



OPCW

Executive Council

109th Session
8 – 11 July 2025

EC-109/DEC.2
8 July 2025
Original: ENGLISH

DECISION

LISTS OF NEWLY VALIDATED DATA ON NON-SCHEDULED CHEMICALS RELEVANT TO THE CHEMICAL WEAPONS CONVENTION FOR INCLUSION IN THE OPCW CENTRAL ANALYTICAL DATABASE

The Executive Council,

Recalling that the Executive Council (the Council) at its Fourth Session adopted a 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 (the Conference) at its Second Session (subparagraph 11.2(c) of C-II/8, dated 5 December 1997);

Recalling also 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-eighth meeting held on 18 and 19 September 2024 and fifty-ninth meeting held on 9 and 10 April 2025 (both in hybrid format), forwarded the lists of validated analytical data on non-scheduled chemicals relevant to the Chemical Weapons Convention (the Convention), with their justification statements, to the Director-General for appropriate action (S/2330/2024, dated 29 October 2024 and S/2399/2025, dated 2 May 2025);

Recalling further that the Director-General has forwarded to the Council for consideration at its 109th Session the Note entitled “Lists of Newly Validated Data on Non-scheduled Chemicals Relevant to the Chemical Weapons Convention for Approval by the Executive Council for Inclusion in the OPCW Central Analytical Database” (EC-109/DG.6, dated 6 May 2025);

Recalling further that the use of data on non-scheduled chemicals relevant to the Convention during inspections is subject to the inspected State Party’s agreement, in accordance with the decision of the Council at its Eighty-Sixth Session (EC-86/DEC.10, dated 13 October 2017) and of the Conference at its First Session (C-I/DEC.64, dated 22 May 1997 and Corr.1, dated 13 October 1997);

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), and gas chromatography (retention index) (GC(RI)) data listed in the Annex to EC-109/DG.6 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-109/DG.6 had the opportunity to make their concerns known to the Technical Secretariat (the Secretariat) before the 109th Session of the Council;



Bearing in mind also that no concerns in relation to the proposed inclusion in the OCAD of any of the data listed in the Annex to EC-109/DG.6 and reproduced in the Annex hereto were communicated to the Secretariat before the 109th Session of the Council; and

Bearing in mind further that the States Parties can raise their concerns about the inclusion in the OCAD of any of the data annexed to this decision, for consideration by the Secretariat and the Council;

Hereby:

1. **Approves** the inclusion in the OCAD of the lists of newly validated data annexed hereto; and
2. **Recognises** that the use of data on non-scheduled chemicals relevant to the Convention during inspections is subject to the inspected State Party's agreement, in accordance with EC-86/DEC.10 and C-I/DEC.64 and Corr.1.

Annex (English only): Lists of Newly Validated Data on Non-scheduled Chemicals Relevant to the Chemical Weapons Convention

Annex

LISTS OF NEWLY VALIDATED DATA ON NON-SCHEDULED CHEMICALS
RELEVANT TO THE CHEMICAL WEAPONS CONVENTION

TABLE 1: LIST OF APPROVED MS DATA ON NON-SCHEDULED CHEMICALS RELEVANT TO THE CONVENTION¹

OPCW Code	Chemical Name	Schedule	Justification
09-1-0014	N,N-Dimethyl-N-(2-trimethylsilyloxyethyl)amine ²	NS	TMS derivative of N,N-dimethylaminoethanol. Exempted in 2.B.11, but a degradation product of 1.A.03 chemicals
19-1-0014	Tris(2-chloroethyl)amine hydrochloride ³	PS ⁴	Protonated salt of 1.A.06
19-1-0023x	2-Chloroacetophenone ⁵	NS	Riot control agent as established in SAB-25/WP.1 (dated 27 March 2017)
19-1-0030x	Pelargonic acid vanillylamide ⁶	NS	Riot control agent as established in SAB-25/WP.1

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- ¹ Data previously evaluated during the nineteenth, thirty-fourth, and thirty-sixth meetings of the Validation Group and re-evaluated during the fifty-ninth meeting of the Validation Group.
- ² Chemical accepted into OCAD_v20_2018 as MS data (07-2-3033) and GC(RI) data (07-4-2796) (decision EC-86/DEC.10).
- ³ Chemical accepted into OCAD_v6v8 as IR data (08-1-0199) and NMR data (06-3-0215, 06-3-0217, 07-3-0179, 07-3-0180) (decision C-1/DEC.64 and Corr.1).
- ⁴ Non-scheduled protonated salt of the scheduled chemical.
- ⁵ Chemical accepted into OCAD_v20_2018 as MS data (16-2-0018) and GC(RI) data (16-4-0047 and 19-4-0007) (EC-86/DEC.10).
- ⁶ Chemical accepted into OCAD_v20_2018 as MS data (25-2-0018) and GC(RI) data (24-4-0057r) (EC-86/DEC.10).

TABLE 2: LIST OF APPROVED MS DATA ON NON-SCHEDULED CHEMICALS RELEVANT TO THE CONVENTION

OPCW Code	Chemical Name	Schedule	Justification	Classification
02-2-0087	2-Hydroxyethyl vinyl sulfone	NS	Reaction by-product or degradation product of 1.A.04	NDP-H ⁷
02-2-0088	2-(2-Chloroethanesulfonyl)ethan-1-ol	NS		
04-2-0653	Methyl N-(1-(diethylamino)ethylidene)phosphoramidochloridate	NS	Reaction by-product, precursor, or degradation product of 1.A.14	NDP-N ⁸
04-2-0655	Ethyl N-(1-(diethylamino)ethylidene)phosphoramidochloridate	NS		
04-2-0657	N-(1-(Diethylamino)ethylidene)phosphoramidic difluoride	NS		
04-2-0658	N-(1-(Diethylamino)ethylidene)phosphoramidic dichloride	NS		
05-2-0202	N,N-Diethyl-N'-(trimethylsilyl)acetimidamide	NS	Precursor of 1.A.13 and 1.A.14	NDP-N
05-2-0203	N,N-Dipropyl-N'-(trimethylsilyl)acetimidamide	NS		
05-2-0204	N-Methyl-N-propyl-N'-(trimethylsilyl)acetimidamide	NS		
05-2-0205	N,N,N',N'-Tetraethyl-N''-(trimethylsilyl)guanidine	NS	Precursor of 1.A.15	NDP-N
08-2-0092	Dimethyl trimethylsilyl phosphate ⁹	NS	Derivatised reaction by-product of 1.A.01	NDP-G ¹⁰

⁷ Non-scheduled precursors, degradation products, known synthesis impurities, or by-products related to Schedule 1.A.04.
⁸ Non-scheduled precursors, degradation products, known synthesis impurities, or by-products related to Schedules 1.A.13, 1.A.14, 1.A.15, and 1.A.16.
⁹ Data evaluated during thirty-ninth meeting of the Validation Group and corresponding GC(RI) data (08-4-0067) already accepted into OCAD_v23_2021 (decision EC-96/DEC.2).
¹⁰ Non-scheduled precursors, degradation products, known synthesis impurities, or by-products related to Schedules 1.A.01, and 1.A.02.

TABLE 3: LIST OF APPROVED GC(RI) DATA ON NON-SCHEDULED CHEMICALS RELEVANT TO THE CONVENTION

OPCW Code	Chemical Name	Schedule	Column	RI(a)	Justification	Classification
02-4-0001	2-Hydroxyethyl vinyl sulfone	NS	1	1228	Reaction by-product or degradation product of 1.A.04	NDP-H
02-4-0002	2-(2-Chloroethanesulfonyl)ethan-1-ol	NS	1	1472		
04-4-0462	Methyl N-(1-(diethylamino)ethylidene)phosphoramidochloridate	NS	1	1793		
04-4-0464	Ethyl N-(1-(diethylamino)ethylidene)phosphoramidochloridate	NS	1	1842		
04-4-0466	N-(1-(Diethylamino)ethylidene)phosphoramidic difluoride	NS	1	1421	Reaction by-product, precursor, or degradation product of 1.A.14	NDP-N
04-4-0467	N-(1-(Diethylamino)ethylidene)phosphoramidic dichloride	NS	1	1825		
05-4-0208	N,N-Diethyl-N'-(trimethylsilyl)acetimidamide	NS	2	1127		
05-4-0209	N,N-Dipropyl-N'-(trimethylsilyl)acetimidamide	NS	2	1265	Precursor of 1.A.13 and 1.A.14	NDP-N
05-4-0210	N-Methyl-N-propyl-N'-(trimethylsilyl)acetimidamide	NS	2	1156		
05-4-0211	N,N,N',N'-Tetraethyl-N''-(trimethylsilyl)guanidine	NS	2	1312	Precursor of 1.A.15	NDP-N

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