



**OPCW**

**Executive Council**

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**NOTE BY THE DIRECTOR-GENERAL**

**LISTS OF NEW VALIDATED DATA OF SCHEDULED CHEMICALS  
FOR APPROVAL BY THE EXECUTIVE COUNCIL  
FOR INCLUSION IN THE OPCW CENTRAL ANALYTICAL DATABASE**

1. In accordance with a decision by the Executive Council (hereinafter “the Council”) at its Fourth Session (EC-IV/DEC.2, dated 5 September 1997), “Proposed Mechanism for Updating the OPCW Central Analytical Database”, which was subsequently adopted by the Conference of the States Parties at its Second Session (subparagraph 11.2(c) of C-II/8, dated 5 December 1997), the Director-General established a Validation Group (hereinafter “the Group”) to evaluate new data to be proposed for inclusion in that database. The Group met for the thirty-fifth time on 20 and 21 March 2012, and submitted lists of validated analytical data to the Director-General for appropriate action.
2. In accordance with the aforementioned mechanism, lists of new validated data proposed for inclusion will be submitted to the members of the Council and distributed to all States Parties no later than 30 days before the opening of the Sixty-Ninth Session, during which the Council will be requested to consider the data. The Technical Secretariat (hereinafter “the Secretariat”) hereby submits to the members of the Council and distributes to all States Parties, in the annex to this Note, lists of new validated analytical data proposed for inclusion in the OPCW Central Analytical Database (OCAD).
3. The Verification Division will, upon request, make available to States Parties copies of the new validated mass spectrometry (MS), gas chromatography (retention index) (GC(RI)), and infrared spectroscopy (IR) data listed in the annex. In accordance with the mechanism referred to in paragraph 1 above, any State Party that has concerns about the proposed inclusion in the OCAD of any of this data should make them known to the Secretariat before the Sixty-Ninth Session of the Council.

Annex (English only):

Lists of New Validated Data of Scheduled Chemicals



## Annex

## LISTS OF NEW VALIDATED DATA OF SCHEDULED CHEMICALS

TABLE 1: LIST OF VALIDATED MS DATA

OPCW Code	Chemical Name	Schedule
04-2-0502	Propyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-2-0503	Isopropyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-2-0504	Butyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-2-0505	sec-Butyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-2-0506	Isobutyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-2-0507	tert-Butyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-2-0508	Pentyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-2-0509	1-Methylbutyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-2-0510	2-Methylbutyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-2-0511	3-Methylbutyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
07-2-3063	2-(N,N-Dimethylamino)ethanethiol	2.B.12
17-2-0347	Dibutyl diethylpyrophosphonate	2.B.04
17-2-0348	Diisobutyl diethylpyrophosphonate	2.B.04
17-2-0349	Diethyl dipropylpyrophosphonate	2.B.04
17-2-0350	Dimethyl P-ethyl-P'-propyldiphosphonate	2.B.04
17-2-0351	Propyl N,N-dipropyl-P-ethylphosphonamidate	2.B.04
17-2-0352	Butyl N,N-dipropyl-P-ethylphosphonamidate	2.B.04
17-2-0353	Isobutyl N,N-dipropyl-P-ethylphosphonamidate	2.B.04
17-2-0354	N,N,N',N'-Tetrapropyl-P-ethylphosphonodiamidate	2.B.04
17-2-0356	N,N,N',N'-Tetrapropyl-P,P'-diethyldiphosphono-P,P'-diamidate	2.B.04
17-2-0357	2-(N,N-Dipropylamino)ethyl N,N-dipropyl-P-ethylphosphonamidate	2.B.04
17-2-0358	O'-Isobutyl N,N-dipropyl-P,P'-diethyldiphosphono-P-amidate	2.B.04
17-2-0361	O'-Butyl N,N-dipropyl-P,P'-diethyldiphosphono-P-amidate	2.B.04
17-2-0362	O'-Ethyl N,N-dipropyl-P,P'-diethyldiphosphono-P-amidate	2.B.04
17-2-0363	N,N-Dipropyl-P-ethylphosphoramidic chloride	2.B.04
17-2-0364	N,N-Dipropyl-P-propylphosphoramidic chloride	2.B.04
17-2-0365	Methyl N,N-dipropyl-P-ethylphosphonamidate	2.B.04
17-2-0366	O'-Methyl N,N-dipropyl-P,P'-diethyldiphosphono-P-amidate	2.B.04
17-2-0367	Ethyl N,N-dipropyl-P-ethylphosphonamidate	2.B.04
17-2-0370	6,8-Diethyldodecahydridibenzo[f,i][1,3,5,8,2,4]tetroxadiphospecine-6,8-dioxide	2.B.04

TABLE 2: LIST OF VALIDATED GC(RI) DATA

Note: A "1" under the "Column" heading means an HP5 or an SE54 column; a "2" under the "Column" heading means a DB-5MS column.

OPCW Code	Chemical Name	Schedule	Column	RI(a)	RI(b)
04-4-0311	Propyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	1	1790	
04-4-0312	Isopropyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	1	1707	
04-4-0313	Butyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	1	1879	
04-4-0314	sec-Butyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	1	1799	1805
04-4-0315	Isobutyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	1	1834	
04-4-0316	tert-Butyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	1	1754	
04-4-0317	Pentyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	1	1974	
04-4-0319	2-Methylbutyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	1	1932	
04-4-0320	3-Methylbutyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	1	1930	
17-4-0437	Dimethylpyrophosphonic dichloride	2.B.04	1	1264	1297
17-4-0438	Diethylpyrophosphonic dichloride	2.B.04	1	1437	1477
17-4-0439	Dipropylpyrophosphonic dichloride	2.B.04	1	1594	1631
17-4-0440	P-Ethyl-P'-propyldiphosphonic dichloride	2.B.04	1	1521	1558
17-4-0441	Ethyl methyl diethyldiphosphonate	2.B.04	1	1499	
17-4-0442	Methyl propyl diethyldiphosphonate	2.B.04	1	1585	
17-4-0443	Dibutyl diethylpyrophosphonate	2.B.04	1	1886	
17-4-0444	Diisobutyl diethylpyrophosphonate	2.B.04	1	1802	
17-4-0445	Diethyl dipropylpyrophosphonate	2.B.04	1	1687	
17-4-0446	Dimethyl P-ethyl-P'-propyldiphosphonate	2.B.04	1	1519	
17-4-0447	Propyl N,N-dipropyl-P-ethylphosphonamide	2.B.04	1	1540	
17-4-0448	Butyl N,N-dipropyl-P-ethylphosphonamide	2.B.04	1	1627	
17-4-0449	Isobutyl N,N-dipropyl-P-ethylphosphonamide	2.B.04	1	1582	
17-4-0451	N,N,N',N'-Tetraethyl-P-ethyl-P'-propyldiphosphono-P,P'-diamidate	2.B.04	1	2251	
17-4-0452	N,N,N',N'-Tetraethyl-P,P'-diethyldiphosphono-P,P'-diamidate	2.B.04	1	2207	
17-4-0454	O'-Isobutyl N,N-dipropyl-P,P'-diethyldiphosphono-P-amidate	2.B.04	1	2000	
17-4-0455	O'-Isopropyl N,N-dipropyl-P,P'-diethyldiphosphono-P-amidate	2.B.04	1	1934	
17-4-0456	O'-Propyl N,N-dipropyl-P,P'-diethyldiphosphono-P-amidate	2.B.04	1	1982	
17-4-0457	O'-Butyl N,N-dipropyl-P,P'-diethyldiphosphono-P-amidate	2.B.04	1	2040	

OPCW Code	Chemical Name	Schedule	Column	RI(a)	RI(b)
17-4-0458	O'-Ethyl N,N-dipropyl-P,P'-diethylidiphosphono-P-amidate	2.B.04	1	1903	
17-4-0459	N,N-Dipropyl-P-ethylphosphonamidic chloride	2.B.04	1	1479	
17-4-0460	N,N-Dipropyl-P-propylphosphonamidic chloride	2.B.04	1	1545	
17-4-0461	O'-Methyl N,N-dipropyl-P-ethylphosphonamidate	2.B.04	1	1415	
17-4-0462	Methyl N,N-dipropyl-P,P'-diethylidiphosphono-P-amidate	2.B.04	1	1862	
17-4-0463	Ethyl N,N-dipropyl-P-ethylphosphonamidate	2.B.04	1	1454	
17-4-0465	2-Ethyl-octahydro-1H-1,3,2-benzodiazaphosphole-2-oxide	2.B.04	1	1707	
17-4-0467	2,4-Dimethylhexahydro-1,3,5,2,4-benzotrioxadiphosphopine-2,4-disulfide	2.B.04	1	1963	
17-4-0468	2,4-Dimethylhexahydro-1,5,3,2,4-benzodioxathiadiphosphopine-2,4-disulfide	2.B.04	1	2252	
17-4-0469	2,4-Diethylhexahydro-1,3,5,2,4-benzotrioxadiphosphopine-2,4-disulfide	2.B.04	1	2115	
17-4-0470	6-(2-Chloroethyl)-2-propyl-1,3,6,2-dioxazaphosphocane-2-sulfide	2.B.04	1	1943	
17-4-0471	6-(2-Chloroethyl)-2-ethyl-1,3,6,2-dioxazaphosphocane-2-sulfide	2.B.04	1	1851	
17-4-0472	6-(2-Chloroethyl)-2-methyl-1,3,6,2-dioxazaphosphocane-2-sulfide	2.B.04	1	1762	
17-4-0473	2-(2-Ethyl-2-sulfido-1,3,6,2-dioxazaphosphocan-6-yl)ethanol	2.B.04	1	1833	
17-4-0474	2-Ethyl-6-[2-(trimethylsilyloxyethyl)-1,3,6,2-dioxazaphosphocane-2-sulfide]	2.B.04	1	1912	

**TABLE 3: LIST OF VALIDATED IR DATA**

<b>OPCW Code</b>	<b>Chemical Name</b>	<b>Schedule</b>
04-1-0324v	Propyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-1-0325v	Isopropyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-1-0326v	Butyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-1-0327v	sec-Butyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-1-0328v	Butyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-1-0329v	tert-Butyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-1-0330v	Pentyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-1-0331v	1-Methylbutyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-1-0332v	2-Methylbutyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-1-0333v	3-Methylbutyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03

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