

**FIRE SAFETY ACT
(CHAPTER 109A, SECTION 53)**

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

ARRANGEMENT OF PARAGRAPHS

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 6. Exempt mixtures containing petroleum or flammable material or both
 7. Exemption for requirement for dispensing to be in or on licensed premises
- The Schedules
-

[16th February 2005]

Citation

1. This Order may be cited as the Fire Safety (Petroleum and Flammable Materials — Exemption) Order.

Definitions

2.—(1) In this Order, unless the context otherwise requires —

“Class III petroleum” and “cylinder” have the same meanings, respectively as in regulation 2(1) of the Fire Safety (Petroleum and Flammable Materials) Regulations (Rg 7);

[S 547/2013 wef 01/09/2013]

[Deleted by S 547/2013 wef 01/09/2013]

“eating place” means any place that is not enclosed and is used for the sale or supply, or the consumption within that place, of meals prepared at one or more individual stalls within that

place, and in which any other business carried on is ancillary and subsidiary to the provision of such meals, such as a canteen, cafeteria, food court or hawker centre, and includes such other place of a similar kind approved by the Commissioner;

“enclosed”, in relation to any place, means any place that has a ceiling or roof and is, except for doors and passageways, completely enclosed by walls or windows, whether permanently or temporarily;

“factory” has the same meaning as in the Workplace Safety and Health Act (Cap. 354A);

“restaurant” means any place that is enclosed, is used for the sale or supply and consumption within that place of meals prepared in a kitchen or in stalls set aside from the dining area in that place, and in which any other business carried on is ancillary and subsidiary to the provision of such meals;

“stall” means any table, shed or structure in, at or on which food or drink is or to be offered for sale, or from which food or drink is or to be sold, other than food or drink brought thereto in an impermeable container and offered for sale in the same container.

(2) In this Order, the symbols specified in the first column of the following table shall have the meanings specified in relation to those symbols in the second column of the table:

<i>First column</i>	<i>Second column</i>
<i>Symbol</i>	<i>Meaning</i>
L	litre
kg	kilogram

Storage of petroleum below certain quantities exempt

3. The storage or keeping of any class of petroleum —

(a) not exceeding the quantity specified in the First Schedule for that class of petroleum; and

- (b) solely for any purpose specified in the First Schedule for that class of petroleum,

shall be exempt from the requirement of a licence under section 35 of the Act and the Fire Safety (Petroleum and Flammable Materials) Regulations (Rg 7).

Storage of flammable materials below certain quantities and in certain forms exempt

4.—(1) The storage or keeping of any flammable material —

- (a) not exceeding the quantity specified in the second column of the Second Schedule for that flammable material, and solely for the purpose —

(i) of use in any process of manufacture, mixing, blending, cleaning, painting, testing or other general manufacturing process of any product, goods or materials, whether or not specified in the Third Schedule; or

(ii) of warehousing or storage for reward for persons other than the occupier of the premises used for storing; or

- (b) not exceeding the quantity specified in the third column of the Second Schedule for that flammable material, and solely for the purpose —

(i) of or for use in a hospital, nursing home, clinic, pharmacy, or such other establishment providing medical facilities; or

(ii) of or for use in any laboratory,

shall be exempt from the requirement of a licence under section 35 of the Act and the Fire Safety (Petroleum and Flammable Materials) Regulations.

(2) Notwithstanding paragraph (1), the storage or keeping in any quantity of any product specified in the Third Schedule containing any flammable material shall be exempt from the requirement of a

licence under section 35 of the Act and the Fire Safety (Petroleum and Flammable Materials) Regulations.

Exempt mixed storage of petroleum or flammable materials

5. The mixed storage or keeping of any petroleum and flammable material, or more than one flammable material, in separate containers or compartments within any premises shall be exempt from the requirement of a licence under section 35 of the Act and the Fire Safety (Petroleum and Flammable Materials) Regulations (Rg 7), if —

- (a) where all the substances are solids, their aggregate weight does not exceed 20 kg;
- (b) where all the substances are liquids, their aggregate volume does not exceed 40 L;
- (c) where all the substances are gaseous, their aggregate weight does not exceed 10 kg; or
- (d) where the substances are in mixed states, their aggregate weight does not exceed 20 kg.

Exempt mixtures containing petroleum or flammable material or both

6. The storage or keeping of any mixture with a flashpoint of more than 60°C containing either any petroleum, any one or more flammable materials, or both petroleum and any one or more flammable materials, shall be exempt from the requirement of a licence under section 35 of the Act and the Fire Safety (Petroleum and Flammable Materials) Regulations.

[S 189/2014 wef 01/09/2013]

Exemption for requirement for dispensing to be in or on licensed premises

7. For the avoidance of doubt, the dispensing of petroleum or flammable material in or on any premises shall be exempt from the requirements that dispensing be carried out in or on licensed premises and in accordance with the provisions of the storage licence for the licensed premises and the conditions specified therein (under

section 36(a) and (b) of the Act, respectively) if, throughout the duration of that dispensing, the storage or keeping of petroleum and flammable materials in or on those premises remains exempt from the requirement for a licence under section 35 of the Act and the Fire Safety (Petroleum and Flammable Materials) Regulations.

[S 547/2013 wef 01/09/2013]

FIRST SCHEDULE

Paragraph 3

QUANTITIES OF PETROLEUM NOT REQUIRING STORAGE LICENCE

1. Class O petroleum

<i>Purpose</i>	<i>Quantity</i>
(a) For private use in a private dwelling-house	Not more than 30 kg in not more than 2 cylinders
(b) For use in an eating place	Not more than 30 kg per stall in the eating place (whether occupied or not), subject to a maximum quantity of not more than 200 kg to be stored at that eating place
(c) For use in a restaurant	Not more than 200 kg
(d) For use in a factory	Not more than 300 kg per factory

2. Any other class of petroleum that is kept in air-tight containers —

<i>Purpose</i>	<i>Class I petroleum</i>	<i>Class II petroleum</i>	<i>Class III petroleum</i>
(a) For private use in a private dwelling-house or for use in any business other than in a factory	Not more than 20 L	Not more than 200 L	Not more than 1,500 L
(b) For use in a factory	Not more than 400 L	Not more than 1,000 L	Not more than 1,500 L

[S 547/2013 wef 01/09/2013]

SECOND SCHEDULE

Paragraph 4(1)

QUANTITIES OF FLAMMABLE MATERIAL
NOT REQUIRING STORAGE LICENCE

S/N	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
1.	Acetal	20 L	20 L
2.	Acetone	20 L	20 L
3.	Acetyl chloride	20 L	20 L
4.	Acetylene	10 kg	10 kg
5.	Aldehydes	20 L	20 L
6.	Allyl acetate	20 L	20 L
7.	Allyl bromide	20 L	20 L
8.	Allyl chloride	20 L	20 L
9.	Allyl formate	20 L	20 L
10.	Allyl iodide	20 L	20 L
11.	Aluminium alkyl halides	0	0
12.	Aluminium alkyl hydrides	0	0
13.	Aluminium alkyls	0	0
14.	Aluminium borohydride	0	0
15.	Aluminium carbide	0	0
16.	Aluminium ferrosilicon powder	0	5 kg
17.	Aluminium hydride	0	5 kg
18.	Aluminium powder, uncoated	0	10 kg
19.	Amines	20 L	20 L
20.	2-Amino-4,6-Dinitrophenol, wetted [with not less than 20% water, by mass]	0	0
21.	Ammonium picrate	0	0
22.	Amyl chloride	20 L	20 L
23.	Amyl nitrite	20 L	20 L
24.	Azodicarbonamide	0	0
25.	Barium	0	5 kg

SECOND SCHEDULE — *continued*

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
26.	Barium azide, wetted [with not less than 50% water, by mass]	0	0
27.	Benzotrifluoride	20 L	20 L
28.	Boron trifluoride dimethyl etherate	0	0
29.	1-Bromobutane	20 L	20 L
30.	Bromomethylpropane	20 L	20 L
31.	2-Bromopentane	20 L	20 L
32.	Bromopropanes	20 L	20 L
33.	3-Bromopropyne	20 L	20 L
34.	Bromotrifluoroethylene	0	0
35.	Butadienes	0	0
36.	Butanedione	20 L	20 L
37.	Butane	0	0
38.	Butanol	20 L	20 L
39.	Butene	0	0
40.	Butyl acetate	20 L	20 L
41.	n-Butyl formate	20 L	20 L
42.	Tert-Butyl hypochlorite	0	0
43.	Butyl nitrites	20 L	20 L
44.	1,2-Butylene oxide	20 L	20 L
45.	Butyryl chloride	20 L	20 L
46.	Calcium	0	0
47.	Calcium carbide	2 kg	2 kg
48.	Calcium dithionite (Calcium hydrosulfite)	0	0
49.	Calcium hydride	0	5 kg
50.	Calcium or Calcium alloys	0	5 kg
51.	Calcium silicide	0	5 kg
52.	Carbon disulfide	0	10 L
53.	Cerium	0	0

SECOND SCHEDULE — *continued*

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
54.	Cesium (Caesium)	0	0
55.	Chlorobutane	20 L	20 L
56.	2-Chloropropane	20 L	20 L
57.	2-Chloropropene	20 L	20 L
58.	Chlorosilanes, except — Hexachlorodisilane Phenyltrichlorosilane Tetrachlorosilane	20 L	20 L
59.	Compressed Natural Gas (CNG)	0	0
60.	Cyclobutane	0	0
61.	Cyclopropane	0	0
62.	Decaborane	0	0
63.	Deuterium	0	0
64.	1,2-Di-(dimethylamino)ethane	20 L	20 L
65.	Diacetone alcohol	20 L	20 L
66.	1,1-Dichloroethane	20 L	20 L
67.	1,2-Dichloroethylene	20 L	20 L
68.	1,2-Dichloropropane	20 L	20 L
69.	Dichloropropene	20 L	20 L
70.	Diethoxymethane	20 L	20 L
71.	3,3-Diethoxypropene	20 L	20 L
72.	Diethyl sulfide	0	0
73.	Diethylzinc	0	0
74.	2,3-Dihydropyran	20 L	20 L
75.	1,2-Dimethoxyethane	20 L	20 L
76.	1,1-Dimethoxyethane	20 L	20 L
77.	Dimethyl carbonate	20 L	20 L
78.	Dimethyl disulfide	20 L	20 L
79.	Dimethyl sulfide	20 L	20 L
80.	2,3-Dimethylbutane	20 L	20 L

SECOND SCHEDULE — *continued*

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
81.	Dimethylcyclohexane	20 L	20 L
82.	Dimethyldiethoxysilane	20 L	20 L
83.	Dimethyldioxane	20 L	20 L
84.	2,2-Dimethylpropane	0	0
85.	Dimethylzinc	0	0
86.	Dinitrophenol, wetted [with not less than 15% water, by mass]	0	0
87.	Dinitrophenolates, wetted [with not less than 15% water, by mass]	0	0
88.	Dinitroresorcinol, wetted [with not less than 15% water, by mass]	0	0
89.	Dioxane	20 L	20 L
90.	Dioxolane	20 L	20 L
91.	Dipicryl sulfide	0	0
92.	Esters	20 L	20 L
93.	Ethane	0	0
94.	Ethanol	20 L	20 L
95.	Ethers	2.5 L	2.5 L
96.	Ethyl acetate	20 L	20 L
97.	Ethyl acrylate	20 L	20 L
98.	Ethyl borate	20 L	20 L
99.	Ethyl chloride	0	0
100.	Ethyl crotonate	20 L	20 L
101.	Ethyl formate	20 L	20 L
102.	Ethyl isobutyrate	20 L	20 L
103.	Ethyl methacrylate	20 L	20 L
104.	Ethyl nitrite	20 L	20 L
105.	Ethyl propionate	20 L	20 L
106.	Ethylacetylene	0	0
107.	Ethylbenzene	20 L	20 L
108.	Ethylchlorosilane	0	0

SECOND SCHEDULE — *continued*

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
109.	Ethylene	0	0
110.	1-Ethylpiperidine	20 L	20 L
111.	Ferrocenium	0	0
112.	Fluorobenzene	20 L	20 L
113.	Fluorotoluene	20 L	20 L
114.	Furan	20 L	20 L
115.	Hafnium powder	0	0
116.	Hexadiene	20 L	20 L
117.	Hexamethyleneimine	20 L	20 L
118.	Hydrogen	0	0
119.	2-Iodobutane	20 L	20 L
120.	Iodomethylpropane	20 L	20 L
121.	Isobutyl acetate	20 L	20 L
122.	Isobutyl formate	20 L	20 L
123.	Isobutyryl chloride	20 L	20 L
124.	Isoprene	20 L	20 L
125.	Isopropanol (Isopropyl alcohol)	20 L	20 L
126.	Isopropenyl acetate	20 L	20 L
127.	Isopropyl acetate	20 L	20 L
128.	Isopropyl isobutyrate	20 L	20 L
129.	Isopropyl nitrate	20 L	20 L
130.	Isopropyl propionate	20 L	20 L
131.	Lead phosphite, dibasic	0	0
132.	Lithium	0	0
133.	Lithium alkyls	0	0
134.	Lithium aluminum hydride	0	5 kg
135.	Lithium borohydride	0	5 kg
136.	Lithium ferrosilicon	0	5 kg
137.	Lithium hydride	0	5 kg
138.	Lithium nitride	0	0

SECOND SCHEDULE — *continued*

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
139.	Lithium silicon	0	0
140.	Magnesium alkyls	0	0
141.	Magnesium diamide	0	0
142.	Magnesium diphenyl	0	0
143.	Magnesium hydride	0	0
144.	Magnesium or Magnesium alloys	5 kg	10 kg
145.	Magnesium silicide	0	0
146.	Methane	0	0
147.	Methanol	20 L	20 L
148.	Methyl acetate	20 L	20 L
149.	Methyl acetylene	0	0
150.	Methyl acrylate	20 L	20 L
151.	Methyl allyl chloride	20 L	20 L
152.	Methyl butane	20 L	20 L
153.	Methyl butyrate	20 L	20 L
154.	Methyl Ethyl Ketone (MEK)	20 L	20 L
155.	Methyl formate	20 L	20 L
156.	Methyl isovalerate	20 L	20 L
157.	Methyl magnesium bromide	0	0
158.	Methyl methacrylate monomer	20 L	20 L
159.	Methyl propionate	20 L	20 L
160.	Methylal	20 L	20 L
161.	3-Methylbutan-2-one	20 L	20 L
162.	Methyldichlorosilane	0	0
163.	2-Methylfuran	20 L	20 L
164.	n-methylmorpholine	20 L	20 L
165.	Methylpentadiene	20 L	20 L
166.	1-Methylpiperidine	20 L	20 L
167.	Methyltetrahydrofuran	20 L	20 L
168.	Nitriles	20 L	20 L

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SECOND SCHEDULE — *continued*

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
169.	Nitrocellulose, wetted [with not less than 25% water, by mass]	0	0
170.	Nitroguanidine, wetted [with not less than 20% water, by mass]	0	0
171.	Nitromethane	20 L	20 L
172.	p-Nitrosodimethylaniline	0	0
173.	Nitrostarch, wetted [with not less than 20% water, by mass]	0	0
174.	Pentaborane	0	0
175.	Pentanol	20 L	20 L
176.	Phosphorus heptasulfide	0	0
177.	Phosphorus pentasulfide	0	5 kg
178.	Phosphorus sesquisulfide	0	5 kg
179.	Phosphorus trisulfide	0	0
180.	Phosphorus	0	5 kg
181.	Potassium or Potassium alloys	0	5 kg
182.	Potassium borohydride	0	5 kg
183.	Potassium dithionite (Potassium hydrosulfite)	0	0
184.	Potassium sodium alloys	0	0
185.	Potassium sulfide	25 kg	25 kg
186.	Propadiene	0	0
187.	Propane	0	0
188.	Propanethiol	20 L	20 L
189.	n-Propanol	20 L	20 L
190.	Propionyl chloride	20 L	20 L
191.	n-Propyl acetate	20 L	20 L
192.	Propyl chloride	20 L	20 L
193.	Propyl formate	20 L	20 L
194.	Propylene	0	0
195.	n-Propyl nitrate	20 L	20 L

SECOND SCHEDULE — *continued*

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
196.	Propylene oxide	20 L	20 L
197.	Propyleneimine	20 L	20 L
198.	Pyridine	20 L	20 L
199.	Pyrrolidine	20 L	20 L
200.	Rubidium	0	0
201.	Silane	0	0
202.	Silver picrate	0	0
203.	Sodium	0	5 kg
204.	Sodium aluminum hydride	0	0
205.	Sodium borohydride	0	5 kg
206.	Sodium dinitro-o-cresolate, wetted [with not less than 15% water, by mass]	0	0
207.	Sodium dithionite (Sodium hydrosulfite)	0	0
208.	Sodium hydride	0	0
209.	Sodium hydrosulfide	50 kg	50 kg
210.	Sodium methylate	0	0
211.	Sodium picramate, wetted [with not less than 20% water, by mass]	0	0
212.	Sodium sulfide	25 kg	25 kg
213.	Strontium	0	5 kg
214.	Tetrahydrofuran	20 L	20 L
215.	1,2,3,6-Tetrahydropyridine	20 L	20 L
216.	Tetrahydrothiophene	20 L	20 L
217.	Tetramethylsilane	20 L	20 L
218.	Thioacetic acid	20 L	20 L
219.	Thiophene	20 L	20 L
220.	Thiourea dioxide	0	0
221.	Titanium hydride	0	5 kg
222.	Titanium powder	0	0

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SECOND SCHEDULE — *continued*

<i>S/N</i>	<i>Flammable Materials</i>	<i>General manufacturing, etc., purpose</i>	<i>Medical or laboratory purpose</i>
223.	Titanium trichloride	0	0
224.	Tributylphosphane	0	0
225.	Triisopropyl borate	20 L	20 L
226.	Trimethyl borate	20 L	20 L
227.	Trinitrobenzene, wetted [with not less than 30% water, by mass]	0	0
228.	Trinitrobenzoic acid, wetted [with not less than 30% water, by mass]	0	0
229.	Trinitrophenol, wetted [with not less than 30% water, by mass]	0	0
230.	Trinitrotoluene, wetted [with not less than 30% water, by mass]	0	0
231.	Urea nitrate, wetted [with not less than 20% water, by mass]	0	0
232.	Vinyl acetate	20 L	20 L
233.	Vinyl acetylene	0	0
234.	Vinyl bromide	0	0
235.	Vinyl butyrate	20 L	20 L
236.	Vinyl chloride	0	0
237.	Vinyl fluoride	0	0
238.	Vinylidene chloride	20 L	20 L
239.	Xanthalates	0	0
240.	Zinc powder or Zinc dust	10 kg	10 kg
241.	Zirconium hydride	0	5 kg
242.	Zirconium picramate, wetted [with not less than 20% water, by mass]	0	0
243.	Zirconium powder	0	5 kg

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THIRD SCHEDULE

Paragraph 4

**EXEMPT PRODUCTS CONTAINING
FLAMMABLE MATERIAL**

1. Adhesives
2. Cigarette lighters and portable gas lighters
3. Cosmetic and beauty products including hair styling products
4. Food and beverages including beer, wine and liquor
5. Insecticides and pesticides
6. Lacquer solvents
7. Lubricants
8. Medicine
9. Paints
10. Pharmaceutical products
11. Varnishes.

[G.N. No. S 82/2005]

LEGISLATIVE HISTORY
FIRE SAFETY (PETROLEUM AND FLAMMABLE MATERIALS
— EXEMPTION) ORDER
(CHAPTER 109A, O 4)

This Legislative History is provided for the convenience of users of the Fire Safety (Petroleum and Flammable Materials — Exemption) Order. It is not part of this Order.

1. G. N. No. S 82/2005 — Fire Safety (Petroleum and Flammable Materials — Exemption) Order 2005

Date of commencement : 16 February 2005

2. 2008 Revised Edition — Fire Safety (Petroleum and Flammable Materials — Exemption) Order

Date of operation : 2 June 2008

3. G.N. No. S 547/2013 — Fire Safety (Petroleum and Flammable Materials — Exemption) (Amendment) Order 2013

Date of commencement : 1 September 2013

4. G.N. No. S 189/2014 — Fire Safety (Petroleum and Flammable Materials — Exemption) (Amendment) Order 2014

Date of commencement : 1 September 2013