminium powders, uncoated	0	10 kg
24.	Amines	20 L	20 L
25.	2-Amino-4,6-Dinitrophenol, wetted [with not less than 20% water, by mass]	0	0
26.	Ammonium picrate	0	0

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
27.	Amyl acetate	20 L	20 L
28.	Amyl butyrate	20 L	20 L
29.	Amyl chlorides	20 L	20 L
30.	Amyl mercaptan	20 L	20 L
31.	Amyl nitrites	20 L	20 L
32.	Azobis (dimethylvaleronitrile)	3 kg	3 kg
33.	Azobis (methylpropionitrile), Azobis-isobutyronitrile	3 kg	3 kg
34.	Azodi (methylbutyronitrile)	3 kg	3 kg
35.	Azodicarbonamide	0	0
36.	Barium	0	5 kg
37.	Barium azide, wetted [with not less than 50% water, by mass]	0	0
38.	Benzotrifluoride	20 L	20 L
39.	Bis-cyclopentadienyl iron (Ferrocene)	0	5 kg
40.	Boron trifluoride dimethyl etherate	0	0
41.	1-Bromobutane	20 L	20 L
42.	Bromomethylpropane	20 L	20 L
43.	2-Bromopentane	20 L	20 L
44.	Bromopropanes	20 L	20 L
45.	3-Bromopropyne	20 L	20 L
46.	Bromotrifluoroethylene	0	0
47.	Butadienes	0	0
48.	Butanedione	20 L	20 L
49.	Butane	0	0
50.	Butanol (Butyl alcohol)	20 L	20 L
51.	Butene	0 kg	0 kg
52.	Butyl acetate	20 L	20 L
53.	n-Butyl formate	20 L	20 L
54.	Butyl acrylate	20 L	20 L
55.	Tert-butylamine	20 L	20 L

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
56.	Butyl butyrate	20 L	20 L
57.	Tert-butyl hypochlorite	0	0
58.	Butyl isobutyrate	20 L	20 L
59.	Butyl isovalerate (Butyl 3-Methylbutanoate)	20 L	20 L
60.	Butyl nitrites	20 L	20 L
61.	1,2-Butylene oxide	20 L	20 L
62.	Butyryl chloride	20 L	20 L
63.	Calcium	0	0
64.	Calcium carbide	2 kg	2 kg
65.	Calcium dithionite (Calcium hydrosulfite)	0	0
66.	Calcium hydride	0	5 kg
67.	Calcium or Calcium alloys	0	5 kg
68.	Calcium silicide	0	5 kg
69.	Carbon disulfide	0	10 L
70.	Carbonyl iron powder	20 L	20 L
71.	Cerium	0	0
72.	Cesium (Caesium)	0	0
73.	Chlorobutane	20 L	20 L
74.	Chloroprene	20 L	20 L
75.	2-Chloropropane	20 L	20 L
76.	2-Chloropropene	20 L	20 L
77.	Chlorosilanes, except Hexachlorodisilane, Phenyltrichlorosilane and Tetrachlorosilane	20 L	20 L
78.	1-Chloro-1, 1-difluoroethane	0 L	0 L
79.	Compressed Natural Gas (CNG)	0 kg	0 kg
80.	Crestyl methyl ether para (1-methoxy-4-methylbenzene)	20 L	20 L
81.	Cyclobutane	0	0
82.	Cyclohexanone	20 L	20 L

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
83.	Cyclohexyl acetate	20 L	20 L
84.	Cyclopentanone	20 L	20 L
85.	Cyclopropane	0	0
86.	Decaborane	0	0
87.	Deuterium	0	0
88.	1,2-Di-(dimethylamino)ethane	20 L	20 L
89.	Diacetone alcohol	20 L	20 L
90.	1,1-Dichloroethane	20 L	20 L
91.	1,2-Dichloroethylene	20 L	20 L
92.	1,2-Dichloropropane	20 L	20 L
93.	Dichloropropene	20 L	20 L
94.	Dicyclohexylammonium nitrite	0	5 kg
95.	Diethoxymethane	20 L	20 L
96.	3,3-Diethoxypropene	20 L	20 L
97.	Diethyl carbonate	20 L	20 L
98.	Diethyl ketone	20 L	20 L
99.	Diethyl sulfide	0	0
100.	Diethylhydroxylamine 85%	20 L	20 L
101.	Diethylzinc	0	0
102.	Diethynyltetramethyldisiloxane (1,3-Diethynyl-1,1,3,3-tetramethyldisiloxane)	20 L	20 L
103.	Difluoroethane	0	0
104.	1,1-Difluoroethylene	0	0
105.	Difluoromethane	0	0
106.	2,3-Dihydropyran	20 L	20 L
107.	Diisobutyl ketone	20 L	20 L
108.	1,2-Dimethoxyethane	20 L	20 L
109.	1,1-Dimethoxyethane	20 L	20 L
110.	Dimethyl carbonate	20 L	20 L
111.	Dimethyl disulfide	20 L	20 L

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
112.	Dimethyl ether	20 L	20 L
113.	Dimethyl hexynol	20 L	20 L
114.	Dimethyl sulfide	20 L	20 L
115.	Dimethyl trisulfide	20 L	20 L
116.	2,3-Dimethylbutane	20 L	20 L
117.	Dimethylcyclohexane	20 L	20 L
118.	Dimethyldiethoxysilane	20 L	20 L
119.	Dimethyldioxane	20 L	20 L
120.	Dimethylformamide	20 L	20 L
121.	2,2-Dimethylpropane	0	0
122.	Dimethylzinc	0	0
123.	Dinitrophenol, wetted [with not less than 15% water, by mass]	0	0
124.	Dinitrophenolates, wetted [with not less than 15% water, by mass]	0	0
125.	Dinitroresorcinol, wetted [with not less than 15% water, by mass]	0	0
126.	Dioxane	20 L	20 L
127.	Dioxolane	20 L	20 L
128.	Dipicryl sulfide	0	0
129.	Esters	20 L	20 L
130.	Ethane	0	0
131.	Ethanol	20 L	20 L
132.	Ethers	2.5 L	2.5 L
133.	Ethoxy propanol	20 L	20 L
134.	Ethyl 3-ethoxypropionate	20 L	20 L
135.	Ethyl acetate	20 L	20 L
136.	Ethyl acrylate	20 L	20 L
137.	Ethyl borate	20 L	20 L
138.	Ethyl butyrate	20 L	20 L
139.	Ethyl caproate (Ethyl hexanoate)	20 L	20 L
140.	Ethyl chloride	0	0

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
141.	Ethyl crotonate	20 L	20 L
142.	Ethyl formate	20 L	20 L
143.	Ethyl isobutyrate	20 L	20 L
144.	Ethyl isocyanate	20 L	20 L
145.	Ethyl isovalerate	20 L	20 L
146.	Ethyl lactate	20 L	20 L
147.	Ethyl methacrylate	20 L	20 L
148.	Ethyl methyl butanoate	20 L	20 L
149.	Ethyl methyl butyrate	20 L	20 L
150.	Ethyl nitrite	20 L	20 L
151.	Ethyl propionate	20 L	20 L
152.	Ethyl silicate	20 L	20 L
153.	Ethylacetylene	0	0
154.	Ethylbenzene	20 L	20 L
155.	Ethylchlorosilane	0	0
156.	Ethylene	0	0
157.	Ethylene glycol diethyl ether	20 L	20 L
158.	Ethylene glycol dimethyl ether	20 L	20 L
159.	Ethylene glycol monoethyl ether acetate	20 L	20 L
160.	Ethyloxypropanoic acid, ethyl ester	20 L	20 L
161.	1-Ethylpiperidine	20 L	20 L
162.	Eucalyptol (1,8-Cineol)	20 L	20 L
163.	Ferrocenium	0	0
164.	Fluorobenzene	20 L	20 L
165.	Fluorotoluene	20 L	20 L
166.	Furan	20 L	20 L
167.	Hafnium powder	0	0
168.	Heptaldehyde (Aldehyde C7)	20 L	20 L
169.	Heptanone	20 L	20 L
170.	Hexadiene	20 L	20 L

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
171.	Hexamethyldisiloxane	20 L	20 L
172.	Hexamethyleneimine	20 L	20 L
173.	Hexenyl formate	20 L	20 L
174.	Hexyl acetate	20 L	20 L
175.	Hydrogen	0	0
176.	2-Iodobutane	20 L	20 L
177.	Iodomethylpropane	20 L	20 L
178.	Isoamyl acetate	20 L	20 L
179.	Isoamyl alcohol	20 L	20 L
180.	Isoamyl butyrate	20 L	20 L
181.	Isoamyl propionate	20 L	20 L
182.	Isobutane	0	0
183.	Isobutyl acetate	20 L	20 L
184.	Isobutyl formate	20 L	20 L
185.	Isobutyl isobutyrate	20 L	20 L
186.	Isobutyl isocyanate	20 L	20 L
187.	Isobutyl isovalerate	20 L	20 L
188.	Isobutylene	0	0
189.	Isobutyryl chloride	20 L	20 L
190.	Isopentyl formate	20 L	20 L
191.	Isopentyrate	20 L	20 L
192.	Isoprene	20 L	20 L
193.	Isopropanol (Isopropyl alcohol)	20 L	20 L
194.	Isopropenoxytrimethyl silane	20 L	20 L
195.	Isopropenyl acetate	20 L	20 L
196.	Isopropyl acetate	20 L	20 L
197.	Isopropyl isobutyrate	20 L	20 L
198.	Isopropyl isocyanate	20 L	20 L
199.	Isopropyl nitrate	20 L	20 L
200.	Isopropyl propionate	20 L	20 L
201.	Lead phosphite, dibasic	0	0



<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
202.	Lithium	0	0
203.	Lithium alkyls	0	0
204.	Lithium aluminum hydride	0	5 kg
205.	Lithium borohydride	0	5 kg
206.	Lithium ferrosilicon	0	5 kg
207.	Lithium hydride	0	5 kg
208.	Lithium nitride	0	0
209.	Lithium silicon	0	0
210.	Lutidine	20 L	20 L
211.	Magnesium alkyls	0	0
212.	Magnesium diamide	0	0
213.	Magnesium diphenyl	0	0
214.	Magnesium hydride	0	0
215.	Magnesium or Magnesium alloys	5 kg	10 kg
216.	Magnesium silicide	0	0
217.	Methane	0	0
218.	Methanol	20 L	20 L
219.	Methoxy acetoxypropane	20 L	20 L
220.	Methoxy methylethly acetate	20 L	20 L
221.	Methoxy propanol acetate (1-methoxy-2-propanol Acetate)	20 L	20 L
222.	Methoxy propyl acetate	20 L	20 L
223.	Methoxybutanol	20 L	20 L
224.	Methoxymethyl isocyanate	20 L	20 L
225.	Methoxypropanol	20 L	20 L
226.	Methyl acetate	20 L	20 L
227.	Methyl acetylene	0	0
228.	Methyl acrylate	20 L	20 L
229.	Methyl allyl chloride	20 L	20 L
230.	Methyl amyl ketone	20 L	20 L
231.	Methyl butanol	20 L	20 L

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
232.	Methyl butane	20 L	20 L
233.	Methyl butyraldehyde	20 L	20 L
234.	Methyl butyrate	20 L	20 L
235.	Methyl caproate (Methyl hexanoate)	20 L	20 L
236.	Methyl Ethyl Ketone (MEK)	20 L	20 L
237.	Methyl formate	20 L	20 L
238.	Methyl heptenone	20 L	20 L
239.	Methyl hexanone (Methyl isoamyl ketone)	20 L	20 L
240.	Methyl isobutyl carbinol	20 L	20 L
241.	Methyl isobutyl ketone (Methyl pentanone)	20 L	20 L
242.	Methyl isopropenyl ketone	20 L	20 L
243.	Methyl isovalerate	20 L	20 L
244.	Methyl magnesium bromide	0	0
245.	Methyl methacrylate monomer	20 L	20 L
246.	Methyl methoxypropionate	20 L	20 L
247.	Methyl methylbutyrate	20 L	20 L
248.	Methyl propionate	20 L	20 L
249.	Methyl propyl ketone	20 L	20 L
250.	Methylal	20 L	20 L
251.	3-Methylbutan-2-one	20 L	20 L
252.	Methyldichlorosilane	0	0
253.	Methylfluoride (Fluoromethane)	0 L	0 L
254.	2-Methylfuran	20 L	20 L
255.	n-methylmorpholine	20 L	20 L
256.	Methylpentadiene	20 L	20 L
257.	1-Methylpiperidine	20 L	20 L
258.	Methyltetrahydrofuran	20 L	20 L
259.	Methyltriethoxysilane	20 L	20 L
260.	Methyltrimethoxysilane	20 L	20 L

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
261.	Nitriles	20 L	20 L
262.	Nitrocellulose, wetted [with not less than 25% water, by mass]	0	0
263.	Nitroglycerin mixture, desensitized, liquid, with not more than 30% nitroglycerin, by mass	20 L	20 L
264.	Nitroglycerin mixture, desensitized, solid, with more than 2% but not more than 10% nitroglycerin, by mass	10 kg	10 kg
265.	Nitroglycerin solution in alcohol, more than 1% but not more than 5% nitroglycerin	20 L	20 L
266.	Nitroglycerin solution in alcohol, not more than 1% nitroglycerin	20 L	20 L
267.	Nitroguanidine, wetted [with not less than 20% water, by mass]	0	0
268.	Nitromethane	20 L	20 L
269.	1-Nitropropane (Nitropropane)	20 L	20 L
270.	p-Nitrosodimethylaniline	0	0
271.	Nitrostarch, wetted [with not less than 20% water, by mass]	0	0
272.	Octamethyltrisiloxane	20 L	20 L
273.	Octanal (Aldehyde C8)	20 L	20 L
274.	Pentaborane	0	0
275.	Pentanol	20 L	20 L
276.	Pentyl acetate	20 L	20 L
277.	1,1,1,3,3-pentafluorobutane(Pentafluorobutane)	0	0
278.	Phosphorus heptasulfide	0	0
279.	Phosphorus pentasulfide	0	5 kg
280.	Phosphorus sesquisulfide	0	5 kg
281.	Phosphorus trisulfide	0	0
282.	Phosphorus	0	5 kg

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
283.	Potassium or Potassium alloys	0	5 kg
284.	Potassium borohydride	0	5 kg
285.	Potassium dithionite (Potassium hydrosulfite)	0	0
286.	Potassium sodium alloys	0	0
287.	Potassium sulfide	25 kg	25 kg
288.	Prenyl acetate	20 L	20 L
289.	Propadiene	0	0
290.	Propane	0	0
291.	Propanethiol	20 L	20 L
292.	n-Propanol	20 L	20 L
293.	Propionyl chloride	20 L	20 L
294.	n-Propyl acetate	20 L	20 L
295.	Propyl butyrate	20 L	20 L
296.	Propyl chloride	20 L	20 L
297.	Propyl formate	20 L	20 L
298.	Propylene	0 kg	0 kg
299.	Propylene glycol monoethyl ether	20 L	20 L
300.	Propylene glycol monomethyl ether	20 L	20 L
301.	Propylene glycol monomethyl ether acetate	20 L	20 L
302.	n-Propyl nitrate	20 L	20 L
303.	Propylene oxide	20 L	20 L
304.	Propyleneimine	20 L	20 L
305.	Pyridine	20 L	20 L
306.	Pyrrolidine	20 L	20 L
307.	Rubidium	0	0
308.	Silanes	0	0
309.	Silver picrate	0	0
310.	Sodium	0	5 kg
311.	Sodium aluminum hydride	0	0

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
312.	Sodium borohydride	0	5 kg
313.	Sodium dinitro-o-cresolate, wetted [with not less than 15% water, by mass]	0	0
314.	Sodium dithionite (Sodium hydrosulfite)	0	0
315.	Sodium ethylate	20 L	20 L
316.	Sodium hydride	0	0
317.	Sodium hydrosulfide	50 kg	50 kg
318.	Sodium methylate	0	0
319.	Sodium picramate, wetted [with not less than 20% water, by mass]	0	0
320.	Sodium sulfide	25 kg	25 kg
321.	Strontium	0	5 kg
322.	Terpineol	20 L	20 L
323.	Tetraethyl orthosilicate	20 L	20 L
324.	Tetraethylsilicate	20 L	20 L
325.	Tetrafluoroethylene	0	0
326.	Tetrahydrofuran	20 L	20 L
327.	1,2,3,6-Tetrahydropyridine	20 L	20 L
328.	Tetrahydrothiophene	20 L	20 L
329.	Tetrakis (dimethylamino) Hafnium	20 L	20 L
330.	Tetrakis (dimethylamino) Titanium	20 L	20 L
331.	Tetramethylsilane	20 L	20 L
332.	Thioacetic acid	20 L	20 L
333.	Thiophene	20 L	20 L
334.	Thiourea dioxide	0	0
335.	Tifluoromethyl propanol	20 L	20 L
336.	Titanium hydride	0	5 kg
337.	Titanium powder	0	0
338.	Titanium trichloride	0	0
339.	Tributylphosphane	0	0

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
340.	Triethylboron	20 L	20 L
341.	Triethyl borate	20 L	20 L
342.	Triethyl silane	20 L	20 L
343.	1,1,1-Trifluoroethane	0	0
344.	Triisopropyl borate	20 L	20 L
345.	Trimethyl gallium	20 L	20 L
346.	Trimethyl borate	20 L	20 L
347.	Trimethyl silane	20 L	20 L
348.	Trinitrobenzene, wetted [with not less than 30% water, by mass]	0	0
349.	Trinitrobenzoic acid, wetted [with not less than 30% water, by mass]	0	0
350.	Trinitrophenol, wetted [with not less than 30% water, by mass]	0	0
351.	Trinitrotoluene, wetted [with not less than 30% water, by mass]	0	0
352.	Tris(isopropylcyclopentadienyl) Lanthanum	20 L	20 L
353.	Urea nitrate, wetted [with not less than 20% water, by mass]	0	0
354.	Vinyl acetate	20 L	20 L
355.	Vinyl acetylene	0	0
356.	Vinyl bromide	0	0
357.	Vinyl butyrate	20 L	20 L
358.	Vinyl chloride	0	0
359.	Vinyl fluoride	0	0
360.	Vinylidene chloride	20 L	20 L
361.	Vinyltrimethoxysilane	20 L	20 L
362.	Xanthates	0	0
363.	Zinc powder or Zinc dust	10 kg	10 kg
364.	Zirconium hydride	0	5 kg
365.	Zirconium picramate, wetted [with not less than 20% water, by mass]	0	0

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<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
366.	Zirconium powder	0	5 kg

[G.N. No. S 547/2013]

Made this 11th day of March 2014.

TAN TEE HOW  
*Permanent Secretary,  
Ministry of Home Affairs,  
Singapore.*

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