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**United Nations  
Environment  
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**Thirtieth Meeting of the Parties to  
the Montreal Protocol on Substances  
that Deplete the Ozone Layer**  
Quito, 5–9 November 2018

## **Designated Harmonized System codes for the most commonly traded fluorinated substitutes for hydrochlorofluorocarbons and chlorofluorocarbons**

### **Note by the Secretariat**

1. In paragraph 1 of decision XXVI/8 on measures to facilitate the monitoring of trade in hydrochlorofluorocarbons (HCFCs) and substituting substances, the Twenty-Sixth Meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer decided to request the Secretariat to liaise with the World Customs Organization (WCO) to examine the possibility of designating individual Harmonized System (HS) codes for the most commonly traded substitutes for HCFCs and chlorofluorocarbons (CFCs) classified under HS code 2903.39, and to communicate to the parties the results of those consultations. Since 2015, the Secretariat has been following closely the WCO process to designate HS codes for some ozone-depleting substances and their substitutes.
2. The Harmonized System is an international nomenclature for the classification of products that allows participating parties to classify traded goods on a common basis for customs purposes. At the international level, it is a six-digit code system. The first set of two digits designates the HS chapter the goods are classified in, the second set of two digits designates the HS heading, and the third set of two digits designates the HS subheading. The system is organized into 21 sections, which are subdivided into 97 chapters. The 97 HS chapters are further subdivided into approximately 5,000 headings and subheadings. Chapters in the individual sections are usually organized in order of complexity or degree of manufacture.
3. Annex I to the present note sets out HS codes for a list of ozone-depleting substances controlled by the Montreal Protocol and their substitutes, which have been adopted provisionally by the Harmonized System Committee of WCO in 2018 and constitute an amendment to chapter 29 of the Harmonized System, on organic chemicals. Annex II sets out HS codes for commonly traded mixtures (blends) of ozone-depleting substances controlled by the Montreal Protocol and their substitutes, which have been adopted provisionally by the Harmonized System Committee of WCO in 2018 and constitute an amendment to chapter 38 of the Harmonized System, dealing with miscellaneous chemical products.
4. Both amendments need to be formally approved by the Harmonized System Committee at its sixty-third meeting, in March 2019, and by the WCO Council, in June 2019.
5. In accordance with the amendment procedure laid down in article 16 of the International Convention on the Harmonized Commodity Description and Coding System, the amendments are expected to enter into force on 1 January 2022 if no Contracting Party to that Convention notifies the Secretary General of WCO of an objection to the recommended amendment within six months of the date of its notification by the Secretary General.

6. The present note is provided to inform the parties about the status of the designation of HS codes for the most commonly traded fluorinated substitutes for HCFCs and CFCs. The Secretariat will inform the parties in due course of the outcome of the WCO Council meeting to be held in June 2019.

## Annex I

AMENDMENT TO HEADING 29.03 IN RESPECT OF OZONE-DEPLETING SUBSTANCES  
CONTROLLED BY THE MONTREAL PROTOCOL AND THEIR SUBSTITUTES PROVISIONALLY  
ADOPTED BY THE HARMONIZED SYSTEM COMMITTEE OF THE WORLD CUSTOMS  
ORGANIZATION IN MARCH 2018

### CHAPTER 29.

Subheadings 2903.3 to 2903.39.

Delete and substitute :

“ - Saturated fluorinated derivatives of acyclic hydrocarbons :

2903.41 -- Trifluoromethane (HFC-23)

2903.42 -- Difluoromethane (HFC-32)

2903.43 -- Fluoromethane (HFC-41), 1,2 -difluoroethane (HFC-152) and 1,1-difluoroethane (HFC-152a)

2903.44 -- Pentafluoroethane (HFC-125), 1,1,1-trifluoroethane (HFC-143a) and 1,1,2- trifluoroethane (HFC-143)

2903.45 -- 1,1,1,2-Tetrafluoroethane (HFC-134a) and 1,1,2,2-tetrafluoroethane (HFC-134)

2903.46 -- 1,1,1,2,3,3,3-Heptafluoropropane (HFC-227ea), 1,1,1,2,2,3-hexafluoropropane (HFC-236cb),  
 1,1,1,2,3,3-hexafluoropropane (HFC-236ea) and 1,1,1,3,3,3- hexafluoropropane (HFC-236fa)

2903.47 -- 1,1,1,3,3-Pentafluoropropane (HFC-245fa) and 1,1,2,2,3-pentafluoropropane (HFC-245ca)

2903.48 -- 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,4,5,5,5- decafluoropentane  
 (HFC-43-10mee)

2903.49 -- Other

- Unsaturated fluorinated derivatives of acyclic hydrocarbons :

2903.51 -- 2,3,3,3-Tetrafluoropropene (HFO-1234yf), 1,3,3,3-tetrafluoropropene (HFO- 1234ze) and  
 (Z)-1,1,1,4,4,4-hexafluoro-2-butene (HFO-1336mzz)

2903.59 -- Other

- Brominated or iodinated derivatives of acyclic hydrocarbons:

2903.61 -- Methyl bromide (bromomethane)

2903.62 -- Ethylene dibromide (ISO) (1,2-dibromoethane)

2903.69 -- Other”.

Subheadings 2903.71 to 2903.76.

Delete and substitute :

“2903.71 -- Chlorodifluoromethane (HCFC-22)

2903.72 -- Dichlorotrifluoroethanes (HCFC-123)

2903.73 -- Dichlorofluoroethanes (HCFC-141, 141b)

2903.74 -- Chlorodifluoroethanes (HCFC-142, 142b)

2903.75 -- Dichloropentafluoropropanes (HCFC-225, 225ca, 225cb)

2903.76 -- Bromochlorodifluoromethane (Halon-1211), bromotrifluoromethane (Halon-1301) and dibromotetrafluoroethanes (Halon-2402)”.

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AMENDEMENT DU N° 29.03 EN CE QUI CONCERNE LES SUBSTANCES QUI  
APPAUVRISSENT LA COUCHE D'OZONE REGLEMENTEES PAR LE PROTOCOLE DE  
MONTREAL

CHAPITRE 29.

N°s 2903.3 à 2903.39.

Nouvelle rédaction :

“ - Dérivés fluorés saturés des hydrocarbures acycliques :

2903.41 -- Trifluorométhane (HFC-23)

2903.42 -- Difluorométhane (HFC-32)

2903.43 -- Fluorométhane (HFC-41), 1,2 -difluoroéthane (HFC-152) et 1,1-difluoroéthane (HFC-152a)

2903.44 -- Pentafluoroéthane (HFC-125), 1,1,1-trifluoroéthane (HFC-143a) et 1,1,2trifluoroéthane (HFC-143)

2903.45 -- 1,1,1,2-Tétrafluoroéthane (HFC-134a) et 1,1,2,2-tétrafluoroéthane (HFC-134)

2903.46 -- 1,1,1,2,3,3,3-Heptafluoropropane (HFC-227ea), 1,1,1,2,2,3-hexafluoropropane (HFC-236cb),  
1,1,1,2,3,3-hexafluoropropane (HFC-236ea) et 1,1,1,3,3,3-hexafluoropropane (HFC-236fa)

2903.47 -- 1,1,1,3,3-Pentafluoropropane (HFC-245fa) et 1,1,2,2,3-pentafluoropropane (HFC-245ca)

2903.48 -- 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) et 1,1,1,2,2,3,4,5,5,5décafluoropentane (HFC-43-10mee)

2903.49 -- Autres

- Dérivés fluorés non saturés des hydrocarbures acycliques :

2903.51 -- 2,3,3,3-Tétrafluoropropène (HFO-1234yf), 1,3,3,3-tétrafluoropropène  
(HFO1234ze) et (Z)-1,1,1,4,4,4-hexafluoro-2-butène (HFO-1336mzz)

2903.59 -- Autres

- Dérivés bromés ou dérivés iodés d'hydrocarbures acycliques :

2903.61 -- Bromure de méthyle (bromométhane)

2903.62 -- Dibromure d'éthylène (ISO) (1,2-dibromoéthane)

2903.69 -- Autres”.

N°s 2903.71 à 2903.76.

Nouvelle rédaction :

“2903.71 -- Chlorodifluorométhane (HCFC-22)

2903.72 -- Dichlorotrifluoroéthanes (HCFC-123)

2903.73 -- Dichlorofluoroéthanes (HCFC-141, 141b)

2903.74 -- Chlorodifluoroéthanes (HCFC-142, 142b)

2903.75 -- Dichloropentafluoropropanes (HCFC-225, 225ca, 225cb)

2903.76 -- Bromochlorodifluorométhane (halon-1211), bromotrifluorométhane (halon-1301)  
et dibromotétrafluoroéthanes (halon-2402)”.

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## Annex II

AMENDMENT TO THE NOMENCLATURE TO CREATE NEW NOTE 4 TO SECTION VI AND NEW HEADING 38.27 IN RESPECT OF MIXTURES CONTAINING OZONE-DEPLETING SUBSTANCES CONTROLLED BY THE MONTREAL PROTOCOL AND THEIR SUBSTITUTES ADOPTED BY THE HARMONIZED SYSTEM COMMITTEE OF WORLD CUSTOMS ORGANIZATION IN SEPTEMBER 2018

### CHAPTER 38.

Heading 38.24. Subheadings 3824.7 to 3824.79.

Delete these subheadings.

New heading 38.27.

Insert the following new heading:

**“38.27 Mixtures containing halogenated derivatives of methane, ethane or propane, not elsewhere specified or included.**

- Containing chlorofluorocarbons (CFCs), whether or not containing hydrochlorofluorocarbons (HCFCs), perfluorocarbons (PFCs) or hydrofluorocarbons (HFCs); containing hydrobromofluorocarbons (HBFCs); containing carbon tetrachloride; containing 1,1,1-trichloroethane (methyl chloroform) :

3827.11 -- Containing chlorofluorocarbons (CFCs), whether or not containing hydrochlorofluorocarbons (HCFCs), perfluorocarbons (PFCs) or hydrofluorocarbons (HFCs)

3827.12 -- Containing hydrobromofluorocarbons (HBFCs)

3827.13 -- Containing carbon tetrachloride

3827.14 -- Containing 1,1,1-trichloroethane (methyl chloroform)

3827.20 - Containing bromochlorodifluoromethane (Halon-1211), bromotrifluoromethane (Halon-1301) or dibromotetrafluoroethanes (Halon-2402)

- Containing hydrochlorofluorocarbons (HCFCs), whether or not containing perfluorocarbons (PFCs) or hydrofluorocarbons (HFCs), but not containing chlorofluorocarbons (CFCs) :

3827.31 -- Containing substances of subheadings 2903.41 to 2903.48

3827.32 -- Other, containing substances of subheadings 2903.71 to 2903.75

3827.39 -- Other

3827.40 - Containing methyl bromide (bromomethane) or bromochloromethane

- Containing trifluoromethane (HFC-23) or perfluorocarbons (PFCs) but not containing chlorofluorocarbons (CFCs) or hydrochlorofluorocarbons (HCFCs) :

3827.51 -- Containing trifluoromethane (HFC-23)

3827.59 -- Other

- Containing other hydrofluorocarbons (HFCs) but not containing chlorofluorocarbons (CFCs) or hydrochlorofluorocarbons (HCFCs) :

3827.61 -- Containing 15% or more by mass of 1,1,1-trifluoroethane (HFC-143a)

- 3827.62 -- Others, not included in the subheading above, containing 55 % or more by mass of pentafluoroethane (HFC- 125) but not containing unsaturated fluorinated derivatives of acyclic hydrocarbons (HFOs)
- 3827.63 -- Others, not included in the subheadings above, containing 40 % or more by mass of pentafluoroethane (HFC-125)
- 3827.64 -- Others, not included in the subheadings above, containing 30 % or more by mass of 1,1,1,2-tetrafluoroethane (HFC-134a) but not containing unsaturated fluorinated derivatives of acyclic hydrocarbons (HFOs)
- 3827.65 -- Others, not included in the subheadings above, containing 20 % or more by mass of difluoromethane (HFC-32) and 20% or more by mass of pentafluoroethane (HFC-125)
- 3827.68 -- Others, not included in the subheadings above, containing substances of subheadings 2903.41 to 2903.48
- 3827.69 -- Other
- 3827.90 - Other”.

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AMENDEMENT DE LA NOMENCLATURE EN VUE DE CREER UNE NOUVELLE NOTE 4 DE LA  
SECTION VI ET UN NOUVEAU N° 38.27 EN CE QUI CONCERNE LES  
SUBSTANCES QUI APPAUVRISSENT LA COUCHE D'OZONE REGLEMENTEES PAR LE PROTOCOLE  
DE MONTREAL

CHAPITRE 38.N° 38.24. Sous-positions 3824.7 à 3824.79.

Supprimer ces sous-positions.

Nouveau n° 38.27.

Insérer la nouvelle position suivante :

**“38.27 Mélanges contenant des dérivés halogénés du méthane, de l'éthane ou du propane, non dénommés ni compris ailleurs.**

- Contenant des chlorofluorocarbures (CFC), même contenant des hydrochlorofluorocarbures (HCFC), des perfluorocarbures (PFC) ou des hydrofluorocarbures (HFC); contenant des hydrobromofluorocarbures (HBFC); contenant du tétrachlorure de carbone; contenant du 1,1,1-trichloroéthane :
- 3827.11 -- Contenant des chlorofluorocarbures (CFC), même contenant des hydrochlorofluorocarbures (HCFC), des perfluorocarbures (PFC) ou des hydrofluorocarbures (HFC)
- 3827.12 -- Contenant des hydrobromofluorocarbures (HBFC)
- 3827.13 -- Contenant du tétrachlorure de carbone
- 3827.14 -- Contenant du 1,1,1-trichloroéthane
- 3827.20 - Contenant du bromochlorodifluorométhane (halon-1211), du bromotrifluorométhane (halon-1301) ou des dibromotétrafluoroéthanes (halon-2402)
  - Contenant des hydrochlorofluorocarbures (HCFC), même contenant des perfluorocarbures (PFC) ou des hydrofluorocarbures (HFC), mais ne contenant pas de chlorofluorocarbures (CFC) :
- 3827.31 -- Contenant des substances des n°s 2903.41 à 2903.48
- 3827.32 -- Autres, contenant des substances des n°s 2903.71 à 2903.75
- 3827.39 -- Autres
- 3827.40 - Contenant du bromure de méthyle (bromométhane) ou du bromochlorométhane
  - Contenant du trifluorométhane (HFC-23) ou des perfluorocarbures (PFC) mais ne contenant pas de chlorofluorocarbures (CFC) ou d'hydrochlorofluorocarbures (HCFC) :
- 3827.51 -- Contenant du trifluorométhane (HFC-23)
- 3827.59 -- Autres
  - Contenant d'autres hydrofluorocarbures (HFC) mais ne contenant pas de chlorofluorocarbures (CFC) ou d'hydrochlorofluorocarbures (HCFC) :
- 3827.61 -- Contenant en poids 15 % ou plus de 1,1,1-trifluoroéthane (HFC-143a)
- 3827.62 -- Autres, non mentionnés dans la sous-position ci-dessus, contenant en poids 55 % ou plus de pentafluoroéthane (HFC- 125) mais ne contenant pas de dérivés fluorés non saturés des hydrocarbures acycliques (HFO)
- 3827.63 -- Autres, non mentionnés dans les sous-positions ci-dessus, contenant en poids 40 % ou plus de pentafluoroéthane (HFC-125)
- 3827.64 -- Autres, non mentionnés dans les sous-positions ci-dessus, contenant en poids 30 % ou plus de 1,1,1,2-tétrafluoroéthane (HFC-134a) mais ne contenant pas de dérivés fluorés non saturés des hydrocarbures acycliques (HFO)



3827.65 -- Autres, non mentionnés dans les sous-positions ci-dessus, contenant en poids 20 % ou plus de difluorométhane (HFC-32) et 20 % ou plus de pentafluoroéthane (HFC-125)

3827.68 -- Autres, non mentionnés dans les sous-positions ci-dessus, contenant des substances des n°s 2903.41 à 2903.48

3827.69 -- Autres

3827.90 - Autres”.

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