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8 – 11 October 2024

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### DECISION

#### LISTS OF NEWLY VALIDATED DATA ON SCHEDULED CHEMICALS FOR INCLUSION IN THE OPCW CENTRAL ANALYTICAL DATABASE

**The Executive Council,**

**Recalling** that the Executive Council (the Council) at its Fourth Session adopted the decision on the “Proposed Mechanism for Updating the OPCW Central Analytical Database” (EC-IV/DEC.2, dated 5 September 1997), 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);

**Also recalling** that the Director-General established a Validation Group to evaluate new data proposed for inclusion in the OPCW Central Analytical Database (OCAD) and that the Group, at its fifty-seventh meeting held on 10 and 11 April 2024 (in a hybrid format), forwarded the combined lists of validated analytical data to the Director-General for recommendation for inclusion in the OCAD (S/2282/2024, dated 10 May 2024);

**Recalling further** that the Director-General has forwarded to the Council for consideration at its 107th Session the Note entitled “Lists of Newly Validated Data on Scheduled Chemicals for Approval by the Executive Council for Inclusion in the OPCW Central Analytical Database” (EC-107/DG.1, dated 13 June 2024);

**Bearing in mind** that the Verification Division made available to States Parties, upon request, copies of the newly validated infrared spectroscopy (IR), mass spectrometry (MS), nuclear magnetic resonance (NMR), gas chromatography (retention index) (GC(RI)), and gas chromatography-high resolution mass spectrometry (GC-HRMS) data listed in the Annex to EC-107/DG.1 and that, in accordance with the mechanism for updating the OCAD referred to in the first paragraph above, any State Party with concerns about the proposed inclusion in the OCAD of any data contained in the Annex to EC-107/DG.1 had the opportunity to make their concerns known to the Technical Secretariat (the Secretariat) before the 107th Session of the Council; and

**Also bearing in mind** that no concerns in relation to the proposed inclusion in the OCAD of any of the data listed in the Annex to EC-107/DG.1 and reproduced in the Annex hereto were communicated to the Secretariat before the 107th Session of the Council;

**Hereby:**

**Approves** the inclusion in the OCAD of the lists of newly validated data annexed hereto.

Annex (English only):            Lists of Newly Validated Data on Scheduled Chemicals



## Annex

## LISTS OF NEWLY VALIDATED DATA ON SCHEDULED CHEMICALS

TABLE 1: LIST OF APPROVED IR DATA ON SCHEDULED CHEMICALS

OPCW Code	Chemical Name	Schedule
04-1-0454v	2-Methylbutyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02
04-1-0455v	1-Methylpentyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02
04-1-0457v	Heptyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02
04-1-0462v	1-Methyloctyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02

TABLE 2: LIST OF APPROVED MS DATA ON SCHEDULED CHEMICALS

OPCW Code	Chemical Name	Schedule
04-2-0642	2-Methylbutyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02
04-2-0645	Heptyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02
04-2-0646a	1-Methylhexyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02
04-2-0646b	1-Methylhexyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02
04-2-0647a	1-Methylheptyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02
04-2-0647b	1-Methylheptyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02
04-2-0648	2-Ethylhexyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02
04-2-0649	Nonyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02
04-2-0650a	1-Methyloctyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02
04-2-0650b	1-Methyloctyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02
04-2-0651	Decyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02
36-2-0003	Diphenyl methylphosphonate	2.B.04
07-2-3023	N,N-Dimethyl-N-(2-trimethylsilylthioethyl)amine	DS <sup>1</sup>
07-2-3024	N-Ethyl-N-methyl-N-(2-trimethylsilylthioethyl)amine	DS
07-2-3025	N-Methyl-N-propyl-N-(2-trimethylsilylthioethyl)amine	DS
07-2-3026	N-Isopropyl-N-methyl-N-(2-trimethylsilylthioethyl)amine	DS
07-2-3027	N,N-Diethyl-N-(2-trimethylsilylthioethyl)amine	DS
07-2-3028	N-Ethyl-N-propyl-N-(2-trimethylsilylthioethyl)amine	DS
07-2-3029	N-Ethyl-N-isopropyl-N-(2-trimethylsilylthioethyl)amine	DS

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Compounds denoted as DS in this table are analytical derivatives (using approved on-site derivatising agents) of Schedules 2.B.11 and 2.B.12 chemicals.

OPCW Code	Chemical Name	Schedule
07-2-3030	N,N-Dipropyl-N-(2-trimethylsilylthioethyl)amine	DS
07-2-3031	N-Isopropyl-N-propyl-N-(2-trimethylsilylthioethyl)amine	DS
07-2-3032	N,N-Diisopropyl-N-(2-trimethylsilylthioethyl)amine	DS
07-2-3034	N-Ethyl-N-methyl-N-(2-trimethylsilyloxyethyl)amine	DS
07-2-3035	N-Methyl-N-propyl-N-(2-trimethylsilyloxyethyl)amine	DS
07-2-3036	N-Isopropyl-N-methyl-N-(2-trimethylsilyloxyethyl)amine	DS
07-2-3038	N-Ethyl-N-propyl-N-(2-trimethylsilyloxyethyl)amine	DS
07-2-3039	N-Ethyl-N-isopropyl-N-(2-trimethylsilyloxyethyl)amine	DS
07-2-3040	N,N-Dipropyl-N-(2-trimethylsilyloxyethyl)amine	DS
07-2-3041	N-Isopropyl-N-propyl-N-(2-trimethylsilyloxyethyl)amine	DS
07-2-3042	N,N-Diisopropyl-N-(2-trimethylsilyloxyethyl)amine	DS

**TABLE 3: LIST OF APPROVED NMR DATA ON SCHEDULED CHEMICALS**

OPCW Code	Chemical Name	Schedule
23-3-0005	N-(1-(Diethylamino)ethylidene)-P-methylphosphonamidic fluoride	1.A.13
23-3-0006	N-(1-(Diethylamino)ethylidene)-P-methylphosphonamidic fluoride	1.A.13
23-3-0007	N-(1-(Diethylamino)ethylidene)-P-methylphosphonamidic fluoride	1.A.13
23-3-0008	N-(1-(Diethylamino)ethylidene)-P-methylphosphonamidic fluoride	1.A.13
23-3-0009	N-(1-(Diethylamino)ethylidene)-P-methylphosphonamidic fluoride	1.A.13
23-3-0010	Methyl N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14
23-3-0013	Methyl N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14
23-3-0014	Ethyl N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14
23-3-0017	Ethyl N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14

**TABLE 4: LIST OF APPROVED GC(RI) DATA ON SCHEDULED CHEMICALS**

Note: A “1” under the “Column” heading for GC(RI) data means an HP5 or an SE54 column, and a “2” means a DB-5MS column.

OPCW Code	Chemical Name	Schedule	Column	RI(a)	RI(b)
04-4-0451	2-Methylbutyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02	1	1587	
04-4-0454	Heptyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02	1	1824	
04-4-0455	1-Methylhexyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02	1	1725	1733
04-4-0456	1-Methylheptyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02	1	1828	1836
04-4-0457	2-Ethylhexyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02	1	1836	
04-4-0458	Nonyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02	1	2028	
04-4-0459	1-Methyloctyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02	1	1920	1930
04-4-0460	Decyl N-ethyl-N-propylphosphoramidocyanidate	1.A.02	1	2132	
36-4-0001	Diisopropyl methylphosphonate	2.B.04	1	1074	
36-4-0003	Diphenyl methylphosphonate	2.B.04	1	1895	
28-4-0053	Phenyl N,N-dimethyl-P-methylphosphonamidate	2.B.04	1	1530	
07-4-2786	N,N-Dimethyl-N-(2-trimethylsilylthioethyl)amine	DS <sup>2</sup>	2	1116	
07-4-2787	N-Ethyl-N-methyl-N-(2-trimethylsilylthioethyl)amine	DS	2	1191	
07-4-2788	N-Methyl-N-propyl-N-(2-trimethylsilylthioethyl)amine	DS	2	1265	
07-4-2789	N-Isopropyl-N-methyl-N-(2-trimethylsilylthioethyl)amine	DS	2	1266	
07-4-2790	N,N-Diethyl-N-(2-trimethylsilylthioethyl)amine	DS	2	1252	
07-4-2791	N-Ethyl-N-propyl-N-(2-trimethylsilylthioethyl)amine	DS	2	1324	

2 Compounds denoted as DS in this table are analytical derivatives (using approved on-site derivatising agents) of Schedules 2.B.11 and 2.B.12 chemicals.

<b>OPCW Code</b>	<b>Chemical Name</b>	<b>Schedule</b>	<b>Column</b>	<b>RI(a)</b>	<b>RI(b)</b>
07-4-2792	N-Ethyl-N-isopropyl-N-(2-trimethylsilylthioethyl)amine	DS	2	1310	
07-4-2793	N,N-Dipropyl-N-(2-trimethylsilylthioethyl)amine	DS	2	1396	
07-4-2794	N-Isopropyl-N-propyl-N-(2-trimethylsilylthioethyl)amine	DS	2	1382	
07-4-2795	N,N-Diisopropyl-N-(2-trimethylsilylthioethyl)amine	DS	2	1369	
07-4-2797	N-Ethyl-N-methyl-N-(2-trimethylsilyloxyethyl)amine	DS	2	1003	
07-4-2798	N-Methyl-N-propyl-N-(2-trimethylsilyloxyethyl)amine	DS	2	1063	
07-4-2799	N-Isopropyl-N-methyl-N-(2-trimethylsilyloxyethyl)amine	DS	2	1063	
07-4-2801	N-Ethyl-N-propyl-N-(2-trimethylsilyloxyethyl)amine	DS	2	1117	
07-4-2802	N-Ethyl-N-isopropyl-N-(2-trimethylsilyloxyethyl)amine	DS	2	1106	
07-4-2803	N,N-Dipropyl-N-(2-trimethylsilyloxyethyl)amine	DS	2	1185	
07-4-2804	N-Isopropyl-N-propyl-N-(2-trimethylsilyloxyethyl)amine	DS	2	1174	
07-4-2805	N,N-Diisopropyl-N-(2-trimethylsilyloxyethyl)amine	DS	2	1164	

**TABLE 5: LIST OF APPROVED GC-HRMS DATA ON SCHEDULED CHEMICALS**

<b>OPCW Code</b>	<b>Chemical Name</b>	<b>Schedule</b>
02-7-0003	Bis(trimethylsilyl) methylphosphonate	2.B.04
02-7-0004	Ethyl trimethylsilyl methylphosphonate	2.B.04
02-7-0005	Isopropyl trimethylsilyl methylphosphonate	2.B.04
14-7-0001	Bis(trimethylsilyl) methylphosphonate	2.B.04
14-7-0002	Ethyl trimethylsilyl methylphosphonate	2.B.04
14-7-0003	Isopropyl trimethylsilyl methylphosphonate	2.B.04
14-7-0005	Bis(2-trimethylsilyloxyethyl)sulfide	DS <sup>3</sup>

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The compound denoted as DS in this table is an analytical derivative (using approved on-site derivatising agents) of a Schedule 2.B.13 chemical.