

The Republic of the Union of Myanmar  
Ministry of Industry

**Central Leading Board on Prevention of Hazard from Chemical  
and Related Substances  
Notification No: 3/2016**

The 10<sup>th</sup> Waning Day of Nayon 1378 ME  
30<sup>th</sup> June, 2016

**Issuing the List of Prohibited Chemical**

The 26 numbers of Persistent Organic Pollutants(POPs) which were specified by Stockholm Convention, the one number of chemical which was banned by Vienna Convention and Montreal Protocol, the 26 numbers of Prior Informed Consent pesticide which were issued by Pesticide Registration Board (Ministry of Agriculture, Livestock and Irrigation) with the notification number(1/2013) and the 12 numbers of chemical in Schedule-1 of Chemical Weapon Convention, totally, the 65 numbers of chemical are specified as the Prohibited Chemicals under section 5, sub-section (h) of Prevention of Hazard from Chemical and Related Substance Law:

**(a) Persistent Organic Pollutants (POPs) which were specified by Stockholm Convention**

- (1) Aldrin
- (2) Chlordane
- (3) Dieldrin
- (4) Endrin
- (5) Heptachlor
- (6) Hexachlorobenzene
- (7) Mirex
- (8) Toxaphene
- (9) Polychlorinated Biphenyls (PCBs)
- (10) Chlordecone
- (11) Alpha Hexachlorocyclohexane( $\alpha$ -HCH)
- (12) Beta Hexachlorocyclohexane( $\beta$ -HCH)
- (13) Lindane(Gamma Hexachlorocyclohexane)
- (14) Pentachlorobenzene
- (15) Hexabromobiphenyl

- (16) Hexabromodiphenyl Ether and Heptabromodiphenyl Ether
- (17) Tetrabromodiphenyl Ether and Pentabromodiphenyl Ether
- (18) Dichlorodiphenyltrichloroethane(DDT)
- (19) Perfluorooctane Sulfonic Acid(PFOS), its salts and PFOS-fluoride
- (20) Dioxins(Polychlorinated-dibenzo-p-dioxins)
- (21) Furans(Polychlorinated-dibenzofurans)
- (22) Endosulfan
- (23) Hexabromocyclododecane
- (24) Chlorinated Naphthalenes
- (25) Hexachlorobutadiene
- (26) Pentachlorophenol

(b) **Banned Chemical by Vienna Convention and Montreal Protocol**

- (1) Chloro-fluro-carbon(CFC)

(c) **Prior Informed Consent Pesticide which were issued by Pesticide Registration Board**

- (1) Aldicarb
- (2) Alachlor
- (3) Arsenic Compound
- (4) Binapacryl
- (5) Captafol
- (6) Chlordimeform
- (7) Chlorobenzilate
- (8) Cyhexatine
- (9) Dinoseb
- (10) DNOC
- (11) Ethylene Dibromide(EDB)
- (12) Ethylene Dichloride
- (13) EPN
- (14) Ethylene Oxide
- (15) Fluoroacetamide
- (16) Methomyl
- (17) Mercury Compounds
- (18) Methamidophos
- (19) Methyl Parathion
- (20) Monocrotophos

- (21) Parathion Ethyl
- (22) Pentachlorophenol(PCP)
- (23) Phosphamidon
- (24) Strobane
- (25) 2,4,5- T and 2,4,5-TP
- (26) Tributyltin Compound

(d) **Chemicals in Schedule-1 of Chemical Weapon Convention**

**A. Toxic chemicals:**

- (1) O-Alkyl( $\leq C_{10}$ , incl.cycloalkyl) alkyl  
(Me, Et, n-Pr or i-Pr)-phosphonofluoridates  
e.g. Sarin : O-Isopropyl ethylphosphonofluoridate  
Soman : O-Pinacolyl methylphosphonofluoridate
- (2) O-Alkyl( $\leq C_{10}$ , incl.cycloalkyl) N,N-dialkyl  
(Me, Et, n-Pr or i-Pr)phosphoramidocyanidates  
e.g Tabun : O-Ethyl N,N-dimethyl phosphoramido  
cyanidate
- (3) O-Alkyl( H or  $\leq C_{10}$ , incl.cycloalkyl) S-2-dialkyl  
(Me, Et, n-Pr ori-Pr)-aminoethyl alkyl  
(Me, Et, n-Pr or i-Pr)phosphonothiolates and  
corresponding alkylated or protonated salts  
e.g VX : O-Ethyl S-2 diisopropylaminoethylmethyl  
phosphonothiolate
- (4) Sulfur mustards:  
2-Chloroethylchloromethylsulfide  
Mustard gas: Bis(2-chloroethyl)sulfide  
Bis(2-chloroethylthio)methane  
Sesquimustard: 1,2-Bis(2-chloroethylthio)ethane  
1,3-Bis(2-chloroethylthio)-n-propane  
1,4-Bis(2-chloroethylthio)-n-butane  
1,5-Bis(2-chloroethylthio)-n-pentane  
Bis(2-chloroethylthiomethyl)ether  
O-Mustard: Bis(2-chloroethylthioethyl)ether
- (5) Lewisites:  
Lewisite 1: 2-Chlorovinylchloroarsine  
Lewisite 2: Bis(2-chlorovinyl)chloroarsine  
Lewisite 3: Tris(2-chlorovinyl)arsine

- (6) Nitrogen mustards:  
 HN1: Bis(2-chloroethyl) ethylamine  
 HN2: Bis(2-chloroethyl) methylamine  
 HN3: Tris(2-chloroethyl) amine
- (7) Saxitoxin
- (8) Ricin

**B. Precursors:**

- (9) Alkyl (Me, Et, n-Pr or i-Pr) phosphonyldifluorides  
 e.g. DF: Methylphosphonyldifluoride
- (10) O-Alkyl (H or  $\leq C_{10}$ , incl. cycloalkyl) O-2-dialkyl  
 (Me, Et, n-Pr or i-Pr) - aminoethyl alkyl  
 (Me, Et, n-Pr or i-Pr) - phosphonites and corresponding  
 alkylated or protonated salts  
 e.g. QL: O-Ethyl O-2-diisopropylaminoethyl  
 methylphosphonite
- (11) Chlorosarin : O-Isopropyl methylphosphonochloridate
- (12) Chlorosoman : O-Pinacolyl methylphosphonochloridate

Chairman  
 Central Leading Board on Prevention of Hazard  
 from Chemical and Related Substances

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