

Environmental Management (Prohibition and Control of Ozone Depleting Substances, Greenhouse Gases, Ozone Depleting Substances and Greenhouse Gases Dependent Equipment) Regulations, 2023

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IT is hereby notified that the Minister of Environment, Climate, Tourism and Hospitality Industry has, in terms of section 140(2)(b) of the Environmental Management Act [*Chapter 20:27*] made the following regulations:—

Title

1. These regulations may be cited as the Environmental Management (Prohibition and Control of Ozone Depleting Substances, Greenhouse Gases, Ozone Depleting Substance Dependent Equipment and Greenhouse Gases Dependent Equipment) Regulations, 2023.

Interpretation

2. In these regulations—

“enforcement officer” means an officer appointed in terms of section 35(1) of the Environmental Management Act [*Chapter 20:27*] or any other officer appointed by the Secretary for the Ministry responsible for ozone layer protection to enforce the provisions of these regulations;

“form” means the appropriate form as specified in the First Schedule;

“greenhouse gas” or “GHG”, means any Hydrofluorocarbons or mixtures of Hydrofluorocarbons controlled by and listed under the Kigali Amendment to the Montreal Protocol and specified in the Fourth Schedule;

“greenhouse gas dependent equipment” or “GHG dependent equipment” means products or equipment consisting of Hydrofluorocarbons or mixtures of Hydrofluorocarbons, including equipment whose continuous functioning relies on the use of these gases;

“hydrocarbon” or “HC” means any organic chemical containing Hydrogen and Carbon atoms with a zero ozone depletion potential and low global warming

potential adopted as a replacement for ozone depleting substances and greenhouse gases;

“Kigali Amendment” refers to an amendment of the Montreal protocol that was effected at the 28th Meeting of Parties and listed hydrofluorocarbons as controlled substances;

“licence” means an import or export or transit licence issued in terms of section 6 of these regulations;

“Montreal Protocol” means the Montreal Protocol on Substances that Deplete the Ozone layer;

“officer” means a Zimbabwe Revenue Authority officer appointed in terms of section 20 of the Revenue Authority Act [*Chapter 23:11*];

“ozone depleting substance” or “ODS”, means any chemical substance which destroys the ozone layer and is controlled under the Montreal Protocol;

“ozone depleting substance dependent equipment” or “ODS dependent equipment” means products or equipment consisting of ozone depleting substances, including equipment whose continuous functioning relies on the use of ozone depleting substances;

“ozone office” means the National Ozone Office as established by the Minister;

“quota” means maximum allowable quantities of an ozone depleting substance or a greenhouse gas which an applicant is allowed to import or export within a calendar year;

“secretary” means Permanent Secretary for the Ministry responsible for the protection of the ozone layer.

Application

3. These regulations shall apply to private and public individuals, industrial and commercial importers, exporters, producers and consumers of ozone depleting substances and greenhouse gases listed in the Second, Third and Fourth Schedules and ozone depleting substance and greenhouse gas dependent equipment listed in the Fifth Schedule.

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Prohibited substances and equipment

4. (1) No person shall import into Zimbabwe, any substances listed, and equipment or appliance which uses or whose continuous function relies on the substances listed in the Second Schedule.

(2) No person shall import into Zimbabwe, any equipment or appliance which uses or whose continuous function relies on Dichlorofluoromethane (HCFC-22).

(3) Any person who contravenes subsections (1) and (2) shall be guilty of an offence and liable to a fine not exceeding level 14 or imprisonment for a period not exceeding one year or both such fine and such imprisonment.

(4) In addition, the court convicting a person of an offence under subsection (1), may, upon the application of the Prosecutor, declare any ozone depleting substances, greenhouse gases, greenhouse gas dependent equipment or ozone depleting substance dependent equipment in respect of which the offence has been committed to be forfeited to the State.

(5) Any ozone depleting substance, greenhouse gas and ozone depleting substance or greenhouse gas dependent equipment forfeited in terms of subsection (4) shall be destroyed or otherwise dealt with as the Secretary may direct.

(6) The licence of any person or entity convicted in contravention of subsection (1) may be terminated by the Secretary or any person so delegated.

Import, export and transit goods licences

5. (1) Not less than one month prior to the commencement of a new calendar year, the Ozone Office shall, through a notice in the *Gazette* and at least two (2) newspapers enjoying wide circulation, invite applications from individuals and companies intending to import, transit or export ozone depleting substances, greenhouse gases, ozone depleting substance dependent appliances and greenhouse gas dependent appliances to submit applications in the prescribed form to the office stating their projected requirements for the coming year.

(2) Any person who wishes to import or export ozone depleting substance, greenhouse gas, ozone depleting substance dependent equipment or greenhouse gas dependent equipment or any chemical listed in the Third and Fourth Schedules shall respond to the Ozone Office's advertisement and apply through the established online system on the Government E-Services portal.

(3) Any person who wishes to transport ozone depleting substances, greenhouse gases, ozone depleting substances dependent equipment or greenhouse gas dependent equipment or any substances listed in the Third, Fourth and Fifth Schedules in transit to neighbouring countries shall apply through the established online system on the Government E-Services portal.

(4) Any application for a licence made in terms of subsections (2) and (3), shall be accompanied by an application fee as specified in the Sixth Schedule, which is non-refundable.

(5) Where an applicant makes an application outside of the timeline outlined in subsection (1) such application shall be considered as a late application and will attract an additional non-refundable fee constituting fifty (50) *per centum* of the application fee and can only be processed subject to availability of allowable quotas in line with the country's ozone depleting substances phase out schedules and greenhouse gases phase down schedules.

Processing of applications and issuance of licences

6. (1) The Ozone Office shall, as soon as practicable, but in any case not later than fourteen (14) working days from the date of receipt of an application—

- (a) grant the application and allocate an annual quota (subject to such conditions as it may think fit to impose) and issue to the applicant the import or export license applied for; or
- (b) refuse the application giving reasons thereof.

(2) If an application for a licence is successful (whether approved with or without conditions by the Ozone Office), the Ozone Office shall—

- (a) inform the applicant accordingly; and

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- (b) issue to the applicant a licence; and
- (c) make an appropriate entry in the licensing register.

(3) Every licence shall be valid for a period of a calendar year ending on 31st December of the year in which the applicant received the licence, unless it is earlier surrendered to or cancelled by the Ozone Office.

(4) If a licensee ceases to operate as such, he or she shall, within thirty (30) days of ceasing to operate, surrender his or her licence to the Ozone Office.

(5) Any person who contravenes subsection (4) shall be guilty of an offence and liable to a fine not exceeding level 5 or imprisonment for a period not exceeding one month or both such fine and such imprisonment.

(6) Where the Ozone Office issues a licence in terms of subsection (1), the license shall state the allocated quota for each controlled substance.

(7) No licence issued in terms of these regulations shall be transferable to another person.

(8) Any person who contravenes subsection (7) shall be guilty of an offence and liable to a fine not exceeding level 10 or imprisonment for a period not exceeding one year or both such fine and such imprisonment.

(9) All imported ozone depleting substances, greenhouse gases and ozone depleting substance or greenhouse gas dependent equipment shall be utilised before their phase out dates.

(10) All transit ozone depleting substances, greenhouse gases and ozone depleting substance or greenhouse gas dependent equipment shall be declared and certified at the exit port.

Suspension or cancellation of licences

7. (1) Subject to subsections (2) and (4), the Ozone Office may at any time suspend (for a period not exceeding sixty (60) days) or cancel any licence if the Ozone Office has reasonable grounds for believing that—

- (a) the licence was issued in error or through fraud or misrepresentation or non-disclosure of a material fact by the licensee; or
- (b) the licensee has contravened any provision of the Act or these regulations or any condition of his or her licence; or
- (c) the licensee has ceased the licensed importation or exportation.

(2) The Ozone Office shall notify the licensee in writing of its intention to suspend or cancel his or her licence and the reasons for doing so, and shall call upon the licensee to show cause, within fourteen (14) days from the date of the notice, why the licence should not be suspended or cancelled, as the case may be:

Provided that if in the opinion of the Ozone Office the licence needs to be immediately suspended or cancelled in the public interest or to avert an environmental emergency he or she can issue the notice requiring the licensee to show cause after suspending or cancelling the licence.

(3) If, at the expiry of the period specified in the notice given in terms of subsection (2), and after considering any representations made by the licensee, the Ozone Office is satisfied for any reason specified in subsection (1) that the licence concerned should be suspended or cancelled, the Ozone Office shall, by notice in writing to the licensee, suspend or cancel the licence or take such other action as it considers appropriate.

(4) The penalty of suspension is only available where there has been a contravention of any provision of the Act or these regulations or any condition of a licence which, in the opinion of the Ozone Office, is a contravention that can be easily or speedily remediated by the licensee:

Provided that—

- (a) if after the expiry of the period of suspension the licensee has not taken the remedial action, the Ozone Office shall forthwith cancel the licence; or
- (b) on good cause shown by the licensee, the Ozone Office may extend the suspension for a period not exceeding

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thirty (30) days to allow the licensee to take the required remedial action.

(5) The Ozone Office shall immediately make an appropriate entry in the register of licences where he or she suspends or lifts a suspension of any licence or cancels it in accordance with this section.

Amendment and replacement of licences

8. (1) The Ozone Office may at any time amend a licence or any terms or conditions of a licence—

- (a) to correct any error in the licence; or
- (b) if the licensee requests the amendment; or
- (c) if it considers the amendment necessary to reflect the true nature of the licensed activities; or
- (d) if for any other reason it considers the amendment necessary or desirable in the interests of the environment or in the public interest.

(2) The Ozone Office shall notify the licensee in writing of its intention to amend a licence on a ground referred to in subsections (1)(a), (c) or (d) and shall call upon the licensee to show cause, within 14 days from the date of the notice, why the licence should not be amended.

(3) Where a licensee requests an amendment to his or her licence, he or she shall make an application to the Ozone Office in Form AP2, together with the fee as specified in the Sixth Schedule.

(4) If in the opinion of the Ozone Office the amendment sought by the licensee is a material amendment, section 6(2), (3), (4), (5) and (6) shall apply as if the application for the amendment is an original application for a licence.

(5) Where a licence is lost or destroyed, the licensee may apply to the Ozone Office in Form AP3, together with the fee as specified in the Sixth Schedule, for a replacement licence:

Provided that, if the licensee finds the lost licence he or she shall forthwith surrender it to the Ozone Office.

(6) Any person who contravenes the proviso to subsection (5) shall be guilty of an offence and liable to a fine not exceeding level 6 or imprisonment for a period not exceeding six months or both such fine and such imprisonment.

Register of licensed importers, exporters and transit goods licensees

9. (1) The Ozone Office shall establish and maintain a register of licences to be known as the Import, Export and Transit Goods Licensing Register, which shall be for the purposes of registering all licensed importers, exporters or consumers of ozone depleting substances, greenhouse gases, ozone depleting substance dependent equipment and greenhouse gas dependent equipment and in which the following shall be recorded—

- (a) the name and address of every licensee and the addresses at which he or she operates from; and
- (b) the allocated import or export quotas of each controlled substance; and
- (c) the date of issue of every licence and of any renewal thereof; and
- (d) any special terms or conditions subject to which any licence is issued or renewed; and
- (e) the particulars of any suspension or cancellation or amendment of the licence.

(2) Every licenced importer, exporter and transit goods licensee shall pay registration fee specified in the Sixth Schedule to be registered in the Import, Export and Transit Licensing Register referred to in subsection (1).

(3) Any person may—

- (a) inspect the register of licences free of charge at all reasonable times at the premises of the Ozone Office or at such other place that the Ozone Office may direct; or
- (b) obtain copies of or extracts from the register for a fee as specified in the Sixth Schedule.

(4) The Ozone Office shall keep and maintain the register in both material and electronic form.

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Returns to be furnished by licensed importers, exporters or consumers

10. (1) Every licensed importer or exporter of ozone depleting substances, greenhouse gas, ozone depleting substances dependent equipment or greenhouse gas dependent equipment shall in the form and manner and within the time required by the Ozone Office, furnish the Ozone Office with annual reports or other information in connection with—

- (a) quantities of ozone depleting substances, greenhouse gases, ozone depleting substances dependent equipment and greenhouse gas dependent equipment, imported or exported, used or destroyed by approved means; and
- (b) sources of each ozone depleting substance, greenhouse gas, ozone depleting substance dependent equipment and greenhouse gas dependent equipment, imported or exported indicating country, address, contact person, address and contact telephone or fax numbers; and
- (c) quarterly or half-yearly inventories of ozone depleting substance, greenhouse gas, ozone depleting substance dependent equipment, greenhouse gas dependent equipment indicating total capacity, consumed quantities and projected imports or exports and consumption for the following year.

(2) Any person who does not comply with the requirements of subsection (1) shall be guilty of an offence and liable to a fine not exceeding level 6 or imprisonment for a period not exceeding six months or both such fine and such imprisonment.

Authorised persons to repair, service, handle, install and decommission ozone depleting substances, greenhouse gases, ozone depleting substances dependent equipment and greenhouse gas dependent equipment

11. (1) No person shall repair, service, handle, install or decommission an ozone depleting substance, greenhouse gas, ozone depleting substance dependent equipment and greenhouse gas dependent equipment unless he or she has been trained and certified

to do any such activity by the National Ozone Office, in accordance with the National Standard (SAZS 1012:2019) on certification of refrigeration and air conditioning practitioners.

(2) Retailers, sellers and distributors of ozone depleting substances and greenhouse gases, shall not sell such substances to any person unless he or she has been trained and certified in the handling of such substances by the National Ozone Office.

(3) The owner of the ozone depleting substance dependent equipment or greenhouse gas dependent equipment with a rated charge of ten (10) kilograms to be repaired, serviced, handled, installed or decommissioned shall submit a written request to the National Ozone Office before any work commences.

(4) The National Ozone Office shall supervise, monitor and certify the recovery of refrigerant, installation or decommissioning of ozone depleting substances dependent equipment or greenhouse gas dependent equipment.

(5) Any person who contravenes the provisions of subsections (1), (2) and (3) shall be guilty of an offence and liable to a fine not exceeding level 6 or imprisonment for a period not exceeding six months or both such fine and such imprisonment.

Permission to destroy ozone depleting substances, greenhouse gases, ozone depleting substance dependent equipment and greenhouse gas dependent equipment

12. (1) If the owner or other person having control of ozone depleting substances, greenhouse gases, ozone depleting substance dependent equipment or greenhouse gas dependent equipment wishes to destroy them, he or she shall submit a written statement to the National Ozone Office.

(2) If the Ozone Office grants permission for the goods to be destroyed, an enforcement officer shall be appointed to witness the destruction and when the substance and equipment has been destroyed the enforcement officer shall record the quantities destroyed and sign a certificate of destruction.

(3) Any person who does not comply with the requirements of subsection (1) shall be guilty of an offence and liable to a fine not

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exceeding level 11 or imprisonment for a period not exceeding one year or both such fine and such imprisonment.

Labelling, packaging, “proof of origin” and energy performance

13. (1) All importers, exporters or consumers of ozone depleting substances, greenhouse gases, ozone depleting substance dependent equipment and greenhouse gas dependent equipment shall ensure that such products are clearly labeled and packaged to national and international standards.

(2) The labels must state clearly, among other things, chemical formulae, chemical name, safety measures, energy performance levels, names and addresses of manufacturers, instructions for use and disposal, United Nations number, Chemical Abstract Service numbers and any other relevant information such as “ozone friendly”, “climate friendly”, “ global warming”, or “ozone depleting”.

(3) All imported ozone depleting substances and greenhouse gases to be used in refrigeration and air conditioning applications shall be accompanied at the point of entry by a proof of origin signed by a senior member of the producing company specifying the level of purity of the substances, name and contact details of the company of origin.

(4) Pursuant to subsections (1), (2), and (3) it shall be the duty of an officer at all ports of entry, subject to any direction given to him or her by the Secretary responsible for ozone layer protection to ensure that all consignments are marked clearly, recording—

- (a) the name, identity and quantity of imported or exported ozone depleting substances or greenhouse gases; and
- (b) details concerning contact address, labels and the packaging; and
- (c) any other particulars that may be required by the Ozone Office.

(5) The officer shall not allow the importation of a substance which has been phased out or an appliance containing a phased out substance and any appliance that fails to meet the energy performance

levels stated in the National Standard (SAZ/IEC:62552) on minimum energy performance of refrigeration and air conditioning appliances.

(6) Any person who does not comply with the requirements of subsections (1), (2) and (3) shall be guilty of an offence and liable to a fine not exceeding level 11 or imprisonment for a period not exceeding six months or both such fine and such imprisonment

Repeal

14. The Environmental Management (Prohibition and Control of Ozone Depleting Substances and Ozone Depleting Substance Dependant Equipment) Regulations, 2016, published in Statutory Instrument 131 of 2016, is hereby repealed.

FIRST SCHEDULE (Sections 5 and 8)

FORMS

Form Type	Purpose:
Form AP1	Application for a licence to import or transit:
Form AP2	Application to amend licence:
Form AP3	Application for replacement of a licence:
Form AP4	Notice of Intention to dispose of ozone depleting substances or equipment:

FORM AP1

AP1

SERIAL No

APPLICATION FOR A LICENCE TO IMPORT/EXPORT OR TRANSIT ODS, GHG, ODS DEPENDENT EQUIPMENT OR GHG DEPENDENT EQUIPMENT

Issued in accordance with the Environmental Management (Control of Ozone Depleting Substances, Greenhouse Gases, Ozone Depleting Substance and Greenhouse Gas Dependent Equipment) Regulations, 2023

Explanatory Notes

- This Form must be completed by the applicant online through the Government E-Services Portal.
- Where an ID number of an individual is required by this Form to be given the individual may give his or her National Registration Number, Driver’s Licence Number or Passport Number and must indicate beside the number which of the foregoing he or she is using.
- Applicants are warned that the deliberate provision of any false information in or together with this application is a criminal offence.

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Name of Organisation/Individual:

Physical Address:

Postal Address:

Responsible Person:

Address (if different from above):

Telephone:

E-mail:

1. State the—

- (a) Ozone Depleting Substance (ODS); or
- (b) Green House Gas (GHG); or
- (c) Greenhouse Gas dependent equipment; or
- (d) Ozone Depleting Substance dependent equipment;

imported during the previous year and their quantities and as well as quantities intended to be imported as outlined in the table below.

ODS or GHG or GHG dependent equipment or ODS dependent equipment	Product HS code (6 digit tariff code)	Quantities imported previous year	Quantities intended to be imported in the current year (Projection for the whole year)	State the intended uses (if for resale, indicate to which organisations/ individuals)

Note: When requested to submit hard copies, upon completion of this form in duplicate, the forms shall be submitted to:

The Permanent Secretary, Ministry of Environment, Climate, Tourism and Hospitality Industry, Private Bag 7753, Causeway, Harare, Eleventh Floor, Kaguvi Building, corner Simon Vengai Muzenda Street and Ahmed Ben Bella Avenue, Harare.

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2. I hereby apply to amend my licence that was issued on.....being licence number
3. The following are the amendments I seek:
.....
.....
.....
4. Date:.....
5. Signature of applicant:

FOR OFFICIAL USE OF LICENSING AUTHORITY ONLY

Where amendment sought is not material:

Name of Officer

Designation

Signature:.....

Date & Stamp

Where amendment sought is material:

1. Receipt No.:
2. Application No.:.....

NOTIFICATION PARTICULARS

The decision on this application was notified to the applicant:

ON..... SIGNED

FORM AP3

AP3

Serial No.

APPLICATION FOR REPLACEMENT LICENCE

Issued in accordance with the Environmental Management (Control of Ozone Depleting Substances, Greenhouse Gases, Ozone Depleting Substance and Greenhouse Gas Dependent Equipment) Regulations, 2023

APPLICANT DETAILS

1. Name of person making this application:
.....

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2. I hereby apply to amend my licence that was issued onbeing licence number
3. I declare that to the best of my knowledge and belief that licence has been lost/destroyed (*delete inapplicable*)

NB: *If the license was lost and is subsequently found the licensee must immediately return a copy of that licence to the licensing authority. Failure to do so is a criminal offence.*

4. Date:.....
5. Signature of applicant:

FOR OFFICIAL USE OF LICENSING AUTHORITY ONLY

Name of Officer

Designation

Signature:.....

Date & Stamp

NOTIFICATION PARTICULARS

The decision on this application was notified to the applicant:

ON..... SIGNED

FORM AP4

AP4

Serial No.

NOTICE OF INTENTION TO DISPOSE OF OZONE DEPLETING SUBSTANCE/GHG OR RELEVANT DEPENDANT EQUIPMENT

Issued in accordance with the Environmental Management (Control of Ozone Depleting Substances, Greenhouse Gases, Ozone Depleting Substance and Greenhouse Gas Dependent Equipment) Regulations, 2023

NOTIFICATION DETAILS

1. Name of person making this notice and I.D Number:
.....
2. Physical Address and contact details of person notifying:
.....
.....

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Number	Substance	Chemical Name and Formula	Ozone Depleting Potential	HS Code 2022
6	R-113	Trichlorotrifluoroethane $C_2F_3Cl_3$	0.8	2903.77
7	R-114	Dichlorotetrafluoroethane $C_2F_4Cl_2$	1.0	2903.77
8	R-115	Chloropentafluoroethane $CClF_2CF_3$	0.6	2903.77
9	R-211	Heptachlorofluoropropane C_3FCl_7	1.0	2903.77
10	R-212	Hexachlorodifluoropropane $C_3F_2Cl_6$	1.0	2903.77
11	R-213	Pentachlorotrifluoropropane $C_3F_3Cl_5$	1.0	2903.77
12	R-214	Tetrachlorotetrafluoropropane $C_3F_4Cl_4$	1.0	2903.77
13	R-215	Trichloropentafluoropropane $C_3F_5Cl_3$	1.0	2903.77
14	R-216	Dichlorohexafluoropropane $C_3F_6Cl_2$	1.0	2903.77
15	R-217	Chloroheptafluoropropane C_3F_7Cl	1.0	2903.77
16	R-12B1	Bromochlorodifluoromethane CF_2BrCl	3.0	2903.76
17	R-13B1	Bromotrifluoromethane CF_3Br	10.0	2903.76
	R-14B2	Dibromotetrafluoroethane $C_2F_4Br_2$	6.0	2903.76
18		Carbon tetrachloride CCl_4	1.1	2903.14
19	R-141b	1,1-dichloro-1-flouroethane	0.11	2903.73
20		Methyl Bromide	0.6	2903.61
21		1,1,1-trichloroethane $C_2H_3Cl_3$ (Methyl chloroform)	0.1	2903.19
	R-400	(CFC-12/CFC-114)	-	3827.39
	R-500	CFC-12/HFC-152a	-	3827.39
	R-501	HCFC-22/CFC-12	-	3827.39
	R-502	HCFC-22/CFC-115	-	3827.39
	R-503	HFC-23/CFC-13	-	3827.39
	R-504	HFC-23/CFC-115	-	3827.39
	R-505	CFC-12/HCFC-31	-	3827.39
	R-506	HCFC-31/CFC-114	-	3827.39

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THIRD SCHEDULE (Section 3)

LIST OF CONTROLLED SUBSTANCES: OZONE DEPLETING SUBSTANCES

Number	Ashrae number	Substance/components	Ozone Depleting Potential	HS Code 2022
1	R-21	Dichlorofluoromethane CHFC1 ₂	0.04	2903.79
2	R-22	Chlorodifluoromethane CHF ₂ Cl	0.055	2903.71
3	R-31	Monochlorofluoromethane CH ₂ FC1	0.02	2903.79
4	R-121	Tetrachlorofluoroethane C ₂ HFC1 ₄	0.01-0.04	2903.79
5	R-122	Trichlorotrifluoroethane C ₂ HF ₂ Cl ₃	0.02-0.08	2903.72
6	R-123	2,2-dichloro-1,1,1-trifluoroethane C ₂ HF ₃ Cl ₂	0.02-0.08	2903.72
7	R-123a	Dichlorotrifluoroethane CHClFCCIF ₂	0.02	2903.72
8	R-124	2-chloro-1,1,1-tetrafluoroethane C ₂ ClH ₂ F ₃	0.02-0.04	2903.79
9	R-124a	Chlorotetrafluoroethane CHFCLCF3	0.022	2903.79
10	R-131	Trichlorofluoroethane C ₂ H ₂ FC1 ₃	0.007-0.05	2903.79
11	R-132	Dichlorodifluoroethane C ₂ H ₂ F ₂ Cl ₂	0.008-0.05	2903.79
12	R-133	Chlorodifluoroethane C ₂ H ₂ F ₃ Cl	0.02-0.06	2903.74
13	R-141	Dichlorofluoroethane C ₂ H ₃ FC1 ₂	0.005-0.07	2903.73
15	R-142	Chlorodifluoroethane C ₂ H ₂ F ₂ Cl	0.008-0.07	2903.74
16	R-142b	1-chloro-1,1-difluoroethane CH ₃ CF ₂ Cl	0.065	2903.74
17	R-151	Chlorofluoroethane C ₂ H ₄ FC1	0.003-0.005	2903.79
18	R-221	Hexachlorofluoropropane C ₃ HFC1 ₆	0.015-0.07	2903.79

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Number	Ashrae number	Substance/components	Ozone Depleting Potential	HS Code 2022
19	R-222	Pentachlorodifluoropropane $C_3HF_2Cl_5$	0.01-0.09	2903.79
20	R-223	Tetrachlorotrifluoropropane $C_3HF_3Cl_4$	0.01-0.08	2903.79
21	R-224	Trichlorotetrafluoropropane $C_3HF_4Cl_3$	0.010-0.09	2903.79
22	R-225	Dichloropentafluoropropane $C_3HF_5Cl_2$	0.02-0.07	2903.75
23	R-225ca	1,1-dichloro-2,2,3,3,3-pentafluoropropane $CF_3CF_2CHCl_2$	0.025	2903.75
24	R-225cb	1,3-dichloro-2,2,3,3,3-pentafluoropropane CF_2ClCF_2CHClF	0.033	2903.75
25	R-226	Chlorohexafluoropropane C_3HF_6Cl	0.02-0.10	2903.79
26	R-231	Pentachlorofluoropentanes $C_5H_2FCl_5$	0.05-0.09	2903.79
27	R-232	Tetrachlorodifluoropropane $C_3H_2FCl_5$	0.008-0.10	2903.79
28	R-233	Trichlorotrifluoropropane $C_3H_2F_3Cl$	0.007-0.23	2903.79
29	R-234	Dichlorotetrafluoropropane $C_3H_2F_4Cl$	0.01-0.28	2903.79
30	R-235	Chloropentafluoropropane $C_3H_2F_5Cl$	0.03-0.52	2903.79
31	R-241	Tetrachlorofluoropropane $C_3H_3FCl_4$	0.004-0.09	2903.79
32	R-242	Trichlorodifluoropropane $C_3H_3F_2Cl_3$	0.005-0.13	2903.79
33	R-243	Dichlorotrifluoropropane $C_3H_3F_3Cl_2$	0.007-0.12	2903.79
34	R-244	Chlorotetrafluoropropane $C_3H_3F_4Cl$	0.009-0.14	2903.79
35	R-251	Trichlorotetrafluoropropane $C_3HF_4Cl_3$	0.001-0.01	2903.79
36	R-252	Dichlorodifluoropropane $C_3H_4F_2Cl_2$	0.005-0.004	2903.79
37	R-253	Chlorotrifluoropropane $C_3H_4F_3Cl$	0.003-0.03	2903.79

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Number	Ashrae number	Substance/components	Ozone Depleting Potential	HS Code 2022
38	R-261	Dichlorofluoropropane $C_3H_5FCl_2$	0.002-0.02	2903.79
39	R-262	Chlorodifluoropropane $C_3H_5F_2Cl$	0.002-0.02	2903.79
40	R-271	Chlorofluoropropane C_3H_6FCl	0.001-0.03	2903.79
41	R-21B2	Dibromofluoromethane $CHFBr_2$	1.0	2903.79
42	R-22B1	Bromodifluoromethane CHF_2Br	0.74	2903.79
43		Bromofluoromethane CH_2FBr	0.73	2903.79
44		Tetrabromofluoroethane C_2HFBr_4	0.3-0.8	2903.79
45		Tribromodifluoroethane $C_2HF_2Br_3$	0.5-1.8	2903.79
46		Dibromotrifluoroethane $C_2HF_3Br_2$	0.4-1.6	2903.79
47		Bromotetrafluoroethane C_2HF_4Br	0.7-1.2	2903.79
48		Tribromofluoroethane $C_2H_2FBr_3$	0.1-1.1	2903.79
49		Dibromodifluoroethane $C_2H_2F_2Br_2$	0.2-1.5	2903.79
50		Bromotrifluoroethane $C_2H_2F_3Br$	0.7-1.6	2903.79
51		Dibromofluoroethane $C_2H_3FBr_2$	0.1-1.7	2903.79
52		Bromodifluoroethane $C_2H_3F_2Br$	0.2-1.1	2903.79
53		1-Bromo-2-fluoroethane C_2H_4FBr	0.07-0.1	2903.79
54		Hexabromofluoropropane C_3HFBr_6	0.3-1.5	2903.79
55		Pentabromodifluoropropane $C_3HF_2Br_5$	0.2-1.9	2903.79
56		Tetrabromotrifluoropropane $C_3HF_3Br_4$	0.3-1.8	2903.79

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Number	Ashrae number	Substance/components	Ozone Depleting Potential	HS Code 2022
57		Tribromotetrafluoropropane $C_3HF_4Br_3$	0.5-2.2	2903.79
58		Dibromopentafluoropropane $C_3HF_5Br_2$	0.9-2.0	2903.79
59		Bromohexafluoropropane C_3HF_6Br	0.7-3.3	2903.79
60		Pentabromofluoropropane $C_3H_2FBr_5$	0.1-1.9	2903.79
61		Tetrabromodifluoromethane $C_3H_2F_2Br_4$	0.2-2.1	2903.79
62		Tribromotrifluoropropane $C_3H_2F_3Br_3$	0.2-5.6	2903.79
63		Dibromotetrafluoropropane $C_3H_2F_4Br_2$	0.3-7.5	2903.79
64		Bromopentafluoropropane $C_3H_2F_5Br$	0.9-1.4	2903.79
65		Tetrabromofluoropropane $C_3H_3FBr_4$	0.08-1.9	2903.79
66		Tribromodifluoropropane $C_3H_3F_2Br_3$	0.1-3.1	2903.79
67		Dibromotrifluoropropane $C_3H_3F_3Br_2$	0.1-2.5	2903.79
68		Bromotetrafluoropropane $C_3H_3F_4Br$	0.3-4.4	2903.79
69		Tribromofluoropropane $C_3H_4FBr_3$	0.03-0.3	2903.79
70		Dibromodifluoropropane $C_3H_4F_2Br_2$	0.1-1.0	2903.79
71		Bromotrifluoropropane $C_3H_4F_3Br$	0.07- 0.8	2903.79
72		Dibromofluoropropane $C_3H_5FBr_2$	0.04-0.4	2903.79
73		Bromodifluoropropane $C_3H_5F_2Br$	0.07-0.8	2903.79
74		Bromofluoropropane C_3H_6FBr	0.02-0.7	2903.79
75	-	Bromochloromethane CH_2BrCl	0.12	2903.79

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Number	Ashrae number	Substance/components	Ozone Depleting Potential	HS Code 2022
	Ashrae#	Components of the Blends	Common trade names	Hs code 2022
76	R-401a	HCFC-22 HFC-152a HCFC-124	MP 39, Suva MP 39	3827.31
79	R-401b	HCFC-22 HFC-152a HCFC-124	MP 66, Suva MP 66	3827.31
80	R-401c	HCFC-22 HFC-152a HCFC-124	MP 52, Suva MP 52	3827.31
81	R-402a	HFC-125 HC-290 HCFC-22	HP 80, Arcton 402a, Suva HP 80, Genetron HP 80	3827.32
82	R-402b	HFC-125 HC-290 HCFC-22	HP 81, Arcton 402b, Suva HP 81	3827.32
83	R-403a	HC-290 HCFC-22 FC-218	69S, ISCEON 69 S	3827.32
84	R-403b	HCFC-22 Propane PFC-218	-	3827.32
85	R-405a	HCFC-22 HFC-152a HCFC-142b C-318	GU 2015	3827.39
86	R-406a	HCFC-22 HC-600a HCFC-142b	GHG, GHG-12, Solkane 406a	3827.39
87	R-408a	HFC-125 HFC-143a HCFC-22	FX55, Arcton 408a, Forane 408a, Forane FX 10, Genetron 408a	3827.39
88	R-409a	HCFC-22 HCFC-124 HCFC-142b	FX56, Forane 409a, Forane FX 56, Forane FX 57, Genetron 409°	3827.39
89	R-409b	HCFC-22 HCFC-124 HCFC-142b	FX 57, Forane FX 27	3827.39
90	R-411a	HC-1270 HCFC-22 HFC-152a	G 2018A	3827.39

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Number	Ashrae number	Substance/components	Ozone Depleting Potential	HS Code 2022
91	R-411b	HC-1270 HCFC-22 HFC-152a	G 2018B	3827.39
92	R-412a	HCFC-22 FC-218 HCFC-142b	TP5R, Arcton 412a, Arcton TP5R	3827.39
93	R-414a	HCFC-22 HCFC-124 HCFC142b HC-600a	GHG-X4	3827.39
93	R-414b	HCFC-22 HCFC-124; HCFC-142b HC-600a	Hotshot	3827.39
101	R-507	HCFC-124 HFC-143a	AZ-50, 507	3827.39
102	R-509	HCFC-22 FC-218	Arcton 509, Arcton TP5R2	3827.39
103	-	HFC-25 HCFC-22	FX-20	3827.39
104	-	HCFC-22 HCFC-142b	FX-10	3827.39
105	-	HCFC-22; HCFC-124 HC-600a	Di36, Merofex DI 36	3827.39
106	-	HFC-23; HFC-32 HCFC-124	Daikin Blend	3827.39
107	-	HCFC-124; HFC-134a HC-600a	FRIGC	3827.39
108	-	HCFC-142b HFC-134a Lubricant	Free Zone	3827.39
109	-	HCFC-22 HCFC-142b HC-600a	GHG-HP	3827.39
110	-	HCFC-22 HCFC-142b; HFC-227ca HC-600a	GHG-X5	3827.39
111	-	HCFC-22 HFC-152a; HCFC-23	NARM-502	3827.39
112	-	HCFC-22 HCFC-123; HCFC-124; C ₁₀ H ₁₆	NAF-S-III	3827.39
113	-	HFC-134a; HCFC-123 HCFC-124; HC	NAF-P-III	3827.39
114	-	HCFC-22; HFC-23; HFC- 152a	NARM-502	3827.39

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FOURTH SCHEDULE (Section 4)

LIST OF CONTROLLED SUBSTANCES: GREENHOUSE GASES

Number	Ashrae number	Chemical name/components	Global Warming Potential (100yr)	HS Codes 2022
1	R-134a	1,1,1,2-tetrafluoroethane	1430	2903.45
2	R-134	1,1,2,2-tetrafluoroethane	1100	2903.45
3	R-152a	1,1-Difluoroethane	124	2903.43
4	R-152	1,2-Difluoroethane	53	2903.43
5	R-125	1,1,2,2,2-Pentafluoroethane	3500	2903.44
6	R-143a	1,1,1-trifluoroethane	4470	2903.44
7	R-161	2-fluoroethane	12	2903.49
8	R-32	Difluoromethane	704	2903.42
9	R-227ea	1,1,1,2,3,3,3-heptafluoropropane	3200	2903.46
10	R-236cb	1,2,2,3,3,3-hexafluoropropane	1340	2903.46
11	R-236ea	1,1,2,3,3,3-hexafluoropropane	1370	2903.46
12	R-236fa	1,1,1,3,3,3-hexafluoropropane	9810	2903.46
13	R-365mfc	1,1,1,3,3-pentafluorobutane	794	2903.48
14	R-23	Trifluoromethane	14800	2903.49
15	R-41	Fluoromethane	92	2903.43
16	R-1234yf	2,3,3,3-tetrafluoro-1-propene	<1	2903.51
17	R-1234ze	Trans-1,333-tetrafluoro-1-propene	<1	2903.51
18	R-245fa	1,1,1,3,3-pentafluoropropane	1030	2903.47
19	R-245ca	1,2,2,3,3-pentafluoropropane	693	2903.47
20	R-43-10mee	1,1,1,2,2,3,4,5,5,5-decafluoropentane	1,640	2903.48
21	R-404A	R-143a/R-125/R-134a	4200	3827.61
22	R-507A	R-143a/R-125	3985	3827.61
23	R-407A	R-32/R-125/R-134a	1700	3827.63
24	R-407B	R-32/R-125/R-134a	1700	3827.62
25	R-407C	R-32/R-125/R-134a	1700	3827.64
26	R-410A	R-32/R-125	2100	3827.63
27	R-508A	R-23/R-116	12543	3827.69
28	R-508B	R-23/R116		3827.69
29	R-744	Carbon dioxide (refrigerant grade)	1	2811.21
30	R-600	Butane	4	2901.10
31	R-600a	Iso-butane	4	2901.10
32	R-290	Propane	3	2711.12
33	R-1270	Propene (Propylene)	2	2711.14

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FIFTH SCHEDULE (*Section 5*)

LIST OF CONTROLLED ODS AND GHG DEPENDENT EQUIPMENT

#	Description of Controlled Goods	HS Codes
1	Refrigerated automobiles	8704
2	Air conditioning units, dehumidifiers	8415.10
3	Refrigerators, freezers, chillers, ice making machines, water/ beverage dispensers, water coolers, ice cream makers, underbars and other refrigeration and freezing equipment	8418
4	Dry cleaning machines, industrial washing machines	8451

SIXTH SCHEDULE (*Sections 5, 8 and 9*)

FEES (US)

Application fee	\$25
Application for amendment of a licence	\$25
Application for lost or destroyed licence	\$25
Registration fee	\$25
Copies or extracts from the register	\$1 per page

Note: The fees may be payable in Zimbabwe local currency at the prevailing market rate.

