

1970 No. 1945

**PETROLEUM**

**The Petroleum (Corrosive Substances) Order 1970**

*Made* - - - 17th December 1970

*Coming into Operation* 1st January 1971

At the Court at Buckingham Palace, the 17th day of December 1970

Present,

The Queen's Most Excellent Majesty in Council

Her Majesty, in exercise of the powers conferred on Her by section 19 of the Petroleum (Consolidation) Act 1928(a), is pleased, by and with the advice of Her Privy Council, to order, and it is hereby ordered, as follows:—

1.—(1) This Order may be cited as the Petroleum (Corrosive Substances) Order 1970 and shall come into operation on 1st January 1971, except that for the purpose of making any regulations under section 6 of the Petroleum (Consolidation) Act 1928 as applied by this Order to come into operation on or after the said date this Order shall come into operation forthwith.

(2) The Interpretation Act 1889(b) shall apply to the interpretation of this Order as it applies to the interpretation of an Act of Parliament.

2.—(1) Sections 6, 13(2) and (3), 14, 15, 16 and 18 of the Petroleum (Consolidation) Act 1928 shall apply to—

(a) the substances specified in the first column of Part I or II of Schedule 1 to this Order, being substances which are known also by the name or names (if any) mentioned in the second column thereof; and

(b) any solution or mixture which contains—

(i) any quantity of hydrofluoric acid; or

(ii) 5 per cent. or more by weight of any other substance or substances so specified in Part I of the said Schedule.

(2) In the application of the provisions of the said section 13(2) by virtue of this Order, those provisions shall have effect subject to the following modifications, that is to say:—

(a) for the words “occurs by explosion or by fire” there shall be substituted the words “as a result of corrosion occurs”;

(b) the words “, if the explosion or fire involved petroleum-spirit,” shall be omitted;

(c) the words “where the petroleum-spirit carried or loaded on, or unloaded from, the ship or vehicle is or was for use only on that ship or vehicle or” shall be omitted.

---

(a) 1928 c. 32.

(b) 1889 c. 63.

3. In the Schedule to the Petroleum (Inflammable Liquids and Other Dangerous Substances) Order 1947(a) as amended (b), the substances specified in Schedule 2 to this Order shall be omitted.

4. Nothing in this Order shall render invalid any order, notice, direction or warrant made, given or issued, or other thing done, under any provision of the Petroleum (Consolidation) Act 1928 as applied by the Petroleum (Inflammable Liquids and Other Dangerous Substances) Order 1947, and any such order, notice, direction, warrant or thing which could have been made, given, issued or done under any such provision as applied by this Order and in force or having effect at the date when this Order comes into operation shall be deemed to have been made, given, issued or done under that provision as applied by this Order.

*W. G. Agnew.*

Article 2

SCHEDULE 1

CORROSIVE SUBSTANCES TO WHICH SECTIONS 6, 13(2) AND (3), 14, 15, 16 AND 18 APPLY

<i>Name of substance</i>	<i>Alternative name or names</i>
PART I	
Acetic anhydride	{ Acetic oxide Acetyl oxide Ethanoic anhydride
Acetyl bromide	
Acetyl chloride	
Acetyl iodide	
Allyl chloroformate	Allyl chlorocarbonate
Allyl iodide	
Allyltrichlorosilane	
Aluminium bromide	
Aluminium chloride	
Ammonium hydrogen difluoride	{ Ammonium acid fluoride Ammonium bifuoride
Anisoyl chloride	
Antimony pentachloride	Antimony perchloride
Antimony pentafluoride	
Antimony trichloride	Antimony chloride
Benzoyl chloride	
Benzyl chloroformate	Benzyl chlorocarbonate
Boron trichloride	
Boron trifluoride, acetic acid complex	
Boron trifluoride, propionic acid complex	
Bromine	
Bromine pentafluoride	
Bromine trifluoride	
Bromoacetic acid	
Butyltrichlorosilane	
Calcium hydrogen sulphite	Calcium bisulphite
Chlorine trifluoride	
Chloroacetic acid	Monochloroacetic acid
Chloroacetyl chloride	
Chlorophenyltrichlorosilane	
Chlorosulphonic acid	
Chromic acid	

(a) S.R. & O. 1947/1443 (Rev. XVIII, p. 5: 1947 I, p. 1677).

(b) S.I. 1968/570 (1968 I, p. 1300).

SCHEDULE 1—*continued*

<i>Name of substance</i>	<i>Alternative name or names</i>
PART I— <i>continued</i>	
Chromic fluoride	Chromium fluoride
Chromyl chloride	Chromium oxychloride
Cyclohexenyltrichlorosilane	
Cyclohexyltrichlorosilane	
Dibenzylidichlorosilane	Di(phenyl methyl)dichlorosilane
Dichloroacetic acid	
Dichloroacetyl chloride	
Dichlorophenyltrichlorosilane	
Diethyldichlorosilane	
Difluorophosphoric acid	
Diphenyldichlorosilane	
Dodecyltrichlorosilane	
Ethylphenyldichlorosilane	
Ferric chloride	{ Ferric perchloride Iron chloride Iron perchloride Iron sesquichloride Iron trichloride
Fluoroboric acid	Hydrofluoboric acid
Fluorophosphoric acid	
Fluorosilicic acid	{ Hydrofluosilicic acid Hydrosilicofluoric acid Silicofluoric acid
Fluorosulphonic acid	Hydrogen carboxylic acid
Formic acid	
Fumaroyl chloride	{ trans-Butenedioyl chloride Fumaryl chloride
Hexadecyltrichlorosilane	
Hexafluorophosphoric acid	
Hexyltrichlorosilane	
Hydriodic acid	Hydrogen iodide, solutions
Hydrobromic acid	Hydrogen bromide, solutions
Hydrochloric acid	{ Hydrogen chloride, solutions Muriatic acid
Hydrofluoric acid	Hydrogen fluoride, solutions
4-Hydroxybenzenesulphonic acid	{ Phenolsulphonic acid Sulphocarboic acid
Iodine chloride	
Mercaptoacetic acid	Thioglycollic acid
Methacrylic acid	
Methylphenyldichlorosilane	
Nitric acid	
Nitrohydrochloric acid	{ Aqua regia Nitromuriatic acid
Nonyltrichlorosilane	
Octadecyltrichlorosilane	
Octyltrichlorosilane	
Oleum	{ Pyrosulphuric acid Sulphuric acid, fuming

SCHEDULE 1—*continued*

<i>Name of substance</i>	<i>Alternative name or names</i>
PART I— <i>continued</i>	
Pentyltrichlorosilane	Amyltrichlorosilane
Phenyltrichlorosilane	
Phosphorus pentachloride	{ Phosphoric pentachloride Phosphoric perchloride
Phosphorus pentoxide	{ Phosphoric anhydride Phosphoric oxide
Phosphorus tribromide	Phosphorous bromide
Phosphorus trichloride	Phosphorous chloride
Phosphoryl bromide	Phosphorus oxybromide
Phosphoryl chloride	Phosphorus oxychloride
Pivaloyl chloride	Trimethylacetyl chloride
Potassium hydrogen difluoride	{ Potassium bifluoride Potassium acid fluoride Potassium hydrogen fluoride
Potassium hydroxide	{ Caustic potash Potash lye
Potassium oxide	
Potassium sulphide	
Propionyl chloride	Propanoyl chloride
Propyltrichlorosilane	
Pyrosulphuryl chloride	Disulphuryl chloride
Selenic acid	
Silicon tetrachloride	
Soda lime	
Sodium aluminate	
Sodium hydrogen difluoride	{ Sodium bifluoride Sodium acid fluoride
Sodium hydrogen sulphite	Sodium bisulphite
Sodium hydroxide	{ Caustic lye Caustic soda Soda lye
Sodium oxide	
Stannic chloride	{ Tin chloride Tin tetrachloride
Stannic chloride pentahydrate	
Sulphur dichloride	
<i>d</i> /Sulphur dichloride	{ Sulphur chloride Sulphur <i>monochloride</i>
Sulphuric acid	Oil of vitriol
Sulphur trioxide	
Sulphurous acid	
Sulphuryl chloride	Sulphuric oxychloride
Tetramethylammonium hydroxide	
Thionyl chloride	
Thiophosphoryl chloride	Phosphorus sulphochloride
Titanium tetrachloride	Titanic chloride
Titanium trichloride	Titanous chloride
Trichloroacetic acid	
Trichloroacetyl chloride	

SCHEDULE 1—*continued**Name of substance**Alternative name or names*PART I—*continued*Vanadium oxytrichloride  
Vanadium tetrachloride

Zinc chloride

## PART II

Hydrazine (anhydrous); and aqueous solutions containing more than 50 per cent. by weight of hydrazine

Lead sulphate (containing more than 3 per cent. by weight of free acid)

Perchloric acid (containing not more than 50 per cent. by weight of acid)

Sodium chlorite (solutions containing more than 5 per cent. by weight of available chlorine)

Sodium hypochlorite (solutions containing more than 5 per cent. by weight of available chlorine)

{ Bleach liquor  
Hypochlorite solutions

Sodium sulphide (containing more than 30 per cent. by weight of water)

## SCHEDULE 2

## Article 3

CORROSIVE SUBSTANCES TO BE OMITTED FROM THE SCHEDULE TO THE PETROLEUM (INFLAMMABLE LIQUIDS AND OTHER DANGEROUS SUBSTANCES) ORDER 1947

Acetic acid of 60 per cent. strength and over

Acetic anhydride

Acetyl chloride

Aluminium chloride (anhydrous)

Ammonium bifluoride

Antimony pentachloride

Benzoyl chloride

Benzyl chloride

Bromine

Caustic potash solution of 25 per cent. strength and over

Caustic soda solution of 25 per cent. strength and over

Chlor-sulphonic acid

Chromic acid

Formic acid

Hydrobromic acid

Hydrochloric acid of 16 per cent. strength and over

Hydrochloric acid and nitric acid mixtures

Hydrofluoric acid

Mono-chlor-acetic acid

Nitric acid of 22 per cent. strength and over

Phosphorus oxychloride

Phosphorus trichloride

Potassium bifluoride

SCHEDULE 2—*continued*

<i>Name of substance</i>	<i>Alternative name or names</i>
Sodium bifluoride	
Stannic chloride (anhydrous)	
Sulphur dichloride	
Sulphur monochloride	
Sulphuric acid of specific gravity greater than 1.40	
Sulphuric acid and nitric acid mixtures	
Sulphuryl chloride	
Thionyl chloride	
Titanium tetrachloride	

## EXPLANATORY NOTE

*(This Note is not part of the Order.)*

The Petroleum (Inflammable Liquids and Other Dangerous Substances) Order 1947 applied sections 13(2) and (3), 14, 15, 16 and 18 of the Petroleum (Consolidation) Act 1928 to the substances specified in the Schedule to that Order, including certain corrosives.

The present Order makes fresh provision in respect of the application of these provisions to corrosives and, as respects those specified in Schedule 2, provides that the Order of 1947 shall cease to have effect (Article 3).

The corrosives to which the provisions are applied comprise the substances specified in Part I or II of Schedule 1 (Article 2(1)(a)) and any solution or mixture containing hydrofluoric acid or 5% or more by weight of any other substance specified in Part I of Schedule 1 (Article 2(1)(b)). Under the provisions as applied the Secretary of State is empowered to make regulations as to the conveyance of the corrosives by road and for protecting persons and property from danger in connection with such conveyance. In addition, the provisions as applied require notice of certain accidents in connection with the corrosives to be given to the Secretary of State, empower him to direct an inquiry to be made in regard thereto, make provision in regard to inquests and confer certain powers on magistrates' courts and on government inspectors in relation to the corrosives.

SI 1970/1945  
ISBN 0-11-001945-8

