II

(Acts whose publication is not obligatory)

COMMISSION

COMMISSION DIRECTIVE

of 18 April 1984

adapting Council Directive 78/631/EEC on the approximation of the laws of the Member States relating to the classification, packaging and labelling of dangerous preparations (pesticides)

(84/291/EEC)

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community,

Having regard to Council Directive 78/631/EEC of 26 June 1978 on the approximation of the laws of the Member States relating to the classification, packaging and labelling of dangerous preparations (pesticides) (1), as last amended by Directive 81/187/EEC (2), and in particular Article 11 (1) thereof,

Whereas Article 11 (1) of Directive 78/631/EEC provides that a list of active substances with indications of their conventional LD_{50} and LC_{50} values (Annex III) and an updating of the list of active substances set out in Annex II shall be drawn up in accordance with the procedure laid down in Article 21 of Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances (3), as last amended by Directive 83/467/EEC (4);

Whereas the provisions of this Directive are in accordance with the opinion of the Committee on the Adaptation to Technical Progress of the Directives concerning the Removal of Technical Barriers to Trade in Dangerous Substances and Preparations,

HAS ADOPTED THIS DIRECTIVE:

Article 1

Directive 78/631/EEC is hereby amended as follows:

1. Point 5 'List of active substances, divided into classes and subclasses' of Annex II is replaced by Annex I to this Directive.
2. Annex III is replaced by Annex II to this Directive.

Article 2

The Member States shall adopt and publish by 30 April 1985 the provisions necessary to comply with this Directive and shall forthwith inform the Commission thereof. They shall implement such provisions from 31 October 1985 at the latest.

Article 3

This Directive is addressed to the Member States.

Done at Brussels, 18 April 1984.

For the Commission

Karl-Heinz NARJES

Member of the Commission

(1) OJ No L 206, 29. 7. 1978, p. 13.
(2) OJ No L 88, 2. 4. 1981, p. 29.
(3) OJ No 196, 16. 8. 1967, p. 1.
(4) OJ No L 257, 16. 9. 1983, p. 1.

ANNEX I

'5. LIST OF ACTIVE SUBSTANCES, DIVIDED INTO CLASSES AND SUBCLASSES

The substances bearing the indication (NT) cannot be transferred into other classes.

CLASS I/a

No in Directive 67/548/EEC	Nomenclature according to Directive 67/548/EEC	
006-008-00-0	Antu	(NT)
015-056-00-1	Azinphos-ethyl	
015-039-00-9	Azinphos-methyl	
006-029-00-5	Dioxacarb	
006-026-00-9	Carbofuran	
015-071-00-3	Chlorfenvinphos	
606-014-00-9	Chlorophacinone	(NT)
015-038-00-3	Coumaphos	
607-059-00-7	Coumatetralyl	
613-004-00-8	Crimidine	(NT)
015-070-00-8	Cyanthoate	(NT)
	Cycloheximide	(NT)
015-028-00-9	Demeton-O	(NT)
015-029-00-4	Demeton-S	(NT)
015-088-00-6	Dialifos	(NT)
015-073-00-4	Dicrotophos	
015-061-00-9	Dimefox	(NT)
015-063-00-X	Dioxathion	
609-020-00-X	DNOC	
015-060-00-3	Disulfoton	(NT)
602-051-00-X	Endrin	
015-036-00-2	EPN	
	Ethoprophos	
015-090-00-7	Fensulfothion	(NT)
607-078-00-0	Fluenetil	(NT)
616-002-00-5	Fluoroacetamide	
015-091-00-2	Fonofos	
602-053-00-0	Isobenzan	(NT)
006-009-00-6	Isolan	
015-094-00-9	Mephosfolan	
015-095-00-4	Methamidophos	
015-069-00-2	Methidathion	
	Methomyl	
	Mevinphos	(NT)
015-072-00-9	Monocrotophos	
614-001-00-4	Nicotine	
650-004-00-7	Norbormide	(NT)
015-034-00-1	Parathion	(NT)
015-035-00-7	Parathion-methyl	(NT)
015-033-00-6	Phorate	(NT)
	Phospholan	
015-022-00-6	Phosphamidon	
	Promurit	(NT)
015-032-00-0	Prothoate	
015-026-00-8	Schradan	
614-003-00-5	Strychnine	
015-027-00-3	Sulfotep	(NT)
015-025-00-2	TEPP	(NT)
	Thionazin	(NT)
015-024-00-7	Triamiphos	
015-098-00-0	Trichloronate	
607-056-00-0	Warfarin	(NT)
602-049-00-9	Dieldrin	
604-002-00-8	Pentachlorophenol	
602-008-00-5	Tetrachloromethane	(NT)
602-002-00-3	Bromomethane	(NT)

No in Directive 67/548/EEC	Nomenclature according to Directive 67/548/EEC	
006-003-00-3	Carbon disulphide	(NT)
015-004-00-8	Aluminium phosphide	(NT)
015-006-00-9	Zinc phosphide	(NT)
602-010-00-6	1,2-Dibromoethane	(NT)
603-023-00-X	Ethylene oxide	(NT)

CLASS I/b

No in Directive 67/548/EEC	Nomenclature according to Directive 67/548/EEC
605-008-00-3	2-Propenal (Acrolein)
602-048-00-3	Aldrin
603-015-00-6	2-Propen-1-ol
006-018-00-5	Aminocarb
015-064-00-5	Bromophos-ethyl
	Crotoxyphos
015-044-00-6	Carbophenothion
015-086-00-5	Coumithoate
015-031-00-5	Demeton-S-methyl
015-078-00-1	Demeton-S-methyl sulphone
015-019-00-X	Dichlorvos
006-040-00-5	Dimetilan
609-025-00-7	Dinoseb
609-026-00-2	Salts and esters of dinoseb
609-030-00-4	Dinoterb
609-031-00-X	Salts and esters of dinoterb
607-055-00-5	Endothal-sodium
015-049-00-3	Endothion
611-003-00-7	Fenaminosulf
015-045-00-1	Mecarbam
015-066-00-6	Omethoate
	Heptachlor epoxide
006-023-00-2	Methiocarb
006-037-00-9	Promecarb

CLASS I/c

No in Directive 67/548/EEC	Nomenclature according to Directive 67/548/EEC
608-006-00-0	Bromoxynil
602-044-00-1	Camphechlor
606-019-00-6	Chlordecone
015-085-00-X	Chlorphonium
015-084-00-4	Chlorpyrifos
613-013-00-7	Cyanazine
602-045-00-7	DDT
015-030-00-X	Demeton-O-methyl
602-021-00-6	1,2-Dibromo-3-chloropropane
006-010-00-1	Dimetan
006-028-00-X	Dinobuton
006-029-00-5	Dioxacarb
650-008-00-9	Drazoxolon
602-052-00-5	Endosulfan
015-047-00-2	Ethion
015-048-00-8	Fenthion
050-003-00-6	Fentin acetate
050-004-00-1	Fentin hydroxide
602-046-00-2	Heptachlor
608-007-00-6	Ioxynil
602-043-00-6	Lindane
615-002-00-2	Methyl isothiocyanate
015-099-00-6	Pirimiphos-ethyl
006-016-00-4	Propoxur
015-050-00-9	Thiometon
015-059-00-8	Vamidothion

CLASS II/a

No in Directive 67/548/EEC	Nomenclature according to Directive 67/548/EEC
612-052-00-7	2-Aminobutane
006-011-00-7	Carbaryl
650-007-00-3	Chlordimeform
607-039-00-8	2,4-D
006-019-00-0	Di-allate
015-068-00-7	Dichlofenthion
015-089-00-1	Ethoate-methyl
613-015-00-8	Fenazaflor
015-057-00-7	Formothion
607-079-00-6	Kelevan
080-003-00-1	Mercurous chloride
613-018-00-4	Morfamquat, and salts
006-014-00-3	Nabam
015-097-00-5	Phenthoate
015-101-00-5	Phosmet
015-040-00-4	Diazinon
	Ioxynil octanoate

CLASS II/b

No in Directive 67/548/EEC	Nomenclature according to Directive 67/548/EEC
015-080-00-2	Amidithion
602-047-00-8	Chlordane
607-074-00-9	Chlorfenac
015-087-00-0	Cyanophos
050-002-00-0	Cyhexatin
613-008-00-X	Dazomet
613-021-00-0	Dithianon
015-054-00-0	Fenitrothion
605-005-00-7	Metaldehyde
015-055-00-6	Naled
607-041-00-9	2,4,5-T
607-042-00-4	Salts and esters of 2,4,5-T
006-005-00-4	Thiram
015-021-00-0	Trichlorphon
609-024-00-1	Binapacryl
015-051-00-4	Dimethoate

CLASS II/c

No in Directive 67/548/EEC	Nomenclature according to Directive 67/548/EEC
015-079-00-7	Acephate
006-025-00-3	Allethrin
616-004-00-6	Allidochlor
	Barium carbonate
015-083-00-9	Bensulide
603-049-00-1	Chlorfenethol
616-005-00-1	Chlorthiamid
607-057-00-6	Coumachlor
015-074-00-X	Crufomate
607-083-00-8	2,4-DB
602-012-00-7	1,2-Dichloroethane
607-045-00-0	Dichlorprop
603-044-00-4	Dicofol
607-047-00-1	Fenoprop
	Malathion containing more than 1,8 % isomalathion

No in Directive 67/548/EEC	Nomenclature according to Directive 67/548/EEC
607-051-00-3	MCPA
607-052-00-9	Salts and esters of MCPA
607-053-00-4	MCPB
607-054-00-X	Salts and esters of MCPB
607-049-00-2	Mecoprop
006-038-00-4	Sulfallate
	Molinate
613-020-00-5	Tridemorph

CLASS II/d

No in Directive 67/548/EEC	Nomenclature according to Directive 67/548/EEC
	Alachlor
613-010-00-0	Ametryne
006-020-00-6	Barban
613-012-00-1	Bentazone
006-036-00-3	Benzthiazuron
609-032-00-5	Bromofenoxim
	Bromophos
607-075-00-4	Chlorfenprop-methyl
613-007-00-4	Desmetryne
606-018-00-0	Dichlone
609-023-00-6	Dinocap
616-007-00-2	Diphenamid
607-076-00-X	Dodine
006-030-00-0	EPTC
607-077-00-5	Erbon
015-052-00-X	Fenchlorphos
613-017-00-9	8-Hydroxyquinoline sulphate
	Hexachloroacetone
006-032-00-1	Monolinuron
	Monuron
006-034-00-2	Pebulate
616-009-00-3	Propanil
	Propargite
	2,3,6-TBA
	Trifenmorph
006-039-00-X	Triallate
	Malathion containing 1,8 % isomalathion or less
006-012-00-2	Ziram
613-011-00-6	Aminotriazole
015-100-00-X	Phoxim

No in Directive 67/548/EEC	Nomenclature according to Directive 67/548/EEC
016-010-00-3	Sodium polysulphides (1)
016-007-00-7	Potassium polysulphides (1)
016-008-00-2	Ammonium polysulphides (1)
016-005-00-6	Calcium polysulphides (1)
016-003-00-5	Barium polysulphides (1)
616-006-00-7	Dichlofuanid (1)

(1) Conventional LD_{50} and LC_{50} values have not been given to these substances because of their corrosive/irritant properties.'

ANNEX II

'ANNEX III

LIST OF ACTIVE SUBSTANCES WITH INDICATIONS OF THEIR CONVENTIONAL LD_{50} AND LC_{50} VALUES

Explanatory notes

1. The values in italics are those that are to be taken into consideration for the purpose of applying the formula set out in Annex I: Classification by calculation of pesticides containing one active substance (see Article 3 (2)).

   The other values are given for information in order to assign additional appropriate phrases indicating the nature of the special risk (R phrases) and safety advice (S phrases) that must appear on the label.

2. NR (not relevant). This indication means that the values are available but of no relevance for either the classification or the labelling of preparations: for example, percutaneous LD_{50} values exceeding the maximum limits laid down in Article 3 (2).

EEC number	Substance	Conventional values of		
		Oral LD_{50} mg/kg	Cut. LD_{50} mg/kg	Ihl LC_{50} mg/l/4h
015-079-00-7	Acephate	*945*	NR	
605-008-00-3	2-Propenal (Acrolein)	*46*	562	
	Alachlor	*1 200*	NR	
602-048-00-3	Aldrin	46	*98*	
006-025-00-3	Allethrin	*920*	NR	
616-004-00-6	Allidochlor	*700*	360	
603-015-00-6	2-Propen-1-ol	*64*	90	
613-011-00-6	Aminotriazole	*2 000*		
613-010-00-0	Ametryne	*1 405*	NR	NR
015-080-00-2	Amidithion	*600*		
612-052-00-7	2-Aminobutane	*380*	2 500	
006-018-00-5	Aminocarb	*50*	275	
006-008-00-0	Antu	*2*		
015-056-00-1	Azinphos-ethyl	*12*	250	
015-039-00-9	Azinphos-methyl	*16*	250	
006-020-00-6	Barban	*1 300*	NR	NR
	Barium carbonate	*650*		
015-083-00-9	Bensulide	*770*	3 950	
613-012-00-1	Bentazone	*1 100*	NR	
006-036-00-3	Benzthiazuron	*1 280*		
609-024-00-1	Binapacryl	*421*	720	
609-032-00-5	Bromofenoxim	*1 217*	NR	
	Bromophos	*1 600*	2 181	
015-064-00-5	Bromophos-ethyl	*71*	1 000	
608-006-00-0	Bromoxynil	*190*		
602-044-00-1	Camphechlor	*80*	1 075	
006-011-00-7	Carbaryl	*300*	NR	
006-026-00-9	Carbofuran	*8*	120	
015-044-00-6	Carbophenothion	*32*	27	
602-047-00-8	Chlordane	*460*	700	
606-019-00-6	Chlordecone	*114*	475	
650-007-00-3	Chlordimeform	*340*	640	
607-074-00-9	Chlorfenac	*575*	3 160	
603-049-00-1	Chlorfenethol	*930*		
607-075-00-4	Chlorfenprop-methyl	*1 190*		
015-071-00-3	Chlorfenvinphos	*10*	108	
606-014-00-9	Chlorophacinone	*2*	200	
015-085-00-X	Chlorphonium	*178*	750	
015-084-00-4	Chlorpyrifos	*135*	202	
616-005-00-1	Chlorthiamid	*757*		

EEC number	Substance	Conventional values of		
		Oral LD_{50} mg/kg	Cut. LD_{50} mg/kg	Ihl LC_{50} mg/l/4h
607-057-00-6	Coumachlor	*900*		
015-038-00-3	Coumaphos	*16*	860	
607-059-00-7	Coumatetralyl	*17*		
015-086-00-5	Coumithoate	*67*		
	Crotoxyphos	*74*	202	
613-004-00-8	Crimidine	*1,25*		
015-074-00-X	Crufomate	*770*	2 000	
613-013-00-7	Cyanazine	*182*	NR	
015-087-00-0	Cyanophos	*610*	800	
	Cycloheximide	*2*		
015-070-00-8	Cyanthoate	*3,2*	105	
050-002-00-0	Cyhexatin	*540*	2 200	
607-039-00-8	2,4-D	*375*	1 500	
613-008-00-X	Dazomet	*640*		
607-083-00-8	2,4-DB	*700*	800	
602-045-00-7	DDT	*113*	2 510	
015-028-00-9	Demeton-O	*1,7*		
015-030-00-X	Demeton-O-methyl	*180*		
015-029-00-4	Demeton-S	*1,7*		
015-031-00-5	Demeton-S-methyl	*40*	302	
015-078-00-1	Demeton-S-methyl sulphone	*37*		
613-007-00-4	Desmetryne	*1 390*	1 000	
015-088-00-6	Dialifos	*5*	145	
006-019-00-0	Diallate	*395*		
015-040-00-4	Diazinon	*300*	900	
602-021-00-6	1,2-Dibromo-3-chloropropane	*170*	1 420	
015-068-00-7	Dichlofenthion	*270*	NR	
606-018-00-0	Dichlone	*1 300*		
602-012-00-7	1,2-Dichloroethane	*670*	*2 800*	
607-045-00-0	Dichlorprop	*800*	1 400	
015-019-00-X	Dichlorvos	*56*	107	
603-044-00-4	Dicofol	*690*	1 870	
015-073-00-4	Dicrotophos	*22*	181	
602-049-00-9	Dieldrin	38	*10*	
015-061-00-9	Dimefox	*1*	*5*	
006-010-00-1	Dimetan	*120*		
015-051-00-4	Dimethoate	*425*		
006-040-00-5	Dimetilan	*47*	600	
006-028-00-X	Dinobuton	*140*	NR	
609-025-00-7	Dinoseb	*58*	200	
609-023-00-6	Dinocap	*980*	NR	
609-026-00-2	Salts and esters of dinoseb	*60*		
609-030-00-4	Dinoterb	*25*		
609-031-00-X	Salts and esters of dinoterb	*25*		
006-029-00-5	Dioxacarb	*90*	3 000	
015-063-00-X	Dioxathion	*23*	63	
616-007-00-2	Diphenamid	*970*		
015-060-00-3	Disulfoton	*2,6*	20	
613-021-00-0	Dithianon	*640*		
609-020-00-X	DNOC	*25*	200	
607-076-00-X	Dodine	*1 000*	NR	
650-008-00-9	Drazoxolon	*126*		
602-052-00-5	Endosulfan	*80*	359	
607-055-00-5	Endothal-sodium	*51*	750	
015-049-00-3	Endothion	*30*	400	
602-051-00-X	Endrin	*7*	60	
015-036-00-2	EPN	*14*	25	
006-030-00-0	EPTC	*1 652*	3 200	
607-077-00-5	Erbon	*1 120*		
015-047-00-2	Ethion	*161*	915	
015-089-00-1	Ethoate-methyl	*340*	1 000	
	Ethoprophos	*62*	*26*	
611-003-00-7	Fenaminosulf	*60*	1 000	
613-015-00-8	Fenazaflor	*283*	700	
015-052-00-X	Fenchlorphos	*1 740*	2 000	

EEC number	Substance	Conventional values of		
		Oral LD_{50} mg/kg	Cut. LD_{50} mg/kg	Ihl LC_{50} mg/l/4h
015-054-00-0	Fenitrothion	*503*		
607-047-00-1	Fenoprop	*650*		
015-090-00-7	Fensulfothion	*3,5*	3,5	
015-048-00-8	Fenthion	*190*	1 680	
050-003-00-6	Fentin acetate	*125*	500	
050-004-00-1	Fentin hydroxide	*108*		
607-078-00-0	Fluenetil	6	*4*	
616-002-00-5	Fluoroacetamide	*13*	80	
015-091-00-2	Fonofos	*8*	*25*	
015-057-00-7	Formothion	*365*		
	Hexachloroacetone	*1 550*	2 980	
	Heptachlor epoxide	*34*		
602-046-00-2	Heptachlor	*100*	159	
613-017-00-9	8-Hydroxyquinoline sulphate	*1 200*		
608-007-00-6	Ioxynil	*110*	809	
	Ioxynil-octanoate	*390*		
602-053-00-0	Isobenzan	4,8	*4*	
006-009-00-6	Isolan	*11*	5,6	
607-079-00-6	Kelevan	*240*	314	
602-043-00-6	Lindane	*88*	900	
	Malathion containing more than 1,8 % isomalathion	*885*		
	Malathion containing 1,8 % isomalathion or less	*2 000*		
607-051-00-3	MCPA	*700*		
607-052-00-9	Salts and esters of MCPA	*700*		
607-053-00-4	MCPB	*680*		
607-054-00-X	Salts and esters of MCPB	*680*		
015-045-00-1	Mecarbam	*36*		
607-049-00-2	Mecoprop	*930*	900	
015-094-00-9	Mephosfolan	*9*	9,7	
006-023-00-2	Methiocarb	*35*	400	
080-003-00-1	Mercurous chloride	*210*		
605-005-00-7	Metaldehyde	*630*		
015-095-00-4	Methamidophos	*7,5*	110	
015-069-00-2	Methidathion	*25*	1 546	
615-002-00-2	Methyl isothiocyanate	*175*	2 780	
	Methomyl	*17*	NR	
	Mevinphos	4	*4*	
	Molinate	*720*		
	Monuron	*1 480*		
015-072-00-9	Monocrotophos	*14*	112	
006-032-00-1	Monolinuron	*1 800*		
613-018-00-4	Morfamguat	*325*		
006-014-00-3	Nabam	*395*		
015-055-00-6	Naled	*430*	800	
614-001-00-4	Nicotine	*50*	*50*	
650-004-00-7	Norbormide	*4,4*		
015-066-00-6	Omethoate	*50*	700	
015-034-00-1	Parathion	*2*	6,8	
015-035-00-7	Parathion-methyl	6	67	
006-034-00-2	Pebulate	*1 120*		
604-002-00-8	Pentachlorophenol	*27*	105	
015-097-00-5	Phenthoate	*400*	700	
015-033-00-6	Phorate	*2*	*2,5*	
015-101-00-5	Phosmet	*230*	1 150	
015-022-00-6	Phosphamidon	*17*	374	
	Phospholan	9	23	
015-100-00-X	Phoxim	*1 845*	NR	
015-099-00-6	Pirimiphos-ethyl	*140*	1 000	
006-037-00-9	Promecarb	*74*		
616-009-00-3	Propanil	*1 400*	NR	
	Propargite	*1 500*		
	Promurit	*0,28*		
006-016-00-4	Propoxur	*95*	NR	

EEC number	Substance	Conventional values of		
		Oral LD_{50} mg/kg	Cut. LD_{50} mg/kg	Ihl LC_{50} mg/l/4h
015-032-00-0	Prothoate	*8*	14	
015-026-00-8	Schradan	*9*	15	
614-003-00-5	Strychnine	*5*		
006-038-00-4	Sulfallate	*850*		
015-027-00-3	Sulfotep	*5*	20	
607-041-00-9	2,4,5-T	*500*		
607-042-00-4	Salts and esters of 2,4,5-T	*500*	NR	
015-025-00-2	TEPP	*1,1*	2,4	
015-050-00-9	Thiometon	*120*	700	
	Thionazin	12	*11*	
006-039-00-X	Triallate	*1 700*		
015-098-00-0	Trichloronate	*16*	135	
613-020-00-5	Tridemorph	*650*	1 350	
	Trifenmorph	*1 400*		
	2,3,6-TBA	*1 500*		
006-005-00-4	Thiram	*560*	2 000	
015-024-00-7	Triamiphos	*20*	48	
015-021-00-0	Trichlorphon	*560*	NR	
015-059-00-8	Vamidothion	*103*	1 160	
607-056-00-0	Warfarin	*3*		
006-012-00-2	Ziram	*1 400*		
602-008-00-5	Tetrachloromethane (1)	*0,4*		
602-002-00-3	Bromomethane (1)	0,4		*0,004*
006-003-00-3	Carbon disulphide (1)	*0,4*		
015-004-00-8	Aluminium phosphide (1)	*0,4*		0,004
015-006-00-9	Zinc phosphide (1)	*0,4*		0,004
602-010-00-6	1,2-Dibromoethane (1)	*0,4*		
603-023-00-X	Ethylene oxide (1)			*0,004*
016-010-00-3	Sodium polysulphides (2)			
016-007-00-7	Potassium polysulphides (2)			
016-008-00-2	Ammonium polysulphides (2)			
016-005-00-6	Calcium polysulphides (2)			
016-003-00-5	Barium polysulphides (2)			
616-006-00-7	Dichlofluanid (2)			

(1) Not determined experimentally.

(2) Conventional LD_{50} and LC_{50} values have not been given to these substances because of their corrosive/irritant properties.'