

**Conference of the Parties to the Stockholm
Convention on Persistent Organic Pollutants
Twelfth meeting**

Geneva, 28 April–9 May 2025

Agenda item 5 (e)

**Matters related to the implementation of the Convention:
listing of chemicals in Annex A, B or C to the Convention**

**Draft decision SC-12/[--]: Listing of medium-chain chlorinated
paraffins***

**Submission by the contact group on the listing of chemicals under the
Stockholm Convention**

The Conference of the Parties,

Having considered the risk profile, the risk management evaluation and the addendum to the risk management evaluation for chlorinated paraffins with carbon chain lengths in the range C_{14–17} and chlorination levels at or exceeding 45 per cent chlorine by weight, as transmitted by the Persistent Organic Pollutants Review Committee,¹

Taking note of the recommendation by the Persistent Organic Pollutants Review Committee that chlorinated paraffins with carbon chain lengths in the range C_{14–17} and chlorination levels at or exceeding 45 per cent chlorine by weight be listed in Annex A to the Convention with specific exemptions and also taking note of the recommendation by the Committee that the Conference of the Parties consider inserting a new note in part I of Annex A that “C_{14–17} chloroalkanes of the following molecular formula: C₁₄H_(30–y)Cl_y where y ≥ 5; C₁₅H_(32–y)Cl_y where y ≥ 5; C₁₆H_(34–y)Cl_y where y ≥ 6; and C₁₇H_(36–y)Cl_y where y ≥ 6, were assessed and identified as persistent organic pollutants”,²

1. *Decides* to amend part I of Annex A to the Stockholm Convention on Persistent Organic Pollutants to list medium-chain chlorinated paraffins with specific exemptions by inserting the following row:

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¹ UNEP/POPS/POPRC.18/11/Add.3; UNEP/POPS/POPRC.19/9/Add.1; UNEP/POPS/POPRC.20/10/Add.2.

² UNEP/POPS/COP.12/13.

<i>Chemical</i>	<i>Activity</i>	<i>Specific exemption</i>
Medium-chain chlorinated paraffins (MCCPs)	Production	As allowed for the Parties listed in the Register in accordance with the provisions of Part [XIII] of this Annex
For the purposes of this Convention, substances or mixtures are considered as "Medium-chain chlorinated paraffins (MCCPs)" when they meet the definition in (i), (ii), or both (i) and (ii): (i) Substances or mixtures that contain linear chloroalkanes with carbon chain lengths in the range C ₁₄₋₁₇ and chlorination levels at or exceeding 45 per cent chlorine by weight; (ii) Substances or mixtures that contain linear C ₁₄₋₁₇ chloroalkanes of the following molecular formulae: C ₁₄ H _(30-y) Cl _y where y ≥ 5; C ₁₅ H _(32-y) Cl _y where y ≥ 5; C ₁₆ H _(34-y) Cl _y where y ≥ 6; C ₁₇ H _(36-y) Cl _y where y ≥ 6.	Use	In accordance with Part [XIII] of this Annex: <ul style="list-style-type: none"> • Flexible polyvinyl chloride (PVC), limited to the following uses: <ul style="list-style-type: none"> ○ Construction sector, including maintenance of buildings and other structures, for uses other than wires and cables, and excluding uses in indoor living spaces, e.g. flooring, wallpaper, wall panels ○ Wires and cables in the construction sector ○ Wires and cables in medical devices and in-vitro diagnostic devices ○ Calendered films in the packaging field, excluding food packaging • Solid woven conveyor belts used in underground coal mines • Flexible elastomeric foam for thermal insulation • Adhesives and sealants, limited to the following uses: <ul style="list-style-type: none"> ○ Polysulfide sealant and one-component polyurethane foam used in sealing for doors and windows ○ Waterproof coatings and anticorrosion coatings ○ Aerospace and defence applications (e.g., polyurethane adhesives and tamper-proof putty) • Tape used for non-structural bonding in aerospace and defence products • Fatliquoring component in leather, except in children's products • Emergency response pyrotechnic devices • Paints and coatings for ammunition and ammunition markings • Metalworking fluids, in accordance with the provisions of paragraphs 5 and 6 of Part [XIII] of this Annex • Polymers and rubbers (including PVC, ethylene propylene diene monomer (EPDM) rubber, chloroprene (CR), nitrile butadiene rubber (NBR) and chlorinated polyethylene (CPE)) used in repair and replacement parts, in accordance with the provisions of paragraph 7 of Part [XIII] of this Annex • Ammunition pyrotechnic defence devices to achieve specific effects (e.g., sound, smoke, light), in accordance with the provisions of paragraphs 8 and 12 of Part [XIII] • Intumescent coating and paint for space and defence equipment and its packaging to protect against extreme temperature, in accordance with the provisions of paragraphs 9 and 12 of Part [XIII] • Coating and paint for the repair of, and use in replacement parts for, space and defence equipment, in accordance with the provisions of paragraphs 10 and 11 of Part [XIII]

2. Further decides to insert a new part [XIII] in Annex A as follows:

Part [XIII]

Medium-chain chlorinated paraffins

1. The production and use of medium-chain chlorinated paraffins shall be eliminated except for Parties that have notified the Secretariat of their intention to produce and/or use them in accordance with Article 4.

2. Note (i) of Annex A does not apply when the summed concentration of the following C_{14-17} chloroalkanes ($C_{14}H_{(30-y)}Cl_y$ where $y \geq 5$; $C_{15}H_{(32-y)}Cl_y$ where $y \geq 5$; $C_{16}H_{(34-y)}Cl_y$ where $y \geq 6$; $C_{17}H_{(36-y)}Cl_y$ where $y \geq 6$) in substances or mixtures occur at concentrations greater than 3 per cent by weight, subject to review by the Conference of the Parties at its fourteenth ordinary meeting and every second ordinary meeting thereafter, with the aim to reduce this limit over time.

3. Each Party is encouraged to require that manufacturers of chlorinated paraffins within their jurisdiction disclose information, including to others in the supply chain, on the summed concentration of the following linear C_{14-17} chloroalkanes in those chlorinated paraffins:

- (a) $\Sigma C_{14}H_{(30-y)}Cl_y$ where $y \geq 5$;
- (b) $\Sigma C_{15}H_{(32-y)}Cl_y$ where $y \geq 5$;
- (c) $\Sigma C_{16}H_{(34-y)}Cl_y$ where $y \geq 6$;
- (d) $\Sigma C_{17}H_{(36-y)}Cl_y$ where $y \geq 6$.

Alternatively, manufacturers of chlorinated paraffins can provide information, including to others in the supply chain, on the concentration of linear C_{14-17} alkanes present in the feedstock used to produce the corresponding chlorinated paraffins.

4. For mixtures containing more than one chlorinated paraffin product, or containing chlorinated paraffin products and other substances, Parties are encouraged to require that the information on the concentrations specified in paragraph 3 above be provided for all chlorinated paraffin products present in the mixture.

5. Specific exemptions for the production and use of medium-chain chlorinated paraffins for metalworking fluids shall apply where they are used in professional or industrial settings with collection systems, and may be available until 2036, limited to use as extreme temperature and pressure additives for metalworking fluids used in “heavy-duty” processes (including deep drawing, broaching and fine blanking, drawing with ironing, precision metalworking (cutting/punching/drilling), tapping, cold drawing, cold rolling (pilgering), stamping, forging, and grinding) for the production and repair of metals and metal alloy components (including steel, titanium, nickel, aluminium, copper, magnesium and beryllium) such as those used in the following applications and sectors:

- (a) Aerospace;
- (b) Defence;
- (c) Motor vehicles covering all land-based vehicles, such as cars, motorcycles, agriculture and construction vehicles, and industrial trucks);
- (d) Electrical and electronic equipment (EEE) used in medical devices, in-vitro diagnostics devices, and instruments for measurement, analysis, manufacturing, control, monitoring, testing and inspection;
- (e) Machinery and tools used in agriculture, building/construction, forestry and landscaping;
- (f) Energy and power generation;
- (g) Oil and gas extraction;
- (h) Chemical production and refining;
- (i) Nuclear power facilities;
- (j) Low-carbon and renewable energy technologies;
- (k) Non-EEE medical devices;

6. Each Party that has registered for a specific exemption pursuant to Article 4 for the use of medium-chain chlorinated paraffins for metalworking fluids in professional or industrial settings with collection systems shall take measures to ensure protection of workers from risks associated with these uses.

7. Specific exemptions for the production and use of medium-chain chlorinated paraffins for polymers and rubbers (including PVC, ethylene propylene diene monomer

(EPDM) rubber, chloroprene (CR), nitrile butadiene rubber (NBR) and chlorinated polyethylene (CPE)), used in replacement parts for, and repair of, articles shall apply where the substances were originally used in the manufacture of those articles, and may be available, limited to use in the following applications, until the end of service life of the articles or 2041, whichever comes earlier:

(a) Parts for land-based motor vehicles and machinery used in agriculture, construction, forestry, and landscaping (including powertrain and under-hood applications such as powertrains: wiring and under-hood harnesses (engine wiring, etc.); hoses, caps, tubes, filters; fuel system applications such as fuel hoses, fuel tanks, caps and underbodies; suspension and interior applications such as trim components, acoustic material and seat belts; exterior vehicle applications such as foam pads, sealers, gaskets, fasteners and windows; pyrotechnical devices and applications affected by pyrotechnical devices such as airbag ignition cables, seat covers/fabrics (only if airbag-relevant) and airbags);

(b) EEE used for medical devices, in-vitro diagnostics devices, and instruments for measurement, analysis, manufacturing, control, monitoring, testing and inspection;

(c) Aerospace and defence applications.

8. Specific exemptions for the production and use of medium-chain chlorinated paraffins for ammunition pyrotechnic defence devices to achieve specific effects (e.g. sound, smoke, light) may be available until 2041.

9. Specific exemptions for the production and use of medium-chain chlorinated paraffins for intumescent coating and paint for space and defence equipment and its packaging to protect against extreme temperature may be available until 2041.

10. Specific exemptions for the production and use of medium-chain chlorinated paraffins in coating and paint for the repair of, and use in replacement parts for, space and defence equipment shall apply where medium-chain chlorinated paraffins were originally used in the manufacture of that equipment and may remain available until the end of service life of that equipment for its repair and maintenance, subject to review by the Conference of the Parties no later than 2041.

11. Each Party that has registered for a specific exemption pursuant to Article 4 for the use of medium-chain chlorinated paraffins in coating and paint for the repair of, and use in replacement parts for, space and defence equipment shall take measures to ensure the protection of workers from risks associated with this use.

12. With regard to the specific exemptions for the production and use of medium-chain chlorinated paraffins for the applications referred to in paragraphs 8 and 9, at its fifteenth ordinary meeting and at every second ordinary meeting thereafter, the Conference of the Parties shall review the continued need for these specific exemptions.

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**Matters related to the implementation of the Convention:
listing of chemicals in Annex A, B or C to the Convention**

**Draft decision SC-12/[--]: Actions related to medium-chain
chlorinated paraffins***

**Submission by the contact group on the listing of chemicals under the
Stockholm Convention**

The Conference of the Parties

1. *Decides* to undertake the review of medium-chain chlorinated paraffins pursuant to paragraph 2 of part [XIII] of Annex A to the Stockholm Convention on Persistent Organic Pollutants at its fourteenth meeting, and requests the Persistent Organic Pollutants Review Committee, subject to the availability of resources, to prepare a report and recommendations on this matter for consideration at that meeting;

2. *Also decides* to undertake the review of specific exemptions for medium-chain chlorinated paraffins pursuant to paragraph 12 of part [XIII] of Annex A to the Convention at its fifteenth meeting and requests the Committee, subject to the availability of resources, to prepare a report and recommendations on this matter for consideration at that meeting.

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