ANNEX I

***Ozone depleting substances referred to in Article 2(1)*** [[1]](#footnote-1)

| **Group** | **Substance** | **Ozone-depleting potential [[2]](#footnote-2)** | **GWP[[3]](#footnote-3)** |
| --- | --- | --- | --- |
| Group I | CFCl3 | CFC-11 | Trichlorofluoromethane | 1,0 | 5 560 |
| CF2Cl2 | CFC-12 | Dichlorodifluoromethane | 1,0 | 11 200 |
| C2F3Cl3 | CFC-113 | Trichlorotrifluoroethane | 0,8 | 6 520 |
| C2F4Cl2 | CFC-114 | Dichlorotetrafluoroethane | 1,0 | 9 430 |
| C2F5Cl | CFC-115 | Chloropentafluoroethane | 0,6 | 9 600 |
| Group II | CF3Cl | CFC-13 | Chlorotrifluoromethane | 1,0 | 16 200 |
| C2FCl5 | CFC-111 | Pentachlorofluoroethane | 1,0 | ([[4]](#footnote-4)\*) |
| C2F2Cl4 | CFC-112 | Tetrachlorodifluoroethane | 1,0 | 4 620 |
| C3FCl7 | CFC-211 | Heptachlorofluoropropane | 1,0 | (\*) |
| C3F2Cl6 | CFC-212 | Hexachlorodifluoropropane | 1,0 | (\*) |
| C3F3Cl5 | CFC-213 | Pentachlorotrifluoropropane | 1,0 | (\*) |
| C3F4Cl4 | CFC-214 | Tetrachlorotetrafluoropropane | 1,0 | (\*) |
| C3F5Cl3 | CFC-215 | Trichloropentafluoropropane | 1,0 | (\*) |
| C3F6Cl2 | CFC-216 | Dichlorohexafluoropropane | 1,0 | (\*) |
| C3F7Cl | CFC-217 | Chloroheptafluoropropane | 1,0 | (\*) |
| Group III | CF2BrCl | halon-1211 | Bromochlorodifluoromethane | 3,0 | 1 930 |
| CF3Br | halon-1301 | Bromotrifluoromethane | 10,0 | 7 200 |
| C2F4Br2 | halon-2402 | Dibromotetrafluoroethane | 6,0 | 2 170 |
|  | CBr2F2 | halon- 1202 | Dibromodifluoromethane | 1,25 | 216 |
| Group IV | CCl4 | CTC | Tetrachloromethane (carbon tetrachloride) | 1,1 | 2 200 |
| Group V | C2H3Cl3[[5]](#footnote-5) | 1,1,1-TCA | 1,1,1-Trichloroethane (methylchloroform) | 0,1 | 161 |
| Group VI | CH3Br | methyl bromide | Bromomethane | 0,6 | 2,43 |
| Group VII | CHFBr2 | HBFC-21 B2 | Dibromofluoromethane | 1,00 | (\*) |
| CHF2Br | HBFC-22 B1 | Bromodifluoromethane | 0,74 | 380 |
| CH2FBr | HBFC-31 B1 | Bromofluoromethane | 0,73 | (\*) |
| C2HFBr4 | HBFC-121 B4 | Tetrabromofluoroethane | 0,8 | (\*) |
| C2HF2Br3 | HBFC-122 B3 | Tribromodifluoroethane | 1,8 | (\*) |
| C2HF3Br2 | HBFC-123 B2 | Dibromotrifluoroethane | 1,6 | (\*) |
| C2HF4Br | HBFC-124 B1 | Bromotetrafluoroethane | 1,2 | 201 |
| C2H2FBr3 | HBFC-131 B3 | Tribromofluoroethane | 1,1 | (\*) |
| C2H2F2Br2 | HBFC-132 B2 | Dibromodifluoroethane | 1,5 | (\*) |
| C2H2F3Br | HBFC-133 B1 | Bromotrifluoroethane | 1,6 | 177 |
| C2H3FBr2 | HBFC-141 B2 | Dibromofluoroethane | 1,7 | (\*) |
| C2H3F2Br | HBFC-142 B1 | Bromodifluoroethane | 1,1 | (\*) |
| C2H4FBr | HBFC-151 B1 | Bromofluoroethane | 0,1 | (\*) |
| C3HFBr6 | HBFC-221 B6 | Hexabromofluoropropane | 1,5 | (\*) |
| C3HF2Br5 | HBFC-222 B5 | Pentabromodifluoropropane | 1,9 | (\*) |
| C3HF3Br4 | HBFC-223 B4 | Tetrabromotrifluoropropane | 1,8 | (\*) |
| C3HF4Br3 | HBFC-224 B3 | Tribromotetrafluoropropane | 2,2 | (\*) |
| C3HF5Br2 | HBFC-225 B2 | Dibromopentafluoropropane | 2,0 | (\*) |
| C3HF6Br | HBFC-226 B1 | Bromohexafluoropropane | 3,3 | (\*) |
| C3H2FBr5 | HBFC-231 B5 | Pentabromofluoropropane | 1,9 | (\*) |
| C3H2F2Br4 | HBFC-232 B4 | Tetrabromodifluoropropane | 2,1 | (\*) |
| C3H2F3Br3 | HBFC-233 B3 | Tribromotrifluoropropane | 5,6 | (\*) |
| C3H2F4Br2 | HBFC-234 B2 | Dibromotetrafluoropropane | 7,5 | (\*) |
| C3H2F5Br | HBFC-235 B1 | Bromopentafluoropropane | 1,4 | (\*) |
| C3H3FBr4 | HBFC-241 B4 | Tetrabromofluoropropane | 1,9 | (\*) |
| C3H3F2Br3 | HBFC-242 B3 | Tribromodifluoropropane | 3,1 | (\*) |
| C3H3F3Br2 | HBFC-243 B2 | Dibromotrifluoropropane | 2,5 | (\*) |
| C3H3F4Br | HBFC-244 B1 | Bromotetrafluoropropane | 4,4 | (\*) |
| C3H4FBr3 | HBFC-251 B1 | Tribromofluoropropane | 0,3 | (\*) |
| C3H4F2Br2 | HBFC-252 B2 | Dibromodifluoropropane | 1,0 | (\*) |
| C3H4F3Br | HBFC-253 B1 | Bromotrifluoropropane | 0,8 | (\*) |
| C3H5FBr2 | HBFC-261 B2 | Dibromofluoropropane | 0,4 | (\*) |
| C3H5F2Br | HBFC-262 B1 | Bromodifluoropropane | 0,8 | (\*) |
| C3H6FBr | HBFC-271 B1 | Bromofluoropropane | 0,7 | (\*) |
| Group VIII | CHFCl2 | HCFC-21[[6]](#footnote-6) | Dichlorofluoromethane | 0,040 | 160 |
| CHF2Cl | HCFC-224 | Chlorodifluoromethane | 0,055 | 1 960 |
| CH2FCl | HCFC-31 | Chlorofluoromethane | 0,020 | 79,4 |
| C2HFCl4 | HCFC-121 | Tetrachlorofluoroethane | 0,040 | 58,3 |
| C2HF2Cl3 | HCFC-122 | Trichlorodifluoroethane | 0,080 | 56,4 |
| C2HF3Cl2 | HCFC-1234 | Dichlorotrifluoroethane | 0,020 | 90,4 |
| C2HF4Cl | HCFC-1244 | Chlorotetrafluoroethane | 0,022 | 597 |
| C2H2FCl3 | HCFC-131 | Trichlorofluoroethane | 0,050 | 30[[7]](#footnote-7) |
| C2H2F2Cl2 | HCFC-132 | Dichlorodifluoroethane | 0,050 | 122 |
| C2H2F3Cl | HCFC-133 | Chlorotrifluoroethane | 0,060 | 2755 |
| C2H3FCl2 | HCFC-141 | Dichlorofluoroethane | 0,070 | 46,6 |
| CH3CFCl2 | HCFC-141b4 | 1,1-Dichloro-1-fluoroethane | 0,110 | 860 |
| C2H3F2Cl | HCFC-142 | Chlorodifluoroethane | 0,070 | 1755 |
| CH3CF2Cl | HCFC-142b4 | 1-Chloro-1,1-difluoroethane | 0,065 | 2 300 |
| C2H4FCl | HCFC-151 | Chlorofluoroethane | 0,005 | 105 |
| C3HFCl6 | HCFC-221 | Hexachlorofluoropropane | 0,070 | 1105 |
| C3HF2Cl5 | HCFC-222 | Pentachlorodifluoropropane | 0,090 | 5005 |
| C3HF3Cl4 | HCFC-223 | Tetrachlorotrifluoropropane | 0,080 | 6955 |
| C3HF4Cl3 | HCFC-224 | Trichlorotetrafluoropropane | 0,090 | 1 0905 |
| C3HF5Cl2 | HCFC-225 | Dichloropentafluoropropane | 0,070 | 1 5605 |
| CF3CF2CHCl2 | HCFC-225ca4 | 3,3-Dichloro-1,1,1,2,2-pentafluoropropane | 0,025 | 137 |
| CF2ClCF2CHClF | HCFC-225cb4 | 1,3-Dichloro-1,1,2,2,3-pentafluoropropane | 0,033 | 568 |
| C3HF6Cl | HCFC-226 | Chlorohexafluoropropane | 0,100 | 2 4555 |
| C3H2FCl5 | HCFC-231 | Pentachlorofluoropropane | 0,090 | 3505 |
| C3H2F2Cl4 | HCFC-232 | Tetrachlorodifluoropropane | 0,100 | 6905 |
| C3H2F3Cl3 | HCFC-233 | Trichlorotrifluoropropane | 0,230 | 1 4955 |
| C3H2F4Cl2 | HCFC-234 | Dichlorotetrafluoropropane | 0,280 | 3 4905 |
| C3H2F5Cl | HCFC-235 | Chloropentafluoropropane | 0,520 | 5 3205 |
| C3H3FCl4 | HCFC-241 | Tetrachlorofluoropropane | 0,090 | 4505 |
| C3H3F2Cl3 | HCFC-242 | Trichlorodifluoropropane | 0,130 | 1 0255 |
| C3H3F3Cl2 | HCFC-243 | Dichlorotrifluoropropane | 0,120 | 2 0605 |
| C3H3F4Cl | HCFC-244 | Chlorotetrafluoropropane | 0,140 | 3 3605 |
| C3H4FCl3 | HCFC-251 | Trichlorofluoropropane | 0,010 | 705 |
| C3H4F2Cl2 | HCFC-252 | Dichlorodifluoropropane | 0,040 | 2755 |
| C3H4F3Cl | HCFC-253 | Chlorotrifluoropropane | 0,030 | 6655 |
| C3H5FCl2 | HCFC-261 | Dichlorofluoropropane | 0,020 | 845 |
| C3H5F2Cl | HCFC-262 | Chlorodifluoropropane | 0,020 | 2275 |
| C3H6FCl | HCFC-271 | Chlorofluoropropane | 0,030 | 3405 |
| Group IX | CH2BrCl | BCM | Bromochloromethane | 0,12 | 4,74 |

ANNEX II

**Ozone depleting substances referred to in Article 2(1)**[[8]](#footnote-8)

| **Substance** | **Ozone-depleting potential[[9]](#footnote-9)** | **GWP[[10]](#footnote-10)** |
| --- | --- | --- |
| C3H7Br | 1-Bromopropane (n-propyl bromide) | 0,02 — 0,10 | 0,052 |
| C2H5Br | Bromoethane (ethyl bromide) | 0,1 — 0,2 | 0,487 |
| CF3I | Trifluoroiodomethane (trifluoromethyl iodide) | 0,01 — 0,02 | ([[11]](#footnote-11)\*) |
| CH3Cl | Chloromethane (methyl chloride) | 0,02 | 5,54 |
| C3H2BrF3 | 2-bromo-3,3,3-trifluoroprop-1-en (2-BTP) | <0,05[[12]](#footnote-12) | (\*) |
| CH2Cl2 | Dichloromethane (DCM) | non zero[[13]](#footnote-13) | 11,2 |
| C2Cl4 | Tetrachloroethene (Perchloroethylene (PCE)) | 0.006 — 0.0074 | (\*) |

ANNEX III

**Process agents**

Processes referred to in Article 7 shall be any of the following:

(a) use of carbon tetrachloride for the elimination of nitrogen trichloride in the production of chlorine and caustic soda;

(b) use of carbon tetrachloride in the manufacture of chlorinated rubber;

(c) use of carbon tetrachloride in the manufacture of poly-phenylene-terephthalamide;

(d) use of CFC-12 in the photochemical synthesis of perfluoropolyetherpolyperoxide precursors of Z-perfluoropolyethers and difunctional derivatives;

(e) use of carbon tetrachloride in production of cyclodime.

The maximum amount of ozone depleting substances that may be used as process agents within the Union shall not exceed 921 metric tonnes per year. The maximum amount of ozone depleting substances that may be released from process agent uses within the Union shall not exceed 15 metric tonnes per year.

ANNEX IV

**Conditions for the placing on the market and further distribution of ozone depleting substances for essential laboratory and analytical uses referred to in Article 8(6)**

1. Ozone depleting substances for essential laboratory and analytical uses shall be of the following purities:

| **Substance** | **%** |
| --- | --- |
| CTC (reagent grade) | 99,5 |
| 1,1,1-trichloroethane | 99,0 |
| CFC 11 | 99,5 |
| CFC 13 | 99,5 |
| CFC 12 | 99,5 |
| CFC 113 | 99,5 |
| CFC 114 | 99,5 |
| Other ozone depleting substances with a boiling point > 20 °C | 99,5 |
| Other ozone depleting substances with a boiling point < 20 °C | 99,0 |

These ozone depleting substances may be subsequently mixed by producers, agents, or distributors with other chemicals whether or not subject to control under the Protocol as is customary for laboratory and analytical uses.

2. Ozone depleting substances referred to in point 1 and mixtures containing those substances shall be supplied only in re-closable containers or high pressure cylinders smaller than three litres or in 10 millilitre or smaller glass ampoules, marked clearly as substances that deplete the ozone layer, restricted to laboratory and analytical uses and specifying that used or surplus substances are to be collected and recycled, if practical. The material shall be destroyed if recycling is not practical.

Used or surplus ozone depleted substances referred to in point 1 and mixtures containing those substances shall be collected and recycled if practical. Those substances and their mixtures shall be destroyed, if recycling is not practical.

ANNEX V

**Critical uses of halon referred to in Article 9(1)**

For the purposes of this Annex, the following definitions shall apply:

1. ‘cut-off date’ means the date after which halons shall not be used for fire extinguishers or fire protection systems in new equipment and new facilities for the application concerned;

2. ‘new equipment’ means equipment for which, by the cut-off date, neither of the following events has occurred:

(a) signature of the relevant procurement or development contract;

(b) submission of a request for type approval or type certification to the appropriate regulatory authority. For aircraft, submission of a request for type certification refers to a submission of a request for a new aircraft type certification;

3. ‘new facilities’ means facilities for which, by the cut-off date, neither of the following events has occurred:

(a) signature of the relevant development contract;

(b) submission of a request for planning consent to the appropriate regulatory authority;

4. ‘end date’ means the date after which halons shall not be used for the application concerned and by which date the fire extinguishers or fire protection systems containing halons shall be decommissioned;

5. ‘inerting’ means preventing the initiation of combustion of a flammable or explosive atmosphere by means of the addition of an inhibiting or diluting agent;

6. ‘normally occupied space’ means a protected space in which it is necessary for persons to be present most or all of the time in order for the equipment or facility to function effectively. For military applications, the occupancy status of the protected space would be that applicable during a combat situation;

7. ‘normally unoccupied space’ means a protected space that is occupied for limited periods only, in particular for undertaking maintenance, and where the continual presence of persons is not necessary for the effective functioning of the equipment or facility.

|  |
| --- |
| **CRITICAL USES OF HALONS** |
| **Application** | Cut-off date(31 December of the stated year) | End date(31 December of the stated year) |
| Category of equipment or facility | Purpose | Type of extinguisher | Type of halon |
| 1.On military ground vehicles | 1.1. For the protection of engine compartments | Fixed system | 130112112402 | **2010** | **2035** |
| 1.2. For the protection of crew compartments | Fixed system | 13012402 | **2011** | **2040** |
| 2.On military surface ships | 2.1. For the protection of normally occupied machinery spaces | Fixed system | 13012402 | **2010** | **2040** |
| 2.2. For the protection of normally unoccupied engine spaces | Fixed system | 130112112402 | **2010** | **2035** |
| 2.3. For the protection of normally unoccupied electrical compartments | Fixed system | 13011211 | **2010** | **2030** |
| 2.4. For the protection of command centres | Fixed system | 1301 | **2010** | **2030** |
| 2.5. For the protection of fuel pump rooms | Fixed system | 1301 | **2010** | **2030** |
| 2.6. For the protection of flammable liquid storage compartments | Fixed system | 130112112402 | **2010** | **2030** |
| 3.On military submarines | 3.1. For the protection of machinery spaces | Fixed system | 1301 | **2010** | **2040** |
| 3.2. For the protection of command centres | Fixed system | 1301 | **2010** | **2040** |
| 3.3. For the protection of diesel generator spaces | Fixed system | 1301 | **2010** | **2040** |
| 3.4. For the protection of electrical compartments | Fixed system | 1301 | **2010** | **2040** |
| 4.On aircraft | 4.1. For the protection of normally unoccupied cargo compartments | Fixed system | 130112112402 | **2024** | **2040** |
| 4.2. For the protection of cabins and crew compartments | Portable extinguisher | 12112402 | **2014** | **2025** |
| 4.3. For the protection of engine nacelles and auxiliary power units | Fixed system | 130112112402 | **2014** | **2040** |
| 4.4. For the inerting of fuel tanks | Fixed system | 13012402 | **2011** | **2040** |
| 4.6. For the protection of dry bays | Fixed system | 130112112402 | **2011** | **2040** |

ANNEX VI

**Reporting referred to in Article 24**

1. For the purpose of this Annex, production covers the amount of ozone depleting substances produced intentionally or inadvertently, including as a by-product unless that by-product is destroyed as part of the manufacturing process or following a documented procedure in compliance with this Regulation and Union and national legislation on waste, but not including the amounts recycled or reclaimed.
2. Each producer shall communicate the following data separately for each ozone depleting substance:

(a) its total production;

(b) any production placed on the market or used for the producer’s own account within the Union, separately identifying production for feedstock, process agent and other uses;

(c) any production to meet the essential laboratory and analytical uses in the Union;

(d) any production to satisfy essential laboratory and analytical uses of another Party to the Protocol;

(e) any quantity recycled, reclaimed or destroyed and the technology used for the destruction, including amounts produced and destroyed as by-product as referred to in point 1;

(f) any stocks;

(g) any purchases from and sales to other undertakings in the Union;

(h) any emissions, including those related to production, by-production, storage and transport, including the transfer from one container to another.

1. Each importer shall communicate the following data separately for each ozone depleting substance:
	* + 1. any quantities released for free circulation in the Union, separately identifying imports for feedstock and process agent uses, for essential laboratory and analytical uses and for destruction. Importers which imported controlled substances for destruction shall also communicate the actual final destination or destinations of each of the substances, providing separately for each destination the quantity of each of the substances and the name and address of destruction facility where the substance was delivered;

(b) any quantities imported under other customs procedures separately identifying the customs procedure and the designated uses;

(c) any quantities of used substances imported for recycling or reclamation;

(d) any stocks;

(e) any purchases from and sales to other undertakings in the Union;

(f) the origin country.

1. Each exporter shall communicate the following data separately for each ozone depleting substance:

 (a) any quantities of such substances exported, separately identifying quantities exported to each country of destination and quantities exported for feedstock and process agent uses, essential laboratory and analytical uses and critical uses;

(b) any stocks;

(c) any purchases from and sales to other undertakings in the Union;

(d) the country of origin.

1. Each undertaking destroying ozone depleting substances and not covered by point 2(e) of this Annex, shall communicate the following data, separately for each substance:

(a) any quantities destroyed, including quantities contained in products or equipment;

(b) any stocks waiting to be destroyed, including quantities contained in products or equipment;

(c) the technology used for the destruction;

(d) any emissions, including those linked to destruction, transport and storage, including the transfer from one container to another.

Each undertaking destroying ozone depleting substances listed in Annex I and not covered by point 2(e) of this Annex shall also communicate data on any purchases from and sales to other undertakings in the Union.

1. Each undertaking using as feedstock or process agents ozone depleting substances, shall communicate the following data, separately for each substance:

(a) any quantities used as feedstock or process agents;

(b) any stocks;

(c) the processes and any emissions, including those linked to transport and storage, including the transfer from one container to another.

Each undertaking using as feedstock or process agents ozone depleting substances listed in Annex I shall also communicate data on any purchases from and sales to other undertakings in the Union.

ANNEX VII

**Licensing System**

1. Undertakings shall provide the following information to the Commission for registration purposes in the licensing system referred to in Article 16:
	* + 1. the undertaking’s contact details, including a telephone number, name as it appears in relevant official documents and its full address including, where applicable, of the only representative referred to in Article 16(3);

(b) the Economic Operators Registration and Identification (EORI) number;

(c) the full name and electronic address of a contact person of the undertaking including where applicable, of the only representative referred to in Article 16(3);

(d) a description of the undertaking’s business activities (including whether the undertaking is an importer of substances or exporter of substances);

(e) written confirmation of the undertaking’s intention to register confirming the correctness and accuracy of the information provided in the licensing system, signed by a beneficial owner or employee of the undertaking who is authorised to make legally binding statements on behalf of the undertaking, and, where applicable, also by the undertaking’s only representative referred to in Article 16(3);

(f) any other information necessary for the identification of the legal or financial format or business specifications of the undertaking.

1. Undertakings shall provide the following information to the Commission for the purpose of applying for a licence required under Article 13(2) and Article 14(3), via an electronic format provided by the licensing system:

(a) in the case of imports or exports of ozone depleting substances, a description of each of these substances, including:

(i) the name and intended use of the substance;

(ii) the tariff classification number of the goods in the integrated Tariff of the European Union ‘TARIC’;

(iii) whether the substance is in a mixture.

(b) In the case of imports or exports of products and equipment containing, or whose functioning relies upon, ozone depleting substances:

(i) the type and intended use of the products and equipment;

(ii) the name of the substance;

(iii) the tariff classification number of the goods in the integrated Tariff of the European Union ‘TARIC’.

(c) in the case of imports of controlled substances or products and equipment for destruction, the name(s) and address(es) of the facility(ies) where they will be destroyed;

(d) any further information deemed necessary to ensure the correct implementation of the import and export rules under this Regulation and in accordance with international obligations.

ANNEX VIII

**Correlation table**

| **Regulation (EC) No 1005/2009** | **This Regulation** |
| --- | --- |
| Article 1 | Article 1  |
| Article 2 | Article 2 |
| Article 3(1) | Article 3(1) |
| Article 3(2) | - |
| Article 3(3) | - |
| Article 3(4) | - |
| Article 3(5)  | - |
| Article 3(6) | - |
| Article 3(7) | - |
| Article 3(8) | - |
| Article 3(9) | - |
| Article 3(10) | - |
| Article 3(11) | Article 3(1) |
| Article 3(12) | Article 3(2) |
| Article 3(13) | - |
| Article 3(14) | Annex VI, point (1) |
| Article 3(15) | - |
| Article 3(16) | - |
| Article 3(17) | - |
| Article 3(18) | Article 3(3) |
| Article 3(19) | Article 3(4) |
| Article 3(20) | Article 3(5) |
| Article 3(21) | Article 3(6) |
| Article 3(22) | - |
| Article 3(23) | Article 3(7) |
| Article 3(24) | Article 3(8) |
| Article 3(25) | Article 3(9) |
| Article 3(26)  | Article 3(10) |
| Article 3(27) | - |
| Article 3(28) | - |
| Article 3(29) | - |
| Article 3(30) | Article 3(12) |
| Article 3(31) | Article 3(11) |
| Article 4 | Article 4(1) |
| Article 5(1) | Article 4(1) |
| Article 5(2) | Article 15(1), first subparagraph |
| Article 5(3) | - |
| Article 6(1) | Article 5(1) and 11(1) |
| Article 6(2) | Article 11(2) |
| Article 7(1) | Article 6 |
| Article 7(2) | Article 15(3)  |
| Article 8(1) | Article 7(1) |
| Article 8(2) | Article 7(2) |
| Article 8(3) | Article 15(3) |
| Article 8(4) first subparagraph | Article 7(3) |
| Article 8(4) second and third subparagraphs | Annex III |
| Article 8(5)  | Article 7(4) |
| Article 9 | Article 12 |
| Article 10(1) | Article 8(1) |
| Article 10(2) | Article 8(2) |
| Article 10(3) first and second subparagraphs | Article 15(3) |
| Article 10(3) third subparagraph | Article 8(6) |
| Article 10(4)-(8) | - |
| Article 11 | - |
| Article 12(1) | - |
| Article 12(2) | - |
| Article 12(3) | Article 10(1) and (2) |
| Article 13(1) | Article 9(1) |
| Article 13(2) | Article 9(3)  |
| Article 13(3) | Article 9(2) |
| Article 13(4) | Article 9(4) |
| Article 14 | - |
| Article 15(1) | Article 4(2) and Article 5(2) |
| Article 15(2) points (a)-(d) | Article 13(1) points (a)-(d) |
| Article 15(2) point (e) | - |
| Article 15(2) point (f) first phrase | Article 13(e) |
| Article 15(2) point (f) second and third phrases | - |
| Article 15(2) point (g) | Article 13(1), point (f) |
| Article 15(2), point (h) | Article 13(1), point (h) |
| Article 15(2), point (i) | Article 13(1), point (i) |
| Article 15(2), point (j) | Article 13(1), point (g) |
| Article 15(2) point (k) | - |
| Article 15(3) | Article 13(2) |
| Article 16 | - |
| Article 17(1) | Article 4(2) and Article 5(2) |
| Article 17(2) points (a)-(c) | Article 14(1)(a)-(c) |
| Article 17(2) points (d) | Article 14(1) point (g) |
| Article 17(2) point (e) | Article 14(1) point (e) |
| Article 17(2) point (f) | Article 14(1) point (d) |
| Article 17(2) points (g)-(h) | - |
| Article 17(3) | Article 14(2) |
| Article 17(4) | Article 14(3) |
| Article 18(1)  | Article 16(1)  |
| Article 18(2) | Article 16(2)  |
| Article 18(3) | Annex VI, point 2 |
| Article 18(4) | Article 16(5) |
| Article 18(5) | Annex VII, point 7 |
| Article 18(6), first phrase | Article 16(8)  |
| Article 18(6), second phrase and points (a) and (b) | - |
| Article 18(7) | - |
| Article 18(8) | - |
| Article 18(9) | Article 16(13) |
| Article 19 | Article 18 |
| Article 20 | Article 19 |
| Article 21 | - |
| Article 22(1) | Article 20(1) |
| Article 22(2) | Article 20(7) |
| Article 22(3) | - |
| Article 22(4) first subparagraph | Article 20(6) |
| Article 22(4) second subparagraph | Article 20(8) |
| Article 22(5) first subparagraph | Article 20(9) |
| Article 22(5) second and third subparagraphs | - |
| Article 23(1) | Article 21(2) |
| Article 23(2)  | - |
| Article 23(3) | Article 21(4) |
| Article 23(4) first subparagraph first sentence | Article 21(4) |
| Article 23(4) first subparagraph second sentence, and second subparagraph | - |
| Article 23(5) | Article 20(1) |
| Article 23(6) | Article 20(2) |
| Article 23(7) | - |
| Article 24(1) | - |
| Article 24(2) | - |
| Article 24(3) | Article 22(2) |
| Article 25 | Article 28 |
| Article 26 | Article 23 |
| Article 27(1) | Article 24(1) |
| Article 27(2)-(6) | Annex VI |
| Article 27(7) | - |
| Article 27(8) | Article 24(2) |
| Article 27(9) | Article 24(3) |
| Article 27(10) | Article 24(4) |
| Article 28(1), first sentence | Article 26(1) |
| Article 28(1), second sentence | Article 26(2), third subparagraph |
| Article 28(2) | - |
| Article 28(3) | Article 25(6) |
| Article 28(4) | Article 25(7) |
| Article 28(5) | Article 25(5) |
| Article 29 | Article 27(1) |
| Article 30 | Article 31 |
| Article 31 | Article 32 |
| Annex I | Annex I |
| Annex I | Annex II |
| Annex III | Annex III |
| Annex IV | - |
| Annex V | Annex IV |
| Annex VI | Annex V |
| Annex VII | - |
| Annex VIII | Annex VIII |

1. The Annex includes the substances listed therein and their isomers, whether alone or in a mixture. [↑](#footnote-ref-1)
2. The figures relating to ozone-depleting potential are estimates based on existing knowledge and will be reviewed and revised periodically in the light of decisions taken by the Parties. [↑](#footnote-ref-2)
3. Based on the Sixth Assessment Report, Chapter 7: The Earth's energy budget, climate feedbacks, and climate sensitivity - Supplementary Material adopted by the Intergovernmental Panel on Climate Change, unless otherwise indicated. [↑](#footnote-ref-3)
4. \* Default value, global warming potential not yet available. [↑](#footnote-ref-4)
5. This formula does not refer to 1,1,2-trichloroethane. [↑](#footnote-ref-5)
6. Identifies the most commercially viable substance as prescribed in the Protocol. [↑](#footnote-ref-6)
7. Scientific Assessment of Ozone Depletion: 2018; Appendix A Summary of Abundances, Lifetimes, Ozone Depletion Potentials (ODPs), Radiative Efficiencies (REs), Global Warming Potentials (GWPs), and Global Temperature change Potentials (GTPs) [↑](#footnote-ref-7)
8. The Annex includes the substances listed therein and their isomers, whether alone or in a mixture. [↑](#footnote-ref-8)
9. The figures relating to ozone-depleting potential are estimates based on existing knowledge and will be reviewed and revised periodically in the light of decisions taken by the Parties. [↑](#footnote-ref-9)
10. Based on the Sixth Assessment Report, Chapter 7: The Earth's energy budget, climate feedbacks, and climate sensitivity - Supplementary Material adopted by the Intergovernmental Panel on Climate Change, unless otherwise indicated. [↑](#footnote-ref-10)
11. \* Default value, global warming potential not yet available. [↑](#footnote-ref-11)
12. Scientific Assessment of Ozone Depletion: 2018; Appendix A Summary of Abundances, Lifetimes, Ozone Depletion Potentials (ODPs), Radiative Efficiencies (REs), Global Warming Potentials (GWPs), and Global Temperature change Potentials (GTPs) [↑](#footnote-ref-12)
13. [New Ozone-Depleting substances that have been reported by the Parties: Decisions XIII/5, X/8 and IX/24 (Updated May 2012)](https://ozone.unep.org/resources?term_node_tid_depth%5B883%5D=883#3395). <https://ozone.unep.org/resources?term_node_tid_depth%5B883%5D=883> [↑](#footnote-ref-13)