

NEA/HS/6.6

22 Nov 2018

To: All Traders & Declaring Agents

Dear Sir/Madam,

## LICENSING REQUIREMENTS FOR HYDROFLUOROCARBONS (HFCs) CONTROLLED UNDER THE ENVIRONMENTAL PROTECTION AND MANAGEMENT ACT

With effect from **1 Jan 2019**, 18 types of HFCs (inclusive of blends/mixtures that contain one or more of these HFCs) will be controlled by the National Environment Agency (“NEA”) under the Environmental Protection and Management Act (“EPMA”).

### Licensing Requirements

2 Companies importing and/or exporting any of the controlled HFCs (inclusive of blends/mixtures that contain one or more of these HFCs) are required to obtain a Hazardous Substances Licence from NEA prior to the import and/or export. The controlled HFCs are listed in **ANNEX A**. Applications can be submitted to NEA online via Licenceone at - <https://licence1.business.gov.sg>.

3 In addition to a Hazardous Substances Licence, companies importing the **flammable HFCs** that are jointly controlled by SCDF and NEA are required to obtain Import Licence from SCDF. Companies storing and transporting flammable HFCs above SCDF’s exemption quantities are also required to obtain Storage and Transportation Licence from SCDF. The list of HFCs jointly controlled by NEA and SCDF are listed as follows :

- i. Difluoroethane (HFC-152a)
- ii. Difluoromethane (HFC-32)
- iii. Methylfluoride (Fluoromethane) (HFC-41)
- iv. 1,1,1,3,3-pentafluorobutane (Pentafluorobutane) (HFC-365mfc)
- v. 1,1,1-Trifluoroethane (HFC-143a)

4 With effect from 1 Jan 2019, traders and declaring agents are required to declare in the import and export permit applications for HFCs using the relevant HS Codes and NEA/SCDF Product Codes in the following Annexes:

- i. **Annex A** - Import and Export<sup>1</sup> Permit Applications for Controlled HFCs
- ii. **Annex B** - Import Permit Application for HFCs Jointly Controlled by NEA and SCDF **above SCDF exemption quantities**
- iii. **Annex C** - Import Permit applications of HFCs Jointly Controlled by NEA and SCDF **below SCDF exemption quantities**

5 For importation of blends/mixtures containing one or more of the 5 jointly controlled HFCs and are categorized under flammables, companies are required to contact SCDF for assessment and advice on the Import, Storage and Transportation Licence.

TradeNet Declaration involving 1,1-Difluoroethylene (HFC-1132a)

6 With effect from 1 Jan 2019, traders and declaring agents are only required to declare for the import of 1,1-difluoroethylene (HFC-1132a) using SCDF product codes only.

7 Should you have any enquiries, please contact:

SCDF

- i. Mr Md Razif Bin Abdul Rahman @ 68481474 or email at [Md Razif ABD RAHMAN@scdf.gov.sg](mailto:Md_Razif_ABD_RAHMAN@scdf.gov.sg)
- ii. Mr Muhammad Nasir Bin Hashim @ 68481468 or email at [Muhhammad Nasir HASHIM@scdf.gov.sg](mailto:Muhhammad_Nasir_HASHIM@scdf.gov.sg)
- iii. Mr Mahaintharan @ 6848 1429 or email at [K Mahaintharan@scdf.gov.sg](mailto:K_Mahaintharan@scdf.gov.sg)

NEA

- i. Mr Darren Tay @ 63701923 or email at [darren\\_tay@nea.gov.sg](mailto:darren_tay@nea.gov.sg)

*(This is a computer-generated circular and requires no signature.)*

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<sup>1</sup> As SCDF does not have licensing requirements for the export of HFCs, traders and declaring agents are to declare using NEA product codes only.

## Annex A

### **NEA Product Codes for Import and Export Declarations of Controlled HFCs.**

(Note: HFCs with asterisk (\*) are jointly controlled by SCDF and NEA. Please refer to Annex B for SCDF Product Codes for Import Declaration of these HFCs.)

S/N	Controlled HFC	HS Code	Product Code	Product Code Description
1	Difluoromethane (HFC-32)	29033990	PCDHFC032	Difluoromethane*
		38247800	PCDHFC032	Difluoromethane –in mixtures
2	Fluoromethane (Methyl Fluoride) (HFC-41)	29033990	PCDHFC041	Fluoromethane (Methyl Fluoride)*
		38247800	PCDHFC041	Fluoromethane (Methyl Fluoride)–in mixtures
3	1,1,1-Trifluoroethane (HFC-143a)	29033990	PCDHFC143	1,1,1-Trifluoroethane*
		38247800	PCDHFC143	1,1,1-Trifluoroethane –in mixtures
4	1,1-Difluoroethane (HFC-152a)	29033990	PCDHFC152	1,1,1,2-Tetrafluoroethane*
		38247800	PCDHFC152	1,1,1,2-Tetrafluoroethane –in mixtures
5	1,1,1,3,3-Pentafluorobutane (HFC-365mfc)	29033990	PCDHFC365	1,1,1,3,3- Pentafluorobutane*
		38247800	PCDHFC365	1,1,1,3,3- Pentafluorobutane – in mixtures
6	Trifluoromethane (HFC-23)	29033990	PCDHFC023	Trifluoromethane
		38247800	PCDHFC023	Trifluoromethane –in mixtures
7	1,1,2,2-Tetrafluoroethane (HFC-134)	29033990	PCDHFC034	1,1,2,2-Tetrafluoroethane
		38247800	PCDHFC034	1,1,2,2-Tetrafluoroethane –in mixtures
8	1,1,2-Trifluoroethane (HFC-143)	29033990	PCDHFC043	1,1,2-Trifluoroethane
		38247800	PCDHFC043	1,1,2-Trifluoroethane - in mixtures
9	1,2-Difluoroethane (HFC-152)	29033990	PCDHFC052	1,2-Difluoroethane
		38247800	PCDHFC052	1,2-Difluoroethane - in mixtures
10	Pentafluoroethane (HFC-125)	29033990	PCDHFC125	Pentafluoroethane
		38247800	PCDHFC125	Pentafluoroethane –in mixtures
11	1,1,1,2-Tetrafluoroethane (HFC-134a)	29033990	PCDHFC134	1,1,1,2-Tetrafluoroethane
		38247800	PCDHFC134	1,1,1,2-Tetrafluoroethane –in mixtures
12	1,1,1,2,3,3,3-Heptafluoropropane	29033990	PCDHFC227	1,1,1,2,3,3,3-Heptafluoropropane

S/N	Controlled HFC	HS Code	Product Code	Product Code Description
	(HFC-227ea)	38247800	PCDHFC227	1,1,1,2,3,3,3-Heptafluoropropane – in mixtures
13	1,1,1,2,2,3-Hexafluoropropane (HFC-236cb)	29033990	PCDHFC233	1,1,1,2,2,3-Hexafluoropropane
		38247800	PCDHFC233	1,1,1,2,2,3-Hexafluoropropane – in mixtures
14	1,1,1,2,3,3-Hexafluoropropane (HFC-236ea)	29033990	PCDHFC235	1,1,1,2,3,3-Hexafluoropropane
		38247800	PCDHFC235	1,1,1,2,3,3-Hexafluoropropane – in mixtures
15	1,1,1,3,3,3-Hexafluoropropane (HFC-236fa)	29033990	PCDHFC236	1,1,1,3,3,3-Hexafluoropropane
		38247800	PCDHFC236	1,1,1,3,3,3-Hexafluoropropane – in mixtures
16	1,1,2,2,3-pentafluoropropane (HFC-245ca)	29033990	PCDHFC243	1,1,2,2,3-pentafluoropropane
		38247800	PCDHFC243	1,1,2,2,3-pentafluoropropane – in mixtures
17	1,1,1,3,3-Pentafluoropropane (HFC-245fa)	29033990	PCDHFC245	1,1,1,3,3-Pentafluoropropane
		38247800	PCDHFC245	1,1,1,3,3-Pentafluoropropane – in mixtures
18	1,1,1,2,2,3,4,5,5,5-decafluoropentane (HFC-4310mee)	29033990	PCDHFC431	1,1,1,2,2,3,4,5,5,5-decafluoropentane
		38247800	PCDHFC431	1,1,1,2,2,3,4,5,5,5-decafluoropentane – in mixtures

HS Code Description

29033990 Other fluorinated, brominated or iodinated derivatives of acyclic hydrocarbons

38247800 Mixtures containing perfluorocarbons or hydrofluorocarbons but not chlorofluorocarbons or hydrofluorocarbons

**Annex B**

NEA and SCDF Product Codes for Import Declaration of HFCs **Above SCDF Exemption Quantity**

S/N	Controlled HFCs	HS Code	NEA Product Code	SCDF Exemption Qty (Gross Weight)	SCDF Product Code
1	Difluoroethane (HFC-152a)	29033990	PCDHFC152	130 kg	SCDDFE1030G1
2	Difluoromethane (HFC-32)	29033990	PCDHFC032	130 kg	SCDDFM3252G1
3	Methylfluoride (Fluoromethane) (HFC-41)	29033990	PCDHFC041	130 kg	SCDMEF2454G1
4	1,1,1,3,3-pentafluorobutane (Pentafluorobutane) (HFC-365mfc)	29033990	PCDHFC365	20 litres	SCDPFB1993L2
5	1,1,1-Trifluoroethane (HFC-143a)	29033990	PCDHFC143	130 kg	SCDTFE2035G1
6	1,1-Difluoroethylene (HFC-1132a)	29033990	-	130 kg	SCDDFE1959G1

**Annex C**

NEA and SCDF Product Codes for Import Declaration of HFCs **Below SCDF Exemption Quantity**

S/N	Controlled HFCs	HS Code	NEA Product Code	SCDF Exemption Qty (Gross Weight)	SCDF Product Code
1	Difluoroethane (HFC-152a)	29033990	PCDHFC152	130 kg	SCDFMGMISC
2	Difluoromethane (HFC-32)	29033990	PCDHFC032	130 kg	SCDFMGMISC
3	Methylfluoride (Fluoromethane) (HFC-41)	29033990	PCDHFC041	130 kg	SCDFMGMISC
4	1,1,1,3,3-pentafluorobutane (Pentafluorobutane) (HFC-365mfc)	29033990	PCDHFC365	20 litres	SCDFMLAMISC
5	1,1,1-Trifluoroethane (HFC-143a)	29033990	PCDHFC143	130 kg	SCDFMGMISC
6	1,1-Difluoroethylene (HFC-1132a)	29033990	-	130 kg	SCDFMGMISC