

1974. No. 307

PETROLEUM

Organic Peroxides

ORDER, DATED 3RD DECEMBER 1974, MADE BY THE SECRETARY OF STATE UNDER SECTION 19 OF THE PETROLEUM (CONSOLIDATION) ACT (NORTHERN IRELAND) 1929.

In exercise of the powers conferred by section 19 of the Petroleum (Consolidation) Act (Northern Ireland) 1929(a) (hereinafter referred to as "the Act") and now vested in me by section 40 of and Schedule 5 to the Northern Ireland Constitution Act 1973(b) and of all other powers enabling me I hereby make the following Order:

Citation and commencement

1.—(1) This Order may be cited as the Petroleum (Organic Peroxides) Order (Northern Ireland) 1974 and shall come into operation on 1st January 1975.

(2) In this Order "mixture" includes mixtures of two or more solids, mixtures of two or more liquids, mixtures of solids with liquids and solids dissolved in liquids.

Application of the Act

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

- (a) any substance specified in the first column of Part I of the Schedule (in respect of which alternative names are in some cases set out in the second column thereof); and
- (b) subject to paragraph (2) any mixture containing aggregate 5% or more by weight of substance so specified.

(2) Paragraph (1)(b) shall not apply to any mixture specified in Part II of the Schedule.

(3) In the application of section 13(2) of the Act by virtue of this Order, it shall have effect subject to the following modification, that is to say:—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.

Dated this 3rd day of December 1974.

M. Rees,
One of Her Majesty's Principal
Secretaries of State.

SCHEDULE

PART I

Organic peroxides 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>
Acetyl acetone peroxide	3,5-Dimethyl-3, 5-dihydroxy-dioxolane-1,2
Acetyl benzoyl peroxide	
Acetyl cyclohexane sulphonyl peroxide	
Acetyl peroxide	Diacetyl peroxide
Benzoyl peroxide	Dibenzoyl peroxide
n-Butyl-4,4-bis (tert butylperoxy) valerate	3, 3-Di(tert butylperoxy) butane carboxylic acid n-butyl ester
tertButyl cumyl peroxide	tertButyl cumene peroxide tertButyl dimethyl benzyl peroxide tertButyl peroxyisopropyl benzene
bis(4-tertButyl cyclohexyl perdicarbonate)	bis(4-tertButyl cyclohexyl) percarbonate
tertButyl diperphthalate	Ditertbutyl diperphthalate
tertButyl hydroperoxide	2-Hydroperoxy isobutane
tertButyl monoperphtalate	
tertButyl peracetate	
tertButyl perbenzoate	
tertButyl perisobutyrate	
n-Butyl perdicarbonate	n-Butyl percarbonate
tertButyl perdiethylacetate	tertButyl peroxydiethylacetate
tertButyl permaleate	tertButyl monopermaleate tertButylperoxy maleic acid Monotertbutyl permaleate
tertButyl peroxide	Ditertbutyl peroxide
2,2-bis(tertButylperoxy) Butane	2,2-Di(tertbutylperoxy) butane
tertButyl peroxy-2-ethyl hexanoate	tertButyl peroctoate tertButyl peroxy-2-ethyl hexoate
1-3bis(tertButyl peroxyisopropyl) benzene	
1,4-bis(tertButyl peroxyisopropyl) benzene	
1,1-bis(tertButylperoxy)3,3,5-trimethyl-cyclohexane	1,1-Di(tertbutylperoxy)3,3,5-trimethyl-cyclohexane
tertButylperoxy-3,5,5-trimethyl hexanoate	tertButyl perisononanoate tertButylperoxy-3,5,5-trimethyl hexoate
tertButyl perpivalate	
tertButyl isopropyl percarbonate	
paraChlorobenzoyl peroxide	Di(4-chlorobenzoyl) peroxide p,p-Dichlorobenzoyl peroxide
Cumene hydroperoxide	Cumyl hydroperoxide a,a-Dimethylbenzyl hydroperoxide 2-Phenylisopropyl hydroperoxide
Cyclohexanone peroxide	Dicyclohexanone peroxide
Decanoyl peroxide	Di-n-decanoyl peroxide
Diacetone alcohol peroxide	Acetone alcohol peroxide
Ditert amyl peroxide	
Dibenzyl perdicarbonate	Dibenzyl peroxydicarbonate
Di-secbutyl perdicarbonate	Di-secbutyl peroxydicarbonate
2,2-bis (4,4-Ditertbutylperoxy cyclohexyl) propane	

<i>Name of substance</i>	<i>Alternative name or names</i>
Dicetyl perdicarbonate	Dicetyl peroxydicarbonate
2,4-Dichlorobenzoyl peroxide	bis-2,4-Dichlorobenzoyl peroxide
Dicumyl peroxide	Di-a,a-dimethyl benzyl peroxide
Dicyclohexyl perdicarbonate	bis-Dicyclohexyl peroxydi- carbonate
2,5-Dimethyl-2,5-bis(tertbutylperoxy hexyne-3	
2,5-Dimethyl-2,5-dihydroperoxy hexane	2, 5-Dimethylhexane-2, 5-dihydroperoxide
2,5-Dimethylhexane-2,5-diperbenzoate	(2,5-Di (benzoylperoxy)2,5- dimethyl hexane (2,5-Dimethyl-2,5-bis (benzoyl- peroxy) hexane
Diisopropyl benzene hydroperoxide	isoPropylcumyl hydroperoxide
Di-n-propyl perdicarbonate	Di-n-propyl peroxydicarbonate
2-Ethyl hexyl perdicarbonate	Di-2-ethyl hexyl perdicarbonate
3,3,6,6,9,9-Hexamethyl-1, 2, 4, 5- tetroxonane	
bis(1-Hydroxy cyclohexyl) peroxide	1,1Dihydroxy dicyclohexyl peroxide
Lauroyl peroxide	{ Dilauroyl peroxide bisDodecanoyl peroxide
paraMenthane hydroperoxide	paraMenthanyl hydroperoxide
Methyl isobutyl ketone peroxide	{ isoButyl methyl ketone peroxide 4-Methylpentane-2-one peroxide
Methyl ethyl ketone peroxide	Butanone peroxide
Nonanoyl peroxide	{ Ethyl methyl ketone peroxide isoNonanoyl peroxide bis3,5,5-Trimethyl hexanoyl) peroxide
Octanoyl peroxide	{ Capryloyl peroxide Caprylyl peroxide Octoyl peroxide
Pelargonyl peroxide	n-Nonanoyl peroxide
Peracetic acid	Acetyl hydroperoxide
Propionyl peroxide	Dipropionyl peroxide
isoPropyl perdicarbonate	Diisopropyl peroxydicarbonate
Succinic acid peroxide	{ Disuccinic acid peroxide Peroxy disuccinic acid Succinoyl peroxide
2,6,6-Trimethyl norpinanyl hydroperoxide	Pinane hydroperoxide

PART II

Organic peroxide mixtures excluded from Article 2(1)(b)

- Benzoyl peroxide in a mixture containing not more than 35 per cent by weight of that substance, the remainder being inert solids.
- 1,3-bis(tertButyl peroxyisopropyl) benzene and 1,4-bis(tertbutyl peroxyisopropyl) benzene in a mixture containing in total not more than 40 per cent by weight of those substances, the remainder being inert solids.
- Cumene hydroperoxide in a solution consisting of inert solvent and not more than 82 per cent by weight of that substance.
- Cyclohexanone peroxide in a mixture containing not more than 30 per cent by weight of that substance, the remainder being inert solids.
- Dicumyl peroxide in a mixture containing not more than 40 per cent by weight of that substance, the remainder being inert solids.
- Pelargonyl peroxide in a solution consisting of inert solvent and not more than 75 per cent by weight of that substance.

EXPLANATORY NOTE

(This note is not part of the Order, but is intended to indicate its general purport.)

This Order applies certain provisions of the Petroleum (Consolidation) Act (Northern Ireland) 1929 to the organic peroxides specified in Part I of the Schedule, and also, with certain exceptions, to any solution or mixture containing 5% or more weight of any of those substances.

Under the provisions as applied the Department of the Environment for Northern Ireland is empowered to make regulations as to the conveyance of the organic peroxides 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 organic peroxides to be given to the Department, empower the Department to direct an enquiry to be made in regard thereto, make provision in regard to inquests and confer certain powers on a court of formal investigation and on government inspectors in relation to the organic peroxides.