



GUIDE FOR IMPORTERS AND EXPORTERS IN MALAYSIA NATIONAL HS CODE FOR CONTROL SUBSTANCES UNDER MONTREAL PROTOCOL

Carbon Tetrachloride (CTC) & Methyl Chloroform

Under the Environmental Quality Order (Prohibition on the Use of Chlorofluorocarbons and Other Gases as Propellants and Expanding Agents) 1993, both CTC and methyl chloroform have been banned as propellants and blowing agents due to their ozone-depleting properties.

CHEMICAL NAME	HS CODE 2017
<i>1,1,1-Ttichloroethane (methyl chloroform)</i>	2903.19.20 00



Chlorofluorocarbons (CFCs)

- The prohibition of CFC use is regulated under the following:
- Environmental Quality Order (Prohibition on the Use of Chlorofluorocarbons and Other Gases as Propellants and Expanding Agents) 1993
 - Environmental Quality (Refrigerant Management) Regulations 2020

- CFC has been totally banned under the following:
- Customs (Prohibition of Imports) Order 2017
 - Customs (Prohibition of Exports) Order 2017

ASHRAE DESIGNATION	CHEMICAL NAME	HS CODE 2017
CFC-11	Trichlorofluoromethane	2903.77.00 11
CFC-12	Dichlorodifluoromethane	2903.77.00 12
CFC-13	Chlorodifluoromethane	2903.77.00 14
CFC-113	Trichlorotrifluoroethanes	2903.77.00 21
CFC-114	Dichlorotetrafluoroethanes	2903.77.00 22
CFC-115	Chloropentafluoroethane	
CFC-111	Pentachlorofluoroethane	2903.77.00 26
CFC-112	Tetrachlorodifluoroethanes	2903.77.00 27
Other	Chlorofluoropropane	2903.77.00 29
CFC-211	Heptachlorodifluoropropane	2903.77.00 41
CFC-212	Hexachlorodifluoropropane	2903.77.00 42
CFC-213	Pentachlorotrifluoropropane	2903.77.00 43
CFC-214	Tetrachlorotetrafluoropropane	2903.77.00 44
CFC-215	Trichloropentafluoropropane	2903.77.00 45
CFC-216	Dichlorohexafluoropropane	2903.77.00 46
CFC-217	Chloroheptafluoropropane	2903.77.00 47

Halon

The use of Halon in fire extinguishers is prohibited under the Environmental Quality (Halon Management) Regulations 1999.

ASHRAE DESIGNATION	CHEMICAL NAME	HS CODE 2017	NEW HS CODE 2022
Halon-1211	Bromochlorodifluoromethane	2903.76.00 00	2903.76.00 00
Halon-1301	Bromotrifluoromethane	2903.76.00 00	2903.76.00 00
Halon-2402	Dibromotetrafluoromethanes	2903.76.00 00	2903.76.00 00

Malaysia has successfully phased out CTCs, CFC and Halon by 1 January 2010

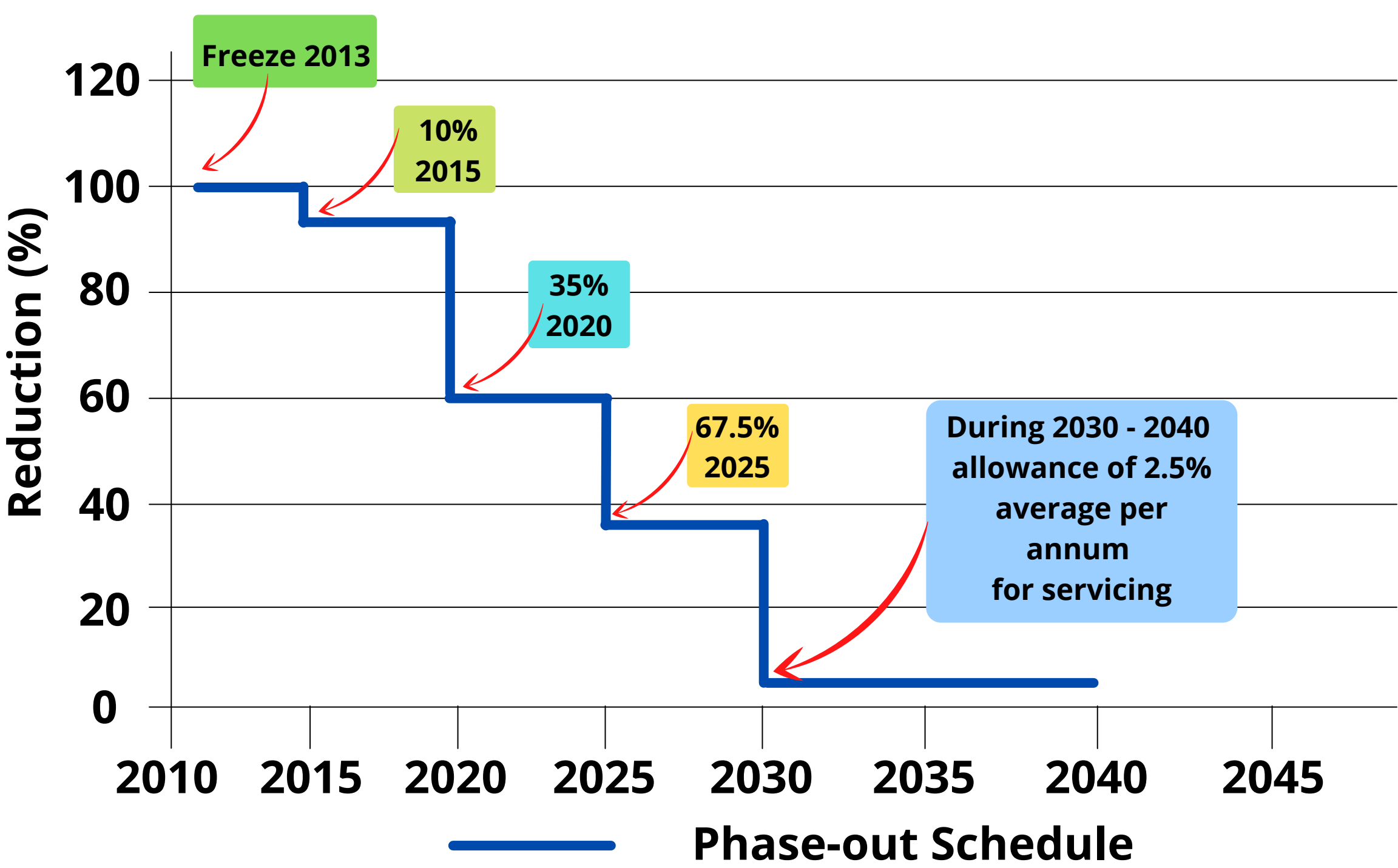


Hydrochlorofluorocarbons (HCFCs)

Malaysia froze the use of HCFC at baseline levels starting in 2013, reduce its usage by 10% in 2015, 35% in 2020, 67.5% in 2025, and 97.5% in 2030. The remaining 2.5% of HCFC allowed in 2030 until 2040 is solely permitted for the purpose of maintaining HCFC base equipment that is still in use during that period. Starting in 2040, all imports and usage of HCFC in Malaysia will be strictly and completely prohibited.

Effective 1 January 2023, no permit allocations will be available for importing HCFC-141b in the foam sector.

HCFC Phase-out Schedule



ASHRAE DESIGNATION	CHEMICAL NAME	HS CODE 2017	NEW HS CODE 2022
HCFC-22	Chlorodifluoromethane	2903.71.00 00	2903.71.00 00
HCFC-123	Dichlorotrifluoroethanes	2903.72.00 00	2903.72.00 00
HCFC-141,141b	Dichlorofluoroethanes	2903.73.00 00	2903.73.00 00
HCFC-142,142b	Chlorodifluoroethanes	2903.74.00 00	2903.74.00 00
HCFC-225, 225ca, 225cb	Dichloropentafluoropropanes	2903.75.00 00	2903.75.00 00
Other	Perhalogenated only with fluorine and chlorine	2903.77.00 00	2903.77.00 00

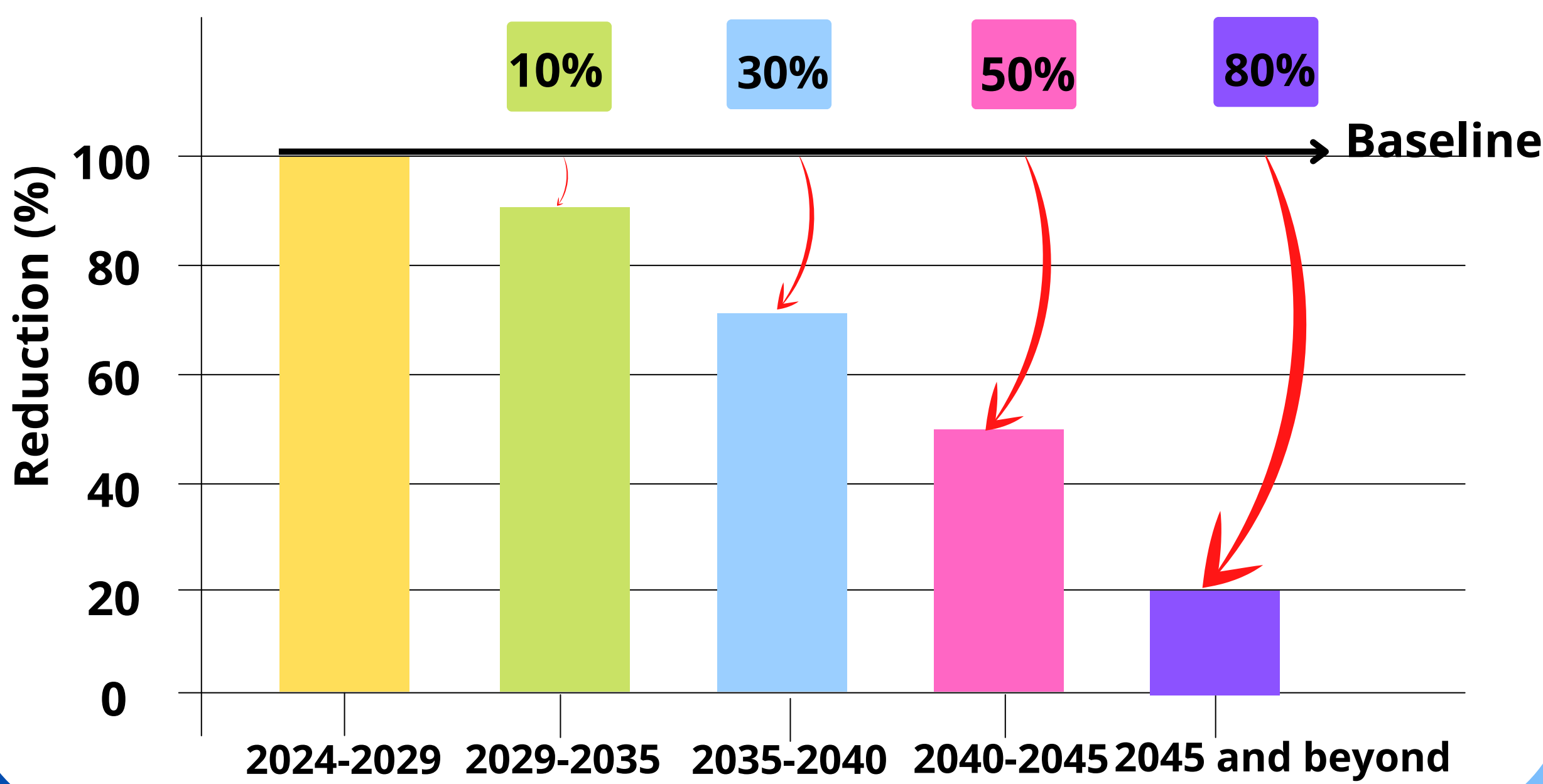


Hydrofluorocarbons (HFCs)

Under the Kigali Amendment to the Montreal Protocol, the production and consumption of hydrofluorocarbons (HFCs), commonly used as refrigerants and air conditioning, mobile air conditioning, commercial refrigeration, refrigeration transportation, fire suppression, foam and aerosol are regulated.

Malaysia, classified as an Article 5 (Group 1) country, ratified the Kigali Amendment on 21 October, 2020.
Malaysia will start freeze the HFC consumption at baseline levels starting from 1st January 2024.

HFC Phase-down Schedule



ASHRAE DESIGNATION	CHEMICAL NAME	HS CODE 2017	NEW HS CODE 2022
HFC-23	Trifluoromethane	2903.39.90 42	2903.41.00 00
HFC-32	Difluoromethane	2903.39.90 41	2903.42.00 00
HFC-41	Fluoromethane	2903.39.90 30	2903.43.00 10
HFC-152A	1,1-difluoroethane	2903.39.90 51	2903.43.00 20
HFC-152	1,2-difluoroethane	2903.39.90 52	2903.43.00 30
HFC-125	Pentafluoroethane	2903.39.90 57	2903.44.00 10
HFC-143A	1,1,1-trifluoromethane	2903.39.90 53	2903.44.00 20
HFC-143	1,1,2-trifluoromethane	2903.39.90 54	2903.44.00 30
HFC-134A	1,1,1,2-tetrafluoroethane	2903.39.90 55	2903.45.00 10
HFC-134	1,1,2,2-tetrafluoroethane	2903.39.90 56	2903.45.00 20
HFC-227EA	1,1,1,2,3,3,3-heptafluoropropane	2903.39.90 66	2903.46.00 10
HFC-236CB	1,1,1,2,2,3-hexafluoropropane	2903.39.90 63	2903.46.00 20
HFC-236EA	1,1,1,2,3,3-hexafluoropropane	2903.39.90 64	2903.46.00 30
HFC-236FA	1,1,1,3,3,3-hexafluoropropane	2903.39.90 65	2903.46.00 40
HFC-245FA	1,1,1,3,3-pentafluoropropane	2903.39.90 61	2903.47.00 10
HFC-245CA	1,1,2,2,3-pentafluoropropane	2903.39.90 62	2903.47.00 20
HFC-365MFC	1,1,1,3,3-pentafluorobutane	2903.39.90 10	2903.48.00 10
HFC-43-10MEE	1,1,1,2,2,3,4,5,5,5-decafluoropentane	2903.39.90 20	2903.48.00 20
Other	Unsaturated fluorinated derivates of acyclic hydrocarbons	2903.39.90 70	2903.49.00 00

HS CODE FOR MIXTURE CONTAINING HFCs

38.27 - Mixtures containing halogenated derivates of methane, ethane or propane, not elsewhere specified included.
Containing (CFCs), (HCFCs), (PFCs), (HFCs),(HBFCs)

ASHRAE DESIGNATION	REFRIGERANT	HS CODE 2017	NEW HS CODE 2022
(HFC-23) and PFC-116(hexaflouroethane) (HFC-508B)	R-508B	3824.78.00 60	3827.51.00 10
Other	R-508A	3824.78.00 60	3827.51.00 90
Other (HFCs) but not containing (CFCs) or (HCFCs)	R-413A	3824.78.00 60	3827.59.00 00
(HFC-125), (HFC-143A), & (HFC-134A)(HFC-404A)	R-404A	3824.78.00 10	3827.61.10 00
(HFC-125) & (HFC-143A)(HFC-507A)	R-507A	3824.78.00 50	3827.61.20 00
Other	R-428A,R-434A	3824.78.00 50	3827.61.90 00
Containing 55% or more (HFC-125) but not containing (HFOs)	R-407B, R-421A, R-422C, R-410B, R-421B, R-422D, R-417B, R-422A , R-422E, R-419A, R-422B	N.A	3827.62.00 00
Containing mixture of (HFC-32) & (HFC-125) (HFC-410A)	R-410A	3824.78.00 30	3827.63.10 00
Other		N.A	3827.63.90
Containing mixture of (HFC-125) & (HFC-134A)(HFC-407A)	R-407A	3824.78.00 20	3827.63.90 10
Containing mixture of (HFC-134A), (HFC-125) & (HC-600) (butane)(HFC-438A)	R-417A	3824.78.00 40	3827.63.90 20
	R-438A	3824.78.00 40	3827.63.90 30
Containing mixture of (HFC-125),(HFC-32) & (HFO-1234YF) (HFC-452A)	R-452A	N.A	3827.63.90 40
Other	R-424A,R-452C,R410A, R-460A,R-439A,R-419B	N.A	3827.63.90 90
Containing mixture of (HFC-32), (HFC-125), (HFC-134A) (HFC-407C)	R-407C	3824.78.00 20	3827.64.00 10
Containing mixture of (HFC-32), (HFC-125), (HFC-134A) (HFC-407F)	R-407F	3824.78.00 20	3827.64.00 20
Containing mixture of (HFC-32), (HFC-125), (HFC-134A) (HFC-407H)	R-407H	3824.78.00 20	3827.64.00 30
Containing mixture of (HFC-32), (HFC-125), (HFC143A), & (HFC-134A) (HFC-427A)	R-427A	3824.78.00 50	3827.64.00 40
Other	R-407D,R-417C,R-437C,R-407E,R-423A, R-442A,R-407F,R-425A,R-453A,R-407G, R-426A,R-458A	N.A	3827.64.00 90

HS CODE FOR MIXTURE CONTAINING HFCs

38.27 - Mixtures containing halogenated derivates of methane, ethane or propane, not elsewhere specified included.
Containing (CFCs), (HCFCs), (PFCs), (HFCs),(HBFCs)

ASHRAE DESIGNATION	REFRIGERANT	HS CODE 2017	NEW HS CODE 2022
Other, containing 20% or more (HFC-32) & 20% or more of (HFC-125)	R-448A, R-449C, R-449A, R-460B, R-449B	3824.78.00 20	3827.65.00 00
Other, containing substances of subheadings 2903.41 to 2903.48	R-429A, R-447A, R-455A, R-430A, R-447B, R-456A, R-431A, R-450A, R-457A, R-435A, R-451A, R-459A, R-440A, R-451B, R-459B, R-444A, R-452B, R-512A, R-444B, R-454A, R-513A, R-445A, R-454B, R-513B, R-446A, R-454C, R-515A	N.A	3827.68.00 00
Other	R-514A	N.A	3827.69.00 00
Other	R-432A,R-433A,R-433B, R-433C,R-436A,R-436B, R-436C,R-441A,R-443A, R-510A,R-511A,R-514A	N.A	3827.90.00 00

Hydrofluoroolefin (HFOs)

ASHRAE DESIGNATION	REFRIGERANT	HS CODE 2017	NEW HS CODE 2022
Other	2,3,3,3 - Tetrafluoropropane HFO-1234yf 1,3,3,3 - Tetrafluoropropane HFO-1234ze (Z) - 1,1,1,4,4,4 - Hexafluoro - 2 -butene - HFO-1336mzz	N.A	2903.51.00 00
Other	Brominated or iodinated derivatives of acyclic hydrocarbons	2903.39.90 70	2903.59.00 00

ASHRAE DESIGNATION	HS CODE 2022
<i>Other perhalogenated derivatives</i>	2903.78.00 00
<i>Other - Halogenated derivatives of cyclanic, cyclenic or cycloterpenic hydrocarbons</i>	2903.79.00 00
<i>Hexachlorocyclohexane (HCF(ISO)), including lindane (ISO,INN)</i>	2903.81.00 00
<i>Aldrin (ISO), chlordane (ISO) and heptachlor (ISO)</i>	2903.82.00 00
<i>Mirex (ISO)</i>	2903.83.00 00
<i>Other - Halogenated derivatives of aromatic hydrocarbons</i>	2903.89.00 00
<i>Chlorobenzene, o-dichlorobenzene and p-dichlorobenzene</i>	2903.91.00 00
<i>Hexachlorobenzene (ISO) and DDT (ISO)(clofenotane (INN), 1,1,1-trichloro-2,2-bis (p-chlorophenyl)ethane)</i>	2903.92.00 20
<i>Pentachlorobenzene (ISO)</i>	2903.93.00 00
<i>Hexabromobiphenyls</i>	2903.94.00 00
<i>Other</i>	2903.99.00 00
<i>Derivates containing only sulpho groups, their salts and ethyl esters</i>	2904.10.00 00
<i>Trinitrotoluene</i>	2904.20.10 00
<i>Other - Perfluorooctane sulphonic acid, its salts and perfluorooctane sulphonyl fluoride</i>	2904.20.90 00

HS CODE FOR MIXTURE CONTAINING HFCs

38.27 - Mixtures containing halogenated derivates of methane, ethane or propane, not elsewhere specified included.
Containing (CFCs), (HCFCs), (PFCs), (HFCs),(HBFCs)

DESCRIPTION	HS CODE 2022
Other	3827.11.90 00
(HBFCs)	3827.12.00 00
Containing carbon tetrachloride	3827.13.00 00
Trichloroethane (methyl chloroform)	3827.14.00 00
(Halon-1211), (Halon-1301),(Halon-2402) (HCFCs), (PFCs), (HFCs) but not containing (CFCs)	3827.20.00 00
Containing substances of subheadings 2903.41 to 2903.48	3827.31.00 00
Containing substances of subheadings 2903.71 to 2903.75	3827.32.00 00
Transformer & circuit breaker oils, containing by weight less than 70% of petroleum oils or of oils obtained from bituminous minerals	3827.39.10 00
Other	3827.39.90 00
Containing (bromomethane), (HFC-23) or (PFCs) but not containing (CFCs) or (HCFCs)	3827.40.00 00