DEPARTMENT OF TRADE AND INDUSTRY

NO. 495 29 MARCH 2019

NON-PROLIFERATION OF WEAPONS OF MASS DESTRUCTION ACT, 1993 (ACT NO. 87 OF 1993)

DECLARATION OF CERTAIN CHEMICAL GOODS AS CONTROLLED GOODS AND CONTROL MEASURES APPLICABLE TO SUCH GOODS

Definitions

1. In this Notice any word or expression to which a meaning has been assigned in the Act or the Chemical Weapons Convention, as the case may be, shall have the meaning so assigned and, unless the context otherwise indicates—

"antiplant agent" means any chemical listed in Annexure F to this Notice, which can defoliate plants or which can destroy crops or plants or which can sterilise the soil to prevent plant growth;

"Chemical Weapons Convention" means the Convention on the Prohibition of the Development, Production, Stockpiling and Use of Chemical Weapons and on their Destruction, as ratified by the Government of the Republic of South Africa on 14 September 1995 and published for general information as Government Notice No. 754 on 2 May 1997;

"development" means all phases before production, and includes conceptualisation, research, analysis, testing, configuration or pilot production schemes;

"discrete organic chemical" means any chemical belonging to a class of chemical compounds consisting of all compounds of carbon, except for its oxides, sulphides and metal carbides or carbonates, identifiable by chemical structure, by structural formula, if known, and by the Chemical Abstracts Service (CAS) registry number, if

assigned, and not contained in the chemicals listed in Annexures A, B or C to this Notice;

"riot control agent" means any toxic chemical, which is not among the toxic chemicals listed in Annexures A, B, C or D to this Notice, which can produce rapidly in humans sensory irritation or disabling physical effects, which disappear within a short time following the termination of exposure;

"manufacture", in relation to a chemical, includes development and production;

"precursor" means any chemical reactant which takes part at any stage in the production by whatever method of a toxic chemical. This includes any key component of a binary or multicomponent chemical system;

"PSF discrete organic chemical" means any discrete organic chemical containing one or more of the elements phosphorus, sulphur or fluorine;

"purposes not prohibited under the Chemical Weapons Convention" means-

(a) industrial, agricultural, research, medical, pharmaceutical or other peaceful purposes;
(b) protective purposes, namely those purposes directly related to protection against toxic chemicals and to protection against chemical weapons;
(c) military purposes not connected with the use of chemical weapons and not dependent on the use of the toxic properties of chemicals as a method of warfare; and
(d) law enforcement including for domestic riot control purposes;

"services" includes freight forwarding, storing and stockpiling (if not part of the manufacture and transfer processes), transporting, maintaining (repairing, overhauling, refurbishing), trading, consulting, disposing, and technical assistance;

"toxic chemical" means any chemical which through its chemical action on life processes can cause death, temporary incapacitation or permanent harm to humans or animals. This includes all such chemicals, regardless of their origin or of their method of production, and regardless of whether they are produced in facilities, in munitions or elsewhere;

"the Act" means the Non-Proliferation of Weapons of Mass Destruction Act, 1993 (Act No. 87 of 1993);

"transfer" means the change of ownership or custodianship or change in the location of controlled goods, whether or not they cross an international border; and

"use", in relation to a chemical, means the depletion of reserves by adding a chemical to formulations, as a constituent in a mixture, in a scrubber of unwanted chemicals, as a starting material in a process, as a component of a reaction or as a catalyst.

Declaration

2. I, Dr Rob Davies, Minister of Trade and Industry, under section 13(1) of the Non-Proliferation of Weapons of Mass Destruction Act, 1993 (Act No. 87 of 1993), and on the recommendation of the South African Council for the Non-Proliferation of Weapons of Mass Destruction (hereinafter referred to as "the Council"), hereby declare the goods listed in paragraph 4 of, and in the Annexures to, this Notice to be controlled goods.

3. I hereby—

(a) in terms of section 13(2)(a) and *(e)* of the Act and pursuant to South Africa's obligations under the Chemical Weapons Convention, further prohibit—

(i) the development, production, acquisition, stockpiling or retention of chemical weapons or the transfer, whether direct or indirect, of chemical weapons to any person;

(ii) the use of chemical weapons;

(iii) engagement in any military preparations to use chemical weapons;

(iv) the assistance, encouragement or induction, in any way, of any person to engage in any activity prohibited under the Chemical Weapons Convention;

(v) the use of riot control agents as a method of warfare; and

(vi) the export or re-export of the toxic chemicals or precursors listed in Annexures A and B, whether in substantially pure form or in a mixture with any other substance, to countries which are not States Parties to the Chemical Weapons Convention.

(b) in terms of section 13(2)*(b)* of the Act, determine that the import, export, re-export or transit (including transhipment) of the controlled goods, as listed in Annexures A, B, C and E to this Notice, shall take place under a permit issued by the Council: A permit is not required for quantities of 5 milligrams or less of saxitoxin, if the transfer is made for medical or diagnostic purposes, in which case a notification to that effect shall be made to the Council before the transfer;

(c) in terms of section 13(2)*(b)* of the Act, determine that the transit (including transhipment), export or re-export of the controlled goods, as listed in Annexures D and F to this Notice, shall take place under a permit issued by the Council;

(d) in terms of section 13(2)*(b)* of the Act, determine that the internal (intranational) transfer of chemicals listed in Annexure A to this Notice, shall take place under a permit issued by the Council;

(e) in terms of section 13(2)*(c)* of the Act, determine that the Council may require a State-to-State assurance or an end-user or end-use certificate for the export or re-export of the controlled goods listed in the Annexures to this Notice;

(f) in terms of section 13(2)*(c)* of the Act, determine that the Council shall require an end-user or end-use certificate for the export or re-export of the controlled goods listed in Annexure C to this Notice, whether in substantially pure form or in a mixture with any other substance in a concentration of greater than or equal to 30 per cent by weight, to countries which are not States Parties to the Chemical Weapons Convention;

(g) in terms of section 13(2)*(c)* of the Act, determine that the Council shall require an end-user or end-use certificate for the export or re-export of the controlled goods listed in Annexure E to this Notice, whether in substantially pure form or in a mixture with any other substance, except in products identified as consumer goods packaged for retail sale for personal use or packaged for individual use;

(h) in terms of section 13(2)*(f)* of the Act, determine that the manufacture of, and provision of services with respect to, controlled goods listed in Annexure A to this Notice shall take place under a permit issued by the Council; and

(i) in terms of section 13(3)(b) of the Act determine that the Council should, not less than 60 days before the transfer of controlled goods listed in Annexure A to or from another State Party, be notified of the transfer.

Controlled goods

4. The following goods are controlled goods at the control thresholds indicated in paragraph 5 of this Notice:

(a) The toxic chemicals and precursors listed in Annexures A, B and C, which may be used for purposes that are not prohibited as indicated in paragraph 9 of Article II of the Chemical Weapons Convention: Provided that the types and quantities are consistent with such purposes, whether in substantially pure form or in a mixture. Whenever, in Annexures A and B, reference to groups of dialkylated chemicals is followed by a list of alkyl groups in parentheses, all chemicals possible by all possible combinations of alkyl groups listed in the parentheses are considered to be controlled goods, except those explicitly exempted in Annexure B;

(b) the toxic chemicals listed in Annexure D, whether in substantially pure form or in a mixture;

(c) the riot control agents listed in Annexure E, whether in substantially pure form or in a mixture, except—

(i) goods containing capsaicin packaged for retail sale for personal use or packaged for individual use; and

(ii) goods containing riot control agents packaged for food production or medical purposes;

(d) the antiplant agents listed in Annexure F, whether in substantially pure form or in a mixture;

(e) any chemical facility that produces, acquires, consumes or stores any quantity of the toxic chemicals and precursors listed in Annexure A. As indicated in paragraph 8 of Part VI of the Verification Annex of the Chemical Weapons Convention, the production of the toxic chemicals and precursors listed in Annexure A shall only be carried out at a single small-scale facility. The toxic chemicals and precursors shall only be applied for research, medical, pharmaceutical or protective purposes, and the aggregate amount of such chemicals for such purposes at any given time should be less than or equal to one metric tonne;

(f) any chemical facility that produced, processed or consumed during the previous calendar year or anticipates to produce, process or consume in the next calendar year 10 grams or more of the toxic chemical BZ listed in Annexure B, one kilogram or more of the toxic chemicals Amiton or PFIB listed in Annexure B or 10 kilograms or more of any precursor listed in Annexure B;

(g) any chemical facility that produced during the previous calendar year or anticipates to produce in the next calendar year 100 kilograms or more of any toxic chemical listed in Annexure C;

(h) any chemical facility that produced by chemical synthesis, an aggregate quantity of 100 metric tonnes or more of any number of discrete organic chemicals or their salts, or an aggregate quantity of 15 metric tonnes or more of any single PSF discrete organic chemical or its salts, during the previous calendar year. For the purposes of this paragraph, polymeric and oligomeric substances are not regarded as discrete organic

chemicals. For the purposes of this paragraph, chemical facilities that—

(i) produce explosives or hydrocarbons exclusively, are exempted;

(ii) produce polymeric and oligomeric substances exclusively, are exempted;

(iii) produce any discrete organic chemicals or PSF discrete organic chemicals, as well as hydrocarbons, explosives or polymeric and oligomeric substances, are not exempted; and

(iv) process chemicals or blend or formulate chemicals into products such as insecticides, paints or detergents, where no chemical reactions take place, are exempted;

(i) the technology required for the production of the controlled goods listed in Annexure A and the toxic chemicals listed in Annexure B; and

(j) the manufacturing of, and provision of services with respect to controlled goods listed in Annexure A.

Control thresholds

5. (1) The control thresholds of controlled goods for the purposes of declarations shall be as follows:

(a) All quantities of the toxic chemicals and precursors listed in Annexure A, whether in substantially pure form or in a mixture with any other substance;

(b) an aggregate quantity per calendar year of—

(i) the toxic chemical BZ listed in Annexure B greater than or equal to 10 grams, whether in substantially pure form or in a mixture with any other substance in a concentration greater than or equal to one per cent by weight;

(ii) the toxic chemicals Amiton and PFIB listed in Annexure B greater than or equal to one kilogram, whether in substantially pure form or in a mixture with any other substance in a concentration greater than or equal to one per cent by weight; or

(iii) the precursors listed in Annexure B greater than or equal to 10 kilograms, whether in substantially pure form or in a mixture with any other substance in a concentration greater than or equal to 30 per cent by weight;

(c) an aggregate quantity per calendar year of the toxic chemicals and precursors listed in Annexure C greater than or equal to 100 kilograms, whether in substantially pure form or in a mixture with any other substance in a concentration greater than or equal to 30 per cent by weight;

(d) an aggregate quantity per calendar year of all discrete organic chemicals or their salts produced within a chemical plant site greater than or equal to 100 metric tonnes in substantially pure form;

(e) an aggregate quantity per calendar year of all PSF discrete organic chemicals or their salts produced within a chemical facility greater than or equal to 15 metric tonnes in substantially pure form;

(f) an aggregate quantity per calendar year of the toxic chemicals listed in Annexure D greater than or equal to one metric tonne, whether in substantially pure form or in a mixture with any other substance in a concentration greater than or equal to 30 per cent by weight;

(g) an aggregate quantity per calendar year of the riot control agents listed in Annexure E greater than or equal to 100 kilograms, whether in substantially pure form or in a mixture with any other substance, except in products identified as consumer goods packaged for retail sale for personal use or packaged for individual use; and

(h) any quantity per calendar year of the antiplant agents listed in Annexure F, whether in substantially pure form or in a mixture with any other substance.

(2) For the purposes of subparagraphs (1)(a), (b) and (c), all threshold quantities shall include quantities of controlled chemicals generated as by-products or as components of waste or effluent streams in a chemical production process.

(3) The control thresholds of controlled goods for the purposes of transfers shall be as follows:

(a) All quantities of the toxic chemicals and precursors listed in Annexure A, whether in substantially pure form or in a mixture with any other substance;

(b) All quantities of toxic chemicals and precursors listed in Annexure B.

Note:

(i) The toxic chemical BZ listed in Annexure B whether in substantially pure form or in a mixture with any other substance in a concentration greater than or equal to one per cent by weight;

(ii) The toxic chemicals Amiton and PFIB listed in Annexure B whether in substantially pure form or in a mixture with any other substance in a concentration greater than or equal to one per cent by weight; or

(iii) The precursors listed in Annexure B whether in substantially pure form or in a mixture with any other substance in a concentration greater than or equal to 30 per cent by weight;

(c) an aggregate quantity of the toxic chemicals and precursors listed in Annexure C greater than or equal to 25 kilograms, whether in substantially pure form or in a mixture with any other substance in a concentration greater than or equal to 30 per cent by weight;

(d) an aggregate quantity of the toxic chemicals listed in Annexure D greater than or equal to 100 kilograms, whether in substantially pure form or in a mixture with any other substance in a concentration greater than or equal to 30 per cent by weight;

(e) any quantity of the riot control agents listed in Annexure E, whether in substantially pure form or in a mixture with any other substance, except in products identified as consumer goods packaged for retail sale for personal use or packaged for individual use; and

(f) any quantity of the antiplant agents listed in Annexure F, whether in substantially pure form or in a mixture with any other substance.

(4) Products containing chemicals listed in Annexure B may be exported to countries that are not States Parties to the Chemical Weapons Convention: Provided that the said products contain—

(a) one per cent or less of the toxic chemicals listed in Annexure B; or

(b) 10 per cent or less of the precursors listed in Annexure B; and

are identified as consumer goods packaged for retail sale for personal use or packaged for individual use.

(5) Products containing chemicals listed in Annexure C may be exported without a permit to countries that are not States Parties to the Chemical Weapons Convention: Provided that the said products contain less than 30 per cent of a chemical listed in Annexure C and are identified as consumer goods packaged for retail sale for personal use or packaged for individual use.

Application forms

6. Application forms for permits contemplated in paragraph 3 of this notice may be obtained from any of the following addresses:

(a) Postal address:
The Secretariat
South African Council for the Non-Proliferation of Weapons of Mass Destruction
Private Bag X84
PRETORIA
0001; or

(b) Physical address:
The Secretariat
South African Council for the Non-Proliferation of Weapons of Mass Destruction
77 Meintjies Street
Sunnyside
PRETORIA or

(c) The website of the South African Council for the Non-Proliferation of Weapons of Mass Destruction at http://www.thedti.gov.za/nonproliferation

Repeal

7. Government Notice No. 18 of 3 February 2010 as amended by Government Notice No. 74 of 18 February 2015 is hereby repealed.

DR ROB DAVIES, MP
MINISTER OF TRADE AND INDUSTRY
DATE 5/3/19

ANNEXURE A

Schedule 1 of the Chemical Weapons Convention

(Chemical Abstracts Service Registry Number)

A. Toxic chemicals:

(1) O-Alkyl (equal to or less than C_{10}, including cycloalkyl) alkyl (Methyl, Ethyl, n-Propyl or Isopropyl) -phosphono-fluoridates, such as

Sarin:	O-Isopropyl methylphosphono-fluoridate	(107-44-8)
Soman:	O-Pinacolyl methylphosphono-fluoridate	(96-64-0)

(2) O-Alkyl (equal to or less than C_{10}, including cycloalkyl) N,N-Dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphor-amidocyanidates, such as

Tabun:	O-Ethyl N,N-dimethylphosphor-amidocyanidate	(77-81-6)

(3) O-Alkyl (H or equal to or less than C_{10}, including cycloalkyl) S-2-dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl)-aminoethyl alkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphonothiolates and corresponding alkylated or protonated salts, such as

VX:	O-Ethyl S-2-diisopropylaminoethyl methyl phosphonothiolate	(50782-69-9)

(4)	Sulphur mustards:	
	2-Chloroethylchloromethylsulphide	(2625-76-5)
	Mustard gas: Bis (2-chloroethyl) sulphide	(505-60-2)
	Bis (2-chloroethylthio) methane	(63869-13-6)
	Sesquimustard: 1, 2-Bis (2-chloroethylthio) ethane	(3563-36-8)
	1,3-Bis (2-chloroethylthio) -n-propane	(63905-10-2)
	1,4-Bis (2-chloroethylthio) -n-butane	(142868-93-7)
	1,5-Bis (2-chloroethylthio) -n-pentane	(142868-94-8)
	Bis (2-chloroethylthiomethyl) ether	(63918-90-1)
	O-Mustard: Bis (2-chloroethylthioethyl) ether	(63918-89-8)
(5)	Lewisites:	
	Lewisite 1: 2-Chlorovinyldichloroarsine	(541-25-3)
	Lewisite 2: Bis (2-chlorovinyl) chloroarsine	(40334-69-8)
	Lewisite 3: Tris (2-chlorovinyl) arsine	(40334-70-1)
(6)	Nitrogen mustards:	
	HN1: Bis (2-chloroethyl) ethylamine	(538-07-8)
	HN2: Bis (2-chloroethyl) methylamine	(51-75-2)
	HN3: Tris (2-chloroethyl) amine	(555-77-1)
(7)	Saxitoxin	(35523-89-8)
(8)	Ricin	(9009-86-3)

B. Precursors:

(9)	Alkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphonyl-difluorides, such as	
	DF: Methylphosphonyldifluoride	(676-99-3)
	Ethylphosphonyl difluoride	(753-98-0)

(10) O-Alkyl (H or equal to or less than C_{10}, including cycloalkyl) O-2-dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl) -aminoethyl alkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphonites and corresponding alkylated or protonated salts, such as

QL: O-Ethyl O-2-diisopropylaminoethyl Methylphosphonite (57856-11-8)

(11) Chlorosarin:
O-Isopropyl methylphosphono-chloridate (1445-76-7)

(12) Chlorosoman:
O-Pinacolyl methylphosphono-chloridate (7040-57-5)

ANNEXURE B

Schedule 2 of the Chemical Weapons Convention

		(Chemical Abstracts Service Registry Number)
A.	**Toxic chemicals:**	
(1)	Amiton: O,O-Diethyl S-[2-(diethylamino) ethyl] phosphorothiolate and corresponding alkylated or protonated salts	(78-53-5)
(2)	PFIB: 1,1,3,3,3-Pentafluoro-2-(trifluoromethyl)-1-propene	(382-21-8)
(3)	BZ: 3-Quinuclidinyl benzilate	(6581-06-2)
B.	**Precursors:**	
(4)	Chemicals, except for those listed in Schedule 1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl (normal or iso) group but not further carbon atoms, such as	
	Methylphosphonyl dichloride	(676-97-1)
	Dimethyl methylphosphonate	(756-79-6)
	Diethyl ethylphosphonate	(78-38-6)
	Ethylphosphinyl dichloride	(1498-40-4)
	Ethylphosphonyl dichloride	(1066-50-8)
	Methylphosphinyl dichloride	(676-83-5)
	Ethylphosphinyl difluoride	(430-78-4)
	Methylphosphinyl difluoride	(753-59-3)
	Methylphosphonic acid	(993-13-5)
	Methylphosphonothioic dichloride	(676-98-2)

	Diethyl methylphosphonite	(15715-41-0)
	Dimethyl ethylphosphonate	(6163-75-3)
	Exemption:	
	Fonofos:	
	O-Ethyl S-phenyl ethylphosphonothiolothionate	(944-22-9)
(5)	N,N-Dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphoramidic dihalides	
(6)	Dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl N,N-dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl)-phosphoramidates, such as	
	Diethyl N,N-dimethylphosphoramidate	(2404-03-7)
(7)	Arsenic trichloride	(7784-34-1)
(8)	2,2-Diphenyl-2-hydroxyacetic acid (Benzilic acid)	(76-93-7)
(9)	Quinuclidin-3-ol	(1619-34-7)
(10)	N,N-Dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl) aminoethyl-2-chlorides and corresponding protonated salts, such as	
	N,N-Diisopropyl-(beta)-aminoethyl chloride	(96-79-7)
	N,N-Diisopropyl-2-aminoethyl chloride hydrochloride	(4261-68-1)
	N,N-Dimethylaminophosphoryl dichloride	(676-98-2)
(11)	N,N-Dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl) aminoethane-2-ols and corresponding protonated salts, such as	
	N,N-Diisopropyl-(beta)-aminoethanol	(96-80-0)

	Exemptions:	
	N,N-Dimethylaminoethanol	(108-01-0)
	and corresponding protonated salts	
	Protonated salts of N,N-Diethylaminoethanol	(100-37-8)
(12)	N,N-Dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl) aminoethane-2-thiols and corresponding protonated salts, such as	
	N,N-Diisopropyl-(beta)-aminoethane thiol	(5842-07-9)
(13)	Thiodiglycol:	
	Bis (2-hydroxyethyl) sulphide	(111-48-8)
(14)	Pinacolyl alcohol:	
	3,3-Dimethylbutan-2-ol	(464-07-3)

ANNEXURE C

Schedule 3 of the Chemical Weapons Convention

		(Chemical Abstracts Service Registry Number)
A.	**Toxic chemicals:**	
(1)	Phosgene: Carbonyl dichloride	(75-44-5)
(2)	Cyanogen chloride	(506-77-4)
(3)	Hydrogen cyanide	(74-90-8)
(4)	Chloropicrin: Trichloronitromethane	(76-06-2)
B.	**Precursors:**	
(5)	Phosphorus oxychloride	(10025-87-3)
(6)	Phosphorus trichloride	(7719-12-2)
(7)	Phosphorus pentachloride	(10026-13-8)
(8)	Trimethyl phosphite	(121-45-9)
(9)	Triethyl phosphite	(122-52-1)
(10)	Dimethyl phosphite	(868-85-9)
(11)	Diethyl phosphite	(762-04-9)
(12)	Sulphur monochloride	(10025-67-9)
(13)	Sulphur dichloride	(10545-99-0)

(14)	Thionyl chloride	(7719-09-7)
(15)	Ethyldiethanolamine	(139-87-7)
(16)	Methyldiethanolamine	(105-59-9)
(17)	Triethanolamine	(102-71-6)

ANNEXURE D

		(Chemical Abstracts Service Registry Number)
Toxic chemicals:		
(1)	3-Hydroxy-1-methylpiperidine	(3554-74-3)
(2)	Potassium fluoride	(7789-23-3)
(3)	2-Chloroethanol	(107-07-3)
(4)	Dimethylamine	(124-40-3)
(5)	Dimethylamine hydrochloride	(506-59-2)
(6)	Hydrogen fluoride	(7664-39-3)
(7)	Methyl benzilate	(76-89-1)
(8)	3-Quinuclidone	(3731-38-2)
(9)	Pinacolone	(75-97-8)
(10)	Potassium cyanide	(151-50-8)
(11)	Potassium bifluoride	(7789-29-9)
(12)	Ammonium bifluoride	(1341-49-7)
(13)	Sodium bifluoride	(1333-83-1)
(14)	Sodium fluoride	(7681-49-4)
(15)	Sodium cyanide	(143-33-9)

(16)	Phosphorus pentasulphide	(1314-80-3)
(17)	Di-isopropylamine	(108-18-9)
(18)	Diethylaminoethanol	(100-37-8)
(19)	Sodium sulphide	(1313-82-2)
(20)	Triethanolamine hydrochloride	(637-39-8)
(21)	Triisopropyl phosphite	(116-17-6)
(22)	O,O-Diethyl phosphorothioate	(2465-65-8)
(23)	O,O-Diethyl phosphorodithioate	(298-06-6)
(24)	Sodium hexafluorosilicate	(16893-85-9)

ANNEXURE E

(Chemical Abstracts Service Registry Number)

Riot Control Agents

Riot control agents as follows:

(1)	α-Bromobenzeneacetonitrile, (Bromobenzyl cyanide), (CA)	(5798-79-8)
(2)	2-Chloro-1-phenyl-ethanone, (Phenylacyl chloride), (ω-chloroacetophenone), (CN)	(532-27-4)
(3)	[(2-chlorophenyl)-methylene] propanedinitrile, (o-Chlorobenzylidenemalonitrile), (CS)	(2698-41-1)
(4)	Dibenz (b,f)-1,4-oxazephine, (CR)	(257-07-8)
(5)	Diphenylaminochloroarsine, (10-Chloro-5,10-dihydrophen-arsazine), (Phenarsazine chloride), (Adamsite), (DM)	(578-94-9)
(6)	N-nonanylmorpholine, (MPA)	(5299-64-9)
(7)	trans-8-Methyl-N-vanillyl-6-nonenamide, (Capsaicin), (Pepper Spray), [N-(4-hydroxy-3-methoxy benzyl)-8-methyl-non-trans-6-enamide],	(404-86-4)
(8)	Ethyl bromoacetate, (EBA)	(105-36-2)
(9)	Pelargonic acid vanillylamide	(2444-46-4)
(10)	Phenyl chloride	(108-90-7)
(11)	Mixture of OC and CS	

(12)	Oleoresin capsicum (OC)	(8023-77-6)
(13)	8-Methyl-N-vanillylnonamide (dihydrocapsaicin)	(19408-84-5)
(14)	N-Vanillyl-9-methyldec-7-(E)-enamide (homocapsaicin)	(58493-48-4)
(15)	N-Vanillyl-9-methyldecanamide (homodihydrocapsaicin)	(20279-06-5)
(16)	N-Vanillyl-7-methyloctanamide (nordihydrocapsaicin)	(28789-35-7)
(17)	2'-Chloroacetophenone	(2142-68-9)
(18)	3'-Chloroacetophenone	(99-02-5)
(19)	α-Chlorobenzylidenemalononitrile	(18270-61-6)
(20)	Cis-4-acetylaminodicyclohexylmethane	(37794-87-9)
(21)	N,N'-Bis (isopropyl) ethylenediimine	(E,E 28227-41-0; Z,Z 185245-09-4)
(22)	N,N'-Bis (tert-butyl) ethylenediimine	(30834-74-3; E,E 28227-42-1)

ANNEXURE F

		(Chemical Abstracts Service Registry Number)
Anti-plant agents:		
Anti-plant agents as follows:		
(1)	Butyl 2-chloro-4-fluorophenoxyacetate (LNF)	(1692-85-9)
(2)	Mixtures of 2,4,5-T and 2,4-D where:	
	2,4,5-T: 2,4,5-Trichlorophenoxyacetic acid	(93-76-5)
	2,4-D: 2,4-Dichlorophenoxyacetic acid	(94-75-7)
(3)	Mixtures of Picloram where:	
	Picloram: 4-Amino-3,5,6-trichloropicolinic acid	(1918-02-1)
(4)	Dimethylarsinic acid (Cacodylic acid)	(75-60-5)

TSEBISO YA MMUSO

LEFAPHA LA KGWEBISANO LE INDASTERI

NON-PROLIFERATION OF WEAPONS OF MASS DESTRUCTION ACT, 1993 (ACT NO. 87 OF 1993)

PHATLALATSO YA THEPA E ITSENG YA KHEMIKHALE E LE THEPA E TLASA TAOLO LE METJHA YA TAOLO E SEBETSANG THEPENG E JWALO

Ditlhaloso

1. Tsebisong ena lentswe kapa polelo e nehetsweng moelelo ka hare ho Molao kapa Tumellano ya Dibetsa tsa Khemikhale e tla sebedisa moelelo oo e o nehetsweng, ntle le ha sengolwa se ka hlalosa ka mokgwa o mong—

"antiplant agent" e hlalosa khemikhale e nngwe le e nngwe e hlalositsweng ho Sehlomathiso F tsebisong ena e ka nnang ya etsa dimela dilahlehelwe ke makala kapa e ka nnang ya senya dijalo kapa dimela kapa e ka hlwekisang mobu ho thibela kgolo ya dimela;

"Kopano ya Dibetsa tsa Khemikhale " e hlalosa Kopano Thibelong ya Ntshetsopele, Tlhahiso, Poloko le Tshebediso ya Dibetsa tsa Khemikhale le Tshenyo ya tsona jwalo ka ha Mmuso wa Rephaboliki ya Afrika Borwa o nehelane ka tumello ka la 14 Lwetse 1995 mme ya phatlalatswa bakeng la lesedi la kakaretso Tsebisong ya Mmuso ya 754 kala 2 Motsheanong 1997;

"ntshetsopele" e hlalosa mehato yohle pele ho bohlahisi mme e kenyeletsa mehopolo, dipatlisiso, hlophollo, diteko, tlhophiso kapa sekimi sa bohlahisi;

"Khemikhale e arotsweng e sa sebetswang" e hlalosa khemikhale e welang ka tlasa sehlopha sa dikhemikhale tsenang le carbon, ntle le oxide ya teng, sulphides le carbides kapa carbonates, tse bontshitsweng ke moralo wa khemikhale, moralo wa

fomula e bang e tsejwa, le ka ngodiso ya palo ya Tshebetso ya Kgulo ya Khemikhale e bang e nehetswe, mme e sa kenyeletswa dikhemikhaleng tse hlalositsweng Sehlomathisong A, B kapa C Tsebisong ena;

"kemedi ya taolo ya morusu" e hlalosa khemikhale e nngwe le e nngwe ya tjhefo e seng ka hara dikhemikhale tsa tjhefo tse hlalositsweng Sehlomathisong A, B, C kapa D Tsebisong ena, e ka hlahisang ho tshwenya ditho tsa kutlo ya motho kapa ho qhwadisa ditho tsa mmele mme difole ka mora nakonyana ka mora hore motho a tloswe pela tsona;

"tlhahiso", mabapi le khemikhale, e akga ntshetsopele le bohlahisi;

"ketsahalo ya pele" e hlalosa ketsahalo ya khemikhale e etsahalang bohatong bo bong le bo bong ba bohlahisi ka mokgwa o mong le o mong wa khemikhale ya tjhefo. Hona ho akga karolo e bohlokwa ya mokgwa wa khemikhale e habedi kapa e karolo dingata;

"khemikhale e thotseng ya PSF" e hlalosa khemikhale e nngwe le e nngwe e thotseng ya tlhaho e nang le phosphorus, sulphur kapa fluorine;

"maikemisetso a sa thibelwang ka tlasa Kopano ya Dibetsa tsa Khemikhale" e hlalosa -

(a) (a) Tlhahisong, temong, dipatlisiso, bongaka, meriana kapa maikemisetso a amanang a kgotso;

(b) (b) Maikemisetso a kgotso, maikemisetso a amanang ka ho otloloha le tshireletso kgahlano le dikhemikhale tsa tjhefo le tshireletso kgahlano le dibetsa tsa khemikhale;

(c) (c) Maikemisetso a sesole a sa kopaneng le tshebediso ya dibetsa tsa khemikhale mme e sa itshetleha ho tshebediso ya dikhemikhale tsa tjhefu e le mokgwa wa ntwa; le

(d) (d) Ho kenngwa tshebetsong ha molao ho akga ka hare taolo ya morusu wa selehae;

"ditshebeletso" e akga ka hare ho tlisa ha thepa, ho behwa, (e bang e se karolo ya bohlahisi le tsamaiso ya phethiso) tsamaiso, tlhokomelo (tokiso botjha, tokiso ka kakaretso), kgwebisano, kopano le thuso ya setekgeniki;

"khemikhake ya tjhefo" e hlalosa khemikhale e nngwe le e nngwe eo e reng ha e nka bohato tsamaong ya bophelo e ka baka lefu, ho se be le bokgoni nakwana kapa ho lemala ho phethahetseng bathong kapa diphoofolong. Ho na ho kenyeletsa dikhemikhale tsohle ho sa natse moo ditswang kapa mokgwa oo di entsweng ka teng, le ho se natse hore di entswe ditshebeletsong, matleng a sesole kapa sebakeng se seng;

"Molao" e hlalosa Non-Proliferation of Weapons of Mass Destruction Act, 1993 (Act No. 87 of 1993);

"phethiso" e hlalosa phetoho ya monga thepa kapa mohlokomedi kapa phetoho ya sebaka sa thepa e tlasa taolo ho sa natse ho tshela moedi wa matjhaba; le

"tshebediso", mabapi le khemikhale, e hlalosa phokotso ka ho eketsa khemikhale ketsong e le karolo ya motswako, ka hara dikhemikhale tse sa hlokeheng, e le qaleho ya tsamaiso, e le karolo ya ketsahalo kapa e le tsamaiso.

Tsebiso

2. Nna, Dr Rob Davies, Letona la kgwebisano le Indasteri, ka tlasa karolo 13(1) ya Non-Proliferation of Weapons of Mass Destruction Act, 1993 (Act No. 87 of 1993), le ka kgothaletso ya Khansele ya Afrika Borwa ya Thibelo ya Keketseho ya Dibetsa tsa Tshenyo e Kgolo, ke tsebisa ha thepa e hlalositsweng serapeng 4 le dihlomathiso tse tsebisong ena e le thepa e tlasa taolo..

3. Ke—

(a) latela karolo 13(2)(e) ya Molao le ho ntshetsapele ditlamo tsa Afrika Borwa ka tlasa Tumellano ya Dibetsa tsa Baeloji le tsa Tjhefo, ke tswelapele ka ho thibela —

(i) ntshetsopele, bohlahisi, phumaneho, peho, tshwaro ya dibetsa tsa khemikhale kapa phethiso ka ho otloloha kapa ka ho kwekwetla dibetsa tsa khemikhale ho motho e mong le e mong;

(ii) tshebediso ya dibetsa tsa khemikhale;

(iii) ho ka ba le seabo boitokisong ba sesole ho ka sebedisa dibetsa tsa khemikhale;

(iv) thuso, kgothaletso kapa thupello ka tsela e nngwe le e nngwe ya motho e mong le e mong ho ka ba le seabo ketsahalong e thibetsweng ka tlasa Kopano ya Dibetsa tsa Khemikhale;

(v) tshebediso ya disebediswa tsa thibelo ya merusu e le mokgwa wa twantsho; le

(vi) thomelo ntle kapa diya ntle tsa dikhemikhale tsa tjhefo kapa tse tlileng pele tse ngodisitsweng sehlomathisong A le B, ka mokgwa oo di leng ka teng kapa dikopantswe le tse ding, ho ya dinaheng tse seng mmoho le Mmuso Kopanong ya Dibetsa tsa Khemikhale.

(b) ho latela karolo 13(2)(b) ya Molao, ho hlwaya hore ditswantle, thomelo ntle, diya ntle tse ding kapa tsamaiso (ho kenyeleditswe le mekgwa e fapaneng ya dipalangwang tsa tsamaiso) ya thepa e tlasa taolo, jwalo ka ha ho hlalositswe Sehlomathisong A, B le C le E tsebisong ena, e tlaba ka tlasa tumello e nehetsweng ke Khansele: Tumello ha e hlokahale bakeng la bongata ba 5 milligrams kapa ka tlase ho saxitoxin, e bang phethiso e etswa bakeng la bongaka, tsebiso e tshwanetse e etswe Khanseleng pele ho phethiso;

(c) ho latela karolo 13(2)(b) ya Molao, ho hlwaya hore tsamaiso (ho kenyeleditse mekgwa e fapaneng ya dipalangwang tsa tsamaiso), thomelo ntle le diya ntle tse ding tsa thepa e tlasa taolo, jwalo ka ha ho tsebisitswe Sehlomathisong D le F tsebisong ena, e tlaba ka tlasa tumello e nehetsweng ke Khansele;

(d) ho latela karolo 13(2)(b) ya Molao, ho hlwaya hore phethiso ya ka hare (ka hara setjhaba se le seng) ya dikhemikhale tse hlolositsweng Sehlomathisong A tsebisong ena, e tla ba ka tlasa tumello e nehetsweng ke Khansele;

(e) ho latela karolo 13(2)(c) ya Molao, ho hlwaya hore Khansele e ka hloka tiiseletso ya Puso ka Puso kapa basebedisi kapa lengolo la bosebedisi

bakeng la thomelo ntle kapa diya ntle tse ding tsa thepa e taolong e hlahellang Sehlomathisong se Tsebisong ena;

(f) ho latela karolo 13(2)(c) ya Molao, ho hlwaya hore Khansele e ka hloka mosebedisi kapa lengolo la bosebedisi bakeng la thomelo ntle kapa diya ntle tse ding tsa thepa e tlasa taolo e hlalositsweng Sehlomathisong C tsebisong ena, ka moo e leng ka teng kapa e kopantswe le tse ding ka boholo bo fetang kapa bo lekanang le boima ba diperesente tse 30 mebusong e seng mmoho Kopanong ya Dibetsa tsa Khemikhale;

(g) ho latela karolo 13(2)*(c)* ya Molao, ho hlwaya hore Khansele e ka hloka mosebedisi kapa lengolo la bosebedisi la thepa e thepa e tlasa taolo e hlalositsweng Sehlomathisong E tsebisong ena, ka moo e le ng ka teng kapa e kopantswe le tse ding, ntle le dihlahisweng tse bontshitsweng e le tsa basebedisi mme diphuthetswe bakeng la thekiso ho ka sebediswa ke batho;

(h) ho latela karolo 13(2)(f) ya Molao, ho hlwaya hore tlhahiso le nehelano ya ditshebeletso ho thepeng e tlasa taolo e hlalositsweng Sehlomathisong A tsebisong ena e tla ba ka tlasa tumello e nehetsweng ke Khansele; le

(i) ho latela karolo 13(3)(b) ya Molao, ho hlwaya hore Khansele e tshwanetse ho tsebiswa ka phithiso matsatsing a seng ka tlase ho a 60 pele ho phithiso ya thepa e tlasa taolo e hlalositsweng Sehlomathisong A ho kapa ho tswa Mokgeng wa Mmuso.

Thepa e tlasa taolo

4. Thepa e latelang ke thepa e tlasa taolo jwalo ka ha ho hlalositswe serapaneng 5 tsebisong ena:

(a) Dikhemikhale tsa tjhefo le tse tlileng pele tse ngodisitsweng Sehlomathisong A, B le C tse ka sebedisetswang maikemisetso a sa thibelwang jwalo ka ha ho hlalositswe serapaneng 9 sa Sengolwa II sa Kopano ya Dibetsa tsa Tjhefo: ha feela mefuta le bongata ditsamaelana le maikemisetso a jwalo, ka bojwalo kapa ka ho tswakuwa. ka hara Sehlomathiso A le B, Nako e nngwe le e nngwe ha tebiso e le ho

dihlopha tsa dikhemikhale tsa dialkylated e salwa morao ke lenane la dihlopha tsa alkyl tse bontshitsweng ka hara masakana, dikhemikhale tsohle dikgonahala ka ho kopanngwa ho kgonehang wa dihlopha tsa alkyl tse hlalositsweng ka hara masakana dinkuwa e le thepa e tlasa taolo, ntle le tse tlohellisitsweng tse hlahellang Sehlomathisong B;

(b) dikhemikhale tsa tjhefo tse hlahellang Sehlomathisong D, di le jwalo kapa dikopantswe;

(c) ditho tsa tshitiso tse hlalositsweng Sehlomathisong E, di le jwalo kapa ditswakuwe, ntle le ha e ba —

(i) thepa e nang le capsaicin e phuthetswe bakeng la thekiso ho motho ka mong; le

(ii) thepa e nang le ditho tsa tshitiso diphutetswe bakeng la tlhahiso ya dijo kapa maikemisetsong a bongaka;

(d) ditho tsa antiplant tse hlalositsweng Sehlomathisong F di le jwalo kapa di kopantswe;

(e) tshebeletso e nngwe le e nngwe ya khemikhale e hlahisang, fumanang, sebedisa kapa behang palo e nngwe le e nngwe ya dikhemikhale tsa tjhefu le tse entsweng pele tse hlahisitsweng Sehlomathisong A. Jwalo ka ha ho hlalositswe serapaneng 8 sa Karolo VI ya Netefatso ya ho ba tlasa taolo ya Kopano ya Dibetsa tsa Tjhefo, bohlahisi ba dikhemikhale tsa tjhefo le tse tlileng pele tse hlalositsweng Sehlomathisong A e tlantshwa feela ka tshebetso e lenngwe e tlase. Dikhemikhale tsa tjhefo le tse tlileng pele di tla sebediswa feela bakeng la dipatlisiso, bongaka kapa bakeng la tshireletso, le kakaretso ya palo ya dikhemikhale tse jwalo bakeng la maikemisetse ao nako e nngwe le e nngwe e tshwanetse e be ka tlase kapa e lekane le tone ya metric e le nngwe;

(f) tshebeletso e nngwe le e nngwe ya khemikhale e hlahisitsweng, ya sebetswa kapa sebediswa ngwahola kapa tebello ya tlhahiso, ho sebetswa kapa sebediswa isao digeramo tse 10 kapa boholo ba

dikhemikhale tsa tjhefo BZ e hlalositsweng Sehlomathisong B, kilogeramo e le nngwe kapa ho feta ya Amiton kapa PFIB e hlalositsweng Sehlomathisong B kapa dikilogeramo tse 10 kapa boholo ba tse tlileng pele tse hlalositsweng Sehlomathisong B;

(g) tshebeletso e nngwe le e nngwe ya khemikhale e hlahisitsweng ngwahola kapa e lebelletsweng ho ka hlahiswa isao dikilogeramo tse 100 kapa boholo ba dikhemikhale tsa tjhefo tse hlalositsweng Sehlomathisong C;

(h) tshebeletso e nngwe le e nngwe e hlahisitsweng ka kakaretso ya boholo ba ditone tse 100 tsa metric kapa keketseho ya palo e nngwe le e nngwe ya dikhemikhale tsa tlhaho kapa matswai a teng kapa kakaretso ya boholo ba ditone tse 15 tsa metric kapa bongata ba bonngwe ba PSF ya khemikhale ya tlhaho kapa letswai la teng ngwahola. Bakeng la serapana sena, polymeric le oligomeric ha di nkuwe e le dikhemikhale tsa tlhaho. Bakeng la maikemisetso a serapana sena, ditshebeletso tsa dikhemikhale ke ho—

(i) hlahisa diqhomane kapa hydrocarbons ka ho otloloha di tlohellisitswe;

(ii) hlahisa polymeric le oligomeric ka ho otloloha ditlohellisitswe;

(iii) hlahisa dikhemikhale tsa tlhaho kapa dikhemikhale tsa tlhaho tsa PSF, ha mmoho le hydrocarbons, diqhomane kapa polymeric le oligomeric, ditlohellisitswe; le

(iv) tshebetso ya dikhemikhale kapa ho dikopanya kapa ho ditheha ho ba tjhefo ya dikokonyana, pente kapa bohlwekisi, moo ketsahalo ya dikhemikhale e senang ho bateng, ditlohellisitswe;

(i) thekenoloji e hlokahalang bakeng la tlhahiso ya thepa e tlasa taolo e hlalositsweng Sehlomathisong A le dikhemikhale tsa tjhefo tse hlalositsweng Sehlomathisong B; le

(j) ditshebeletso mabapi le thepa e tlasa taolo e hlalositsweng Sehlomathisong A.

Taolo ya qaleho

5. (1) Taolo ya qaleho ya thepa e tlasa taolo bakeng la maikemisetso a phatlalatso a tlaba ka ho latela:

(a) Palo yohle ya dikhemikhale tsa tjhefo le tse tlileng pele tse hlalositsweng Sehlomathisong A, di le jwalo kapa ditswakuwe ka ho hong;

(b) kakaretso ya boholo ka selemo ya—

(i) khemikhale ya tjhefo BZ e hlalositsweng Sehlomathisong B e kgoloho kapa e lekana le digeramo tse 10, di le jwalo kapa di tswakuwe ka ho hong ho ka hodimo ho kapa ho lekana le boima ba peresente e lenngwe;

(ii) dikhemikhale tsa tjhefo Amiton le PFIB tse hlalositsweng Sehlomathisong B di kgolo ho kapa di lekana le kilogeramo e le nngwe, di le jwalo kapa di kopantswe le ho hong ho ka hodimo ho kapa ho lekana le boima ba peresente e le nngwe; kapa

(iii) tse tlilleng pele tse hlalositsweng Sehlomathsiong B e le kgolo ho kapa e lekana le dikilogeramo tse 10, di le jwalo kapa di kopantswe le ho hong ho ka hodimo ho kapa ho lekana le boima ba diperesente tse 30;

(c) kakaretso ya boholo ba dikhemikhale tsa tjhefo selemo ka seng le tse tlileng pele tse hlalositsweng Sehlomathisong C dile kgolo ho kapa dilekana le boima ba 100 kilogeramo, di le jwalo kapa dikopantswe le ho hong ho ka hodimo ho kapa ho lekana le boima ba diperesente tse 30;

(d) kakaretso ya boholo ba dikhemikhale tsa tlhaho selemong kapa matswai a tsona a hlaisitsweng sebakeng sa dikhemikhale tse kgolo ho kapa di lekana le ditone tse 100 tsa metric;

(e) kakaretso ya boholo ba dikhemikhale tsohle tsa tlhaho tsa PSF selemong kapa matswai a hlahisitsweng ka hare ho tshebeletso ya khemikhale e fetang kapa e lekanang le ditone tsa metric tse 15;

(f) kakaretso ya boholo ba dikhemikhale tsa tjhefo selemong tse hlalositsweng Sehlomathisong D di le kgolo ho kapa di lekana le tone ya metric e le nngwe e le jwalo kapa e kopantswe le hohong ho ka hodimo ho kapa ho lekana le boima ba diperesente tse 30;

(g) kakaretso ya boholo ba taolo ya ditho tsa tshitiso tse hlalositsweng Sehlomathiso E tse kgolo ho kapa di lekana le dikilogeramo tse 100, di le jwalo kapa di kopantswe ka hohong, ntle le dihlahiswa tse sebediswang tse phuthetsweng bakeng la thekiso le tshebediso ya motho ka mong; le

(h) boholo bo bong le bo bong selemong ba antiplant bo hlalositsweng Sehlomathisong F, bo le jwalo kapa bo kopantswe le ho hong.

(2) Bakeng la seratswana (1)(a), (b) le (c), qaleho ya boholo e tla kenyeletsa dikhemikhale tse tlasa taolo tse entsweng e le tsa bobedi kapa e le karolo ya tshenyeho tsamaisong ya ketso ya dikhemikhale.

(3) Qaleho ya taolo ya thepa e tlasa taolo bakeng la maikemisetso a phethiso e tlaba ka mokgwa o latelang:

(a) Palo kaofela ya dikhemikhale tsa tjhefo le tse tlileng pele tse hlalositsweng Sehlomathisong A, dile jwalo kapa dikopantswe ka ho hong;

(b) Palo kaofela ya dikhemikhale tsa tjhefo le tse tlileng pele tse hlalositsweng Sehlomathisong B.

Elellwa:

(i) Khemikhale ya tjhefo BZ e hlalositsweng Sehlomathisong B e le

jwalo kapa e kopantswe le ho hong mme boholo bateng bo feta kapa bo lekana le boima ba peresente e le nngwe;

(ii) Dikhemikhale tsa tjhefo Amiton le PFIB tse hlalositsweng Sehlomathisong B di le jwalo kapa dikopantswe ka ho hong ho ka hodimo kapa ka ho lekana le persente e le nngwe ka boima; kapa

(iii) Tse ngodisitsweng pele Sehlomathisong B di le jwalo kapa dikopantswe mme boholo bateng bofeta kapa bolekana le boima ba diperesente tse 30;

(c) kakaretso ya boholo ba dikhemikhale tsa tjhefo le tse tlileng pele tse hlalositsweng Sehlomathisong C e le kgolo ho kapa e lekana le dikilogeramo tse 25, di le jwalo kapa di kopantswe mme motswako wa tsona o feta kapa o lekana le boima ba diperesente tse 30;

(d) kakaretso ya boholo ba dikhemikhale tse hlalositsweng Sehlomathisong D di le kgolo kapa di lekana le dikilogeramo tse 100, di le jwalo kapa dikopantswe mme motswako wa tsona o feta kapa o lekana le boima ba diperesente tse 30;

(e) boholo bo bong le bo bong ba taolo ya tshitiso e hlalositsweng Sehlomathisong E e le jwalo kapa e kopantswe le ho hong, ntle ho dihlahiswa tse bontshitsweng e le tse sebediswang tse paketsweng bakeng la thekiso le bakeng la tshebediso ya mang kapa mang; le

(f) bongata bo bong le bo bong ba antiplant bo hlalositsweng Sehlomathisong F bo le jwalo kapa bo kopantswe le ho hong.

(4) thepa e nang le dikhemikhale e hlalositsweng Sehlomathisong B e ka romelwa dinaheng tse seng mmoho le Mmuso Kopanong ya Dibetsa tsa Khemikhale: ha feela thepa eo e na le —

(a) peresente e le nngwe kapa ka tlase ya dikhemikhale tse hlalositsweng Sehlomathisong B; kapa

(b) diperesente tse 10 kapa ka tlase tsa tse tlileng pele tse hlalositsweng Sehlomathisong B; mme

dinkuwa e le thepa ya tshebediso e phuthetsweng bakeng la thekiso bakeng la tshebediso ya motho ka mong.

(5) Dihlahiswa tse nang le dikhemikhale tse hlalositsweng Sehlomathisong C di ka romelwa ntle ka ntle le tumello ya dinaha tseo di sa amaneng le Mmuso ho Kopano ya Dibetsa tsa Tjhefo: ntle le ha e ba dihlahiswa tseo dina le diperesente tse sa feteng 30 tsa khemikhale e hlalositsweng Sehlomathisong C mme dihlonngwe e le thepa e ka sebediswang ke motho ka mong.

Diforomo tsa kopo

6. Diforomo tsa kopo bakeng la tumello e hlalositsweng serapanng 3 tsebisong ena di ka fumaneha atereseng e nngwe le e nngwe e latelang:

(a) Aterese ya poso:
The Secretariat
South African Council for the Non-Proliferation of Weapons of Mass Destruction
Private Bag X84
PRETORIA
0001; kapa

(b) Aterese ya moaho:
The Secretariat
South African Council for the Non-Proliferation of Weapons of Mass Destruction
77 Meintjies Street
Sunnyside
PRETORIA; kapa

(c) Setsha sa inthanete sa Khansele ya Afrika Borwa ya Thibelo ya Keketseho ya Dibetsa tsa Tshenyo e Kgolo http://www.thedti.gov.za/nonproliferation

Tlhakolo

7. Tsebiso ya Mmuso ya 18 ya la 3 Hlakola 2010 jwalo ka ha e fetotswe ke Tsebiso ya Mmuso ya 74 ya la 18 Hlakola 2015 e hlakotswe.

DR ROB DAVIES, SETHO SA PALAMENTE
LETONA LA KGWEBISANO LE INDASTERI
LETSATSI

SEHLOMATHISO A

Sheyule 1 ya Kopano ya Dibetsa tsa Khemikhale

(Palo ya Ngodiso ya Tshebeletso ya Kgulo Khemikhale)

A. Dikhemikhale tsa tjhefu:

(1) O-Alkyl (e lekanang le kapa ka tlase ho C_{10}, e akgang cycloalkyl) alkyl (Methyl, Ethyl, n-Propyl or Isopropyl) -phosphono-fluoridates, jwalo ka

Sarin:	O-Isopropyl methylphosphono-fluoridate	(107-44-8)
Soman:	O-Pinacolyl methylphosphono-fluoridate	(96-64-0)

(2) O-Alkyl (e lekanang le kapa ka tlase ho C_{10}, e akgang cycloalkyl) N,N-Dialkyl (Methyl, Ethyl, n-Propyl kapa Isopropyl) phosphor-amidocyanidates, jwalo ka

Tabun:	O-Ethyl N,N-dimethylphosphor-amidocyanidate	(77-81-6)

(3) O-Alkyl (H kapa e lekanang le kapa ka tlase ho C_{10}, e akgang cycloalkyl) S-2-dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl)-aminoethyl alkyl (Methyl, Ethyl, n-Propyl kapa Isopropyl) phosphonothiolates le e tsamaisanang le alkylated kapa protonated salts, jwalo ka

VX:	O-Ethyl S-2-diisopropylaminoethyl methyl phosphonothiolate	(50782-69-9)

(4)	Sulphur mustards:	
	2-Chloroethylchloromethylsulphide	(2625-76-5)
	Mustard gas: Bis (2-chloroethyl) sulphide	(505-60-2)
	Bis (2-chloroethylthio) methane	(63869-13-6)
	Sesquimustard: 1, 2-Bis (2-chloroethylthio) ethane	(3563-36-8)
	1,3-Bis (2-chloroethylthio) -n-propane	(63905-10-2)
	1,4-Bis (2-chloroethylthio) -n-butane	(142868-93-7)
	1,5-Bis (2-chloroethylthio) -n-pentane	(142868-94-8)
	Bis (2-chloroethylthiomethyl) ether	(63918-90-1)
	O-Mustard: Bis (2-chloroethylthioethyl) ether	(63918-89-8)
(5)	Lewisites:	
	Lewisite 1: 2-Chlorovinyldichloroarsine	(541-25-3)
	Lewisite 2: Bis (2-chlorovinyl) chloroarsine	(40334-69-8)
	Lewisite 3: Tris (2-chlorovinyl) arsine	(40334-70-1)
(6)	Nitrogen mustards:	
	HN1: Bis (2-chloroethyl) ethylamine	(538-07-8)
	HN2: Bis (2-chloroethyl) methylamine	(51-75-2)
	HN3: Tris (2-chloroethyl) amine	(555-77-1)
(7)	Saxitoxin	(35523-89-8)
(8)	Ricin	(9009-86-3)

B. Diketsahalo tsa pele:

(9)	Alkyl (Methyl, Ethyl, n-Propyl kapa Isopropyl) phosphonyl-difluorides, jwalo ka	
	DF: Methylphosphonyldifluoride	(676-99-3)
	Ethylphosphonyl difluoride	(753-98-0)

(10) O-Alkyl (H kapa e lekanang le kapa ka tlase ho C_{10}, e akgang cycloalkyl) O-2-dialkyl (Methyl, Ethyl, n-Propyl kapa Isopropyl) -aminoethyl alkyl (Methyl, Ethyl, n-Propyl kapa Isopropyl) phosphonites le e tsamaisanang le alkylated kapa protonated salts, jwalo ka

QL: O-Ethyl O-2-diisopropylaminoethyl Methylphosphonite (57856-11-8)

(11) Chlorosarin:
O-Isopropyl methylphosphono-chloridate (1445-76-7)

(12) Chlorosoman:
O-Pinacolyl methylphosphono-chloridate (7040-57-5)

SEHLOMATHISO B

Shejule 2 ya Kopano ya Dibetsa tsa Khemikhale

(Palo ya Ngodiso ya Tshebeletso ya Kgulo Khemikhale)

A. Dikhemikhale tsa tjhefu:

(1) Amiton:
O,O-Diethyl S-[2-(diethylamino) ethyl] phosphorothiolate
le e tsamaisanang le alkylated or protonated salts (78-53-5)

(2) PFIB:
1,1,3,3,3-Pentafluoro-2-(trifluoromethyl)-1-propene (382-21-8)

(3) BZ:
3-Quinuclidinyl benzilate (6581-06-2)

B. Diketsahalo tsa pele:

(4) Dikhemikhale, ntle le tse hlalositsweng Shejuleng 1, tse akgang phosphorus atom tse manamisitsweng ho sehlopha sa methyl, ethyl kapa propyl (normal or iso) empa e seng ho feta carbon atoms, jwalo ka

Methylphosphonyl dichloride	(676-97-1)
Dimethyl methylphosphonate	(756-79-6)
Diethyl ethylphosphonate	(78-38-6)
Ethylphosphinyl dichloride	(1498-40-4)
Ethylphosphonyl dichloride	(1066-50-8)
Methylphosphinyl dichloride	(676-83-5)
Ethylphosphinyl difluoride	(430-78-4)
Methylphosphinyl difluoride	(753-59-3)
Methylphosphonic acid	(993-13-5)

	Methylphosphonothioic dichloride	(676-98-2)
	Diethyl methylphosphonite	(15715-41-0)
	Dimethyl ethylphosphonate	(6163-75-3)
	Tlohelliso:	
	Fonofos:	
	O-Ethyl S-phenyl ethylphosphonothiolothionate	(944-22-9)
(5)	N,N-Dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphoramidic dihalides	
(6)	Dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl N,N-dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl)-phosphoramidates, jwalo ka	
	Diethyl N,N-dimethylphosphoramidate	(2404-03-7)
(7)	Arsenic trichloride	(7784-34-1)
(8)	2,2-Diphenyl-2-hydroxyacetic acid (Benzilic acid)	(76-93-7)
(9)	Quinuclidin-3-ol	(1619-34-7)
(10)	N,N-Dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl) aminoethyl-2-chlorides le e tsamaisanang le protonated salts, jwalo ka	
	N,N-Diisopropyl-(beta)-aminoethyl chloride	(96-79-7)
	N,N-Diisopropyl-2-aminoethyl chloride hydrochloride	(4261-68-1)
	N,N-Dimethylaminophosphoryl dichloride	(676-98-2)
(11)	N,N-Dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl) aminoethane-2-ols le e tsamaisanang le protonated salts, jwalo ka	
	N,N-Diisopropyl-(beta)-aminoethanol	(96-80-0)

Tlohelliso:

N,N-Dimethylaminoethanol	(108-01-0)
le e tsamaisanang le protonated salts	
Protonated salts of N,N-Diethylaminoethanol	(100-37-8)

(12) N,N-Dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl) aminoethane-2-thiols le e tsamaisanang le protonated salts, jwalo ka

N,N-Diisopropyl-(beta)-aminoethane thiol	(5842-07-9)

(13) Thiodiglycol:

Bis (2-hydroxyethyl) sulphide	(111-48-8)

(14) Pinacolyl alcohol:

3,3-Dimethylbutan-2-ol	(464-07-3)

SEHLOMATHISO C

Shejule 3 ya Kopano ya Dibetsa tsa Khemikhale

		(Palo ya Ngodiso ya Tshebeletso ya Kgulo Khemikhale)
A.	**Dikhemikhale tsa tjhefu:**	
(1)	Phosgene: Carbonyl dichloride	(75-44-5)
(2)	Cyanogen chloride	(506-77-4)
(3)	Hydrogen cyanide	(74-90-8)
(4)	Chloropicrin: Trichloronitromethane	(76-06-2)
B.	**Diketsahalo tsa pele:**	
(5)	Phosphorus oxychloride	(10025-87-3)
(6)	Phosphorus trichloride	(7719-12-2)
(7)	Phosphorus pentachloride	(10026-13-8)
(8)	Trimethyl phosphite	(121-45-9)
(9)	Triethyl phosphite	(122-52-1)
(10)	Dimethyl phosphite	(868-85-9)
(11)	Diethyl phosphite	(762-04-9)
(12)	Sulphur monochloride	(10025-67-9)

(13)	Sulphur dichloride	(10545-99-0)
(14)	Thionyl chloride	(7719-09-7)
(15)	Ethyldiethanolamine	(139-87-7)
(16)	Methyldiethanolamine	(105-59-9)
(17)	Triethanolamine	(102-71-6)

SEHLOMATHISO D

(Palo ya Ngodiso ya Tshebeletso ya Kgulo Khemikhale)

Dikhemikhale tsa tjhefu:

(1)	3-Hydroxy-1-methylpiperidine	(3554-74-3)
(2)	Potassium fluoride	(7789-23-3)
(3)	2-Chloroethanol	(107-07-3)
(4)	Dimethylamine	(124-40-3)
(5)	Dimethylamine hydrochloride	(506-59-2)
(6)	Hydrogen fluoride	(7664-39-3)
(7)	Methyl benzilate	(76-89-1)
(8)	3-Quinuclidone	(3731-38-2)
(9)	Pinacolone	(75-97-8)
(10)	Potassium cyanide	(151-50-8)
(11)	Potassium bifluoride	(7789-29-9)
(12)	Ammonium bifluoride	(1341-49-7)
(13)	Sodium bifluoride	(1333-83-1)
(14)	Sodium fluoride	(7681-49-4)

(15)	Sodium cyanide	(143-33-9)
(16)	Phosphorus pentasulphide	(1314-80-3)
(17)	Di-isopropylamine	(108-18-9)
(18)	Diethylaminoethanol	(100-37-8)
(19)	Sodium sulphide	(1313-82-2)
(20)	Triethanolamine hydrochloride	(637-39-8)
(21)	Triisopropyl phosphite	(116-17-6)
(22)	O,O-Diethyl phosphorothioate	(2465-65-8)
(23)	O,O-Diethyl phosphorodithioate	(298-06-6)
(24)	Sodium hexafluorosilicate	(16893-85-9)

SEHLOMATHISO E

(Palo ya Ngodiso ya
Tshebeletso ya Kgulo
Khemikhale)

Kemedi ya taolo ya morusu

Kemedi ya taolo ya morusu e ka mokgwa o latelang:

(1)	α-Bromobenzeneacetonitrile, (Bromobenzyl cyanide), (CA)	(5798-79-8)
(2)	2-Chloro-1-phenyl-ethanone, (Phenylacyl chloride), (ω-chloroacetophenone), (CN)	(532-27-4)
(3)	[(2-chlorophenyl)-methylene] propanedinitrile, (o-Chlorobenzylidenemalonitrile), (CS)	(2698-41-1)
(4)	Dibenz (b,f)-1,4-oxazephine, (CR)	(257-07-8)
(5)	Diphenylaminochloroarsine, (10-Chloro-5,10-dihydrophen-arsazine), (Phenarsazine chloride), (Adamsite), (DM)	(578-94-9)
(6)	N-nonanylmorpholine, (MPA)	(5299-64-9)
(7)	trans-8-Methyl-N-vanillyl-6-nonenamide, (Capsaicin), (Pepper Spray), [N-(4-hydroxy-3-methoxy benzyl)-8-methyl-non-trans-6-enamide],	(404-86-4)
(8)	Ethyl bromoacetate, (EBA)	(105-36-2)
(9)	Pelargonic acid vanillylamide	(2444-46-4)
(10)	Phenyl chloride	(108-90-7)

(11) Mixture of OC and CS

(12) Oleoresin capsicum (OC) (8023-77-6)

(13) 8-Methyl-N-vanillylnonamide (dihydrocapsaicin) (19408-84-5)

(14) N-Vanillyl-9-methyldec-7-(E)-enamide (homocapsaicin) (58493-48-4)

(15) N-Vanillyl-9-methyldecanamide (homodihydrocapsaicin) (20279-06-5)

(16) N-Vanillyl-7-methyloctanamide (nordihydrocapsaicin) (28789-35-7)

(17) 2'-Chloroacetophenone (2142-68-9)

(18) 3'-Chloroacetophenone (99-02-5)

(19) α-Chlorobenzylidenemalononitrile (18270-61-6)

(20) Cis-4-acetylaminodicyclohexylmethane (37794-87-9)

(21) N,N'-Bis (isopropyl) ethylenediimine (E,E 28227-41-0; Z,Z 185245-09-4)

(22) N,N'-Bis (tert-butyl) ethylenediimine (30834-74-3; E,E 28227-42-1)

SEHLOMATHISO F

(Palo ya Ngodiso ya
Tshebeletso ya Kgulo
Khemikhale)

***Antiplant agents*:**

Antiplant agents di ka mokgwa o latelang:

(1)	Butyl 2-chloro-4-fluorophenoxyacetate (LNF)	(1692-85-9)
(2)	Mixtures of 2,4,5-T and 2,4-D where:	
	2,4,5-T: 2,4,5-Trichlorophenoxyacetic acid	(93-76-5)
	2,4-D: 2,4-Dichlorophenoxyacetic acid	(94-75-7)
(3)	Mixtures of Picloram where:	
	Picloram: 4-Amino-3,5,6-trichloropicolinic acid	(1918-02-1)
(4)	Dimethylarsinic acid (Cacodylic acid)	(75-60-5)