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**Sub-Committee of Experts
on the Globally Harmonized System of Classification
and Labelling of Chemical
Sixth session, 10-12 December 2003
Agenda item 5(a)**

INTERNATIONAL COOPERATION

**Updated information on World Customs Organization Customs Codes for pure ozone-depleting
substances and mixtures of ozone-depleting substances**

(Transmitted by the ODS secretariat)



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FIFTEENTH MEETING OF THE PARTIES TO
THE MONTREAL PROTOCOL ON SUBSTANCES
THAT DEplete THE OZONE LAYER
Nairobi, 10-14 November 2003
Item 3 (i) of the provisional agenda
for the preparatory segment*

**Update on the classification and labelling
of controlled substances under the Montreal
Protocol**

**UPDATED INFORMATION ON WORLD CUSTOMS ORGANIZATION CUSTOMS CODES FOR
PURE OZONE-DEPLETING SUBSTANCES AND MIXTURES OF OZONE-DEPLETING
SUBSTANCES**

Note by the Secretariat

1. Pursuant to decision XI/26, taken by the Parties at their Eleventh Meeting, the Expert Group on Customs Codes prepared a proposal to the World Customs Organization (WCO) to allocate specific codes under the Harmonized System (HS) for mixtures containing ozone-depleting substances. That proposal was considered by WCO, and the WCO Council, at its 101st/102nd session on 28 June 2003, approved a revised recommendation, taking into account the HS codes allocated to pure substances controlled by the Montreal Protocol as well as to mixtures containing ozone-depleting substances and some of their substitutes (namely, HFCs and PFCs).
2. At its twenty-eighth session, on 18 September 2003, the Harmonized System Review Subcommittee recommended further amendments to the HS codes to be allocated to mixtures containing ozone-depleting substances and some of their substitutes. Those recommendations will be considered for approval by the WCO Council in 2004.
3. The HS codes now applicable to pure ozone-depleting substance are presented in table 1 below. The HS codes now applicable to mixtures containing ozone-depleting substances and some of their substitutes are presented in table 2 below. Also presented in table 2 are the amendments recommended by the Harmonized System Review Subcommittee (in italics).

* UNEP/OzL.Pro.15/1.
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Table 1

Identification in the Harmonized System (HS) of pure substances controlled under the Montreal Protocol (ODS), as at 12 October 2003

ODS group	Substance(s)	UN		Formula	HS heading/code**	HS product description	HS international classification	Comments
		number***						
A/I, A/II, B/I, B/II, B/III, C/I, C/II, C/III, E/I	Chlorofluorocarbons (CFCs) and halons				29-03	Halogenated derivatives of hydrocarbons		
					--2903.40	Halogenated derivatives of acyclic hydrocarbons containing 2 or more different halogens	HS amendment 26.6.93*	
		A/I	CFC-11	1022	CFCl ₃	--2903.41	Trichlorofluoromethane	HS amendment 26.6.93*
		A/I	CFC-12	1028	CF ₂ Cl ₂	--2903.42	Dichlorodifluoromethane	HS amendment 26.6.93*
	CFC-113	--	C ₂ F ₃ Cl ₃	--2903.43	Trichlorotrifluoroethanes	HS amendment 26.6.93*		
	CFCs 114 and 115	1958 and 1020	C ₂ F ₄ Cl ₂ and C ₂ F ₅ Cl	--2903.44	Dichlorotetrafluoroethanes and Chloropentafluoroethane	HS amendment 26.6.93*		
A/II	Halons 1211, 1301 and 2402	--	CF ₃ BrCl, CF ₃ Br and C ₂ F ₄ Br ₂	--2903.46	Bromochlorodifluoromethane, Bromotrifluoromethane and Dibromotetrafluoroethanes	HS amendment 26.6.93*		
B/I	Other fully halogenated CFCs	--		--2903.45	Other derivatives perhalogenated only with fluorine and chlorine	HS amendment 20.6.93*		
	CFC-13	1022	CF ₃ Cl	---2903.45	Chlorotrifluoromethane	HS recommendation 28.6.2003		
	CFC-111	--	C ₃ FCl ₅	---2903.45	Pentachlorofluoroethane	HS recommendation 28.6.2003		
	CFC-112	--	C ₂ F ₂ Cl ₄	---2903.45	Tetrachlorodifluoroethanes	HS recommendation 28.6.2003		
	CFC-211	--	C ₃ FCl ₇	---2903.45	Heptachlorofluoropropanes	HS recommendation 28.6.2003		

ODS group	Substance(s)	UN		Formula	HS heading/code**	HS product description	Comments
		number***					
B/II	CFC-212	--		C ₃ F ₂ Cl ₆	---2903.45	Hexachlorodifluoropropanes	HS recommendation 28.6.2003
	CFC-213	--		C ₃ F ₃ Cl ₅	---2903.45	Pentachlorotrifluoropropanes	HS recommendation 28.6.2003
	CFC-214	--		C ₃ F ₄ Cl ₄	---2903.45	Tetrachlorotetrafluoropropanes	HS recommendation 28.6.2003
	CFC-215	--		C ₃ F ₅ Cl ₃	---2903.45	Trichloropentafluoropropanes	HS recommendation 28.6.2003
	CFC-216	--		C ₃ F ₆ Cl ₂	---2903.45	Dichlorohexafluoropropanes	HS recommendation 28.6.2003
	CFC-217	--		C ₃ F ₇ Cl	---2903.45	Chloroheptafluoropropanes	HS recommendation 28.6.2003
					-2903.10	Saturated chorinated derivatives of acyclic hydrocarbons	HS international classification
B/III	Carbon tetrachloride	1846		CCl ₄	--2903.14	Carbon tetrachloride	HS international classification
	Methyl chloroform	2831		C ₂ H ₃ Cl ₃	---2903.19	1,1,1-Trichloroethane (Methyl chloroform)	HS recommendation 28.6.2003
C/I and C/II	HCFCs and HBFCS				--2903.49	Other	HS amendment 26.6.93*
C/I	Hydrochlorofluorocarbons (HCFCs)				---2903.49	Other derivatives of methane, ethane or propane, halogenated only with fluorine and chlorine	HS recommendation 28.6.2003
	HCFC-22	1018		CHF ₂ Cl	---2903.49	Chlorodifluoromethane	HS recommendation 28.6.2003
	HCFC-123	--		CHCl ₂ F ₃	---2903.49	Dichlorotrifluoroethanes	HS recommendation 28.6.2003
	HCFC-124	1021		CH ₂ ClCF ₃	---2903.49	Chlorotetrafluoroethanes	HS recommendation 28.6.2003
	HCFCs 141/141b	--		CH ₃ CFCl ₂	---2903.49	Dichlorofluoroethanes	HS recommendation 28.6.2003
	HCFCs 142/142b	2517		CH ₃ CF ₂ Cl	---2903.49	Chlorodifluoroethanes	HS recommendation 28.6.2003
	HCFCs including 225,	--		C ₃ HF ₅ Cl ₂	---2903.49	Dichloropentafluoropropanes	HS recommendation 28.6.2003
	225ca,			CF ₃ CF ₂ CHCl ₂ ,			
	225cb			CF ₂ ClF ₂ CHClF			

ODS group	Substance(s)	UN		Formula	HS heading/code**	HS product description	Comments
		number***					
C/II	HCFCs 21,	1029		CHFCl ₂	---2903.49	Other derivatives of methane, ethane or propane halogenated only with fluorine and chlorine	HS recommendation 28.6.2003
	31	--		CH ₂ FCl ₂ s			
	and 133	1983		and C ₂ H ₂ F ₃ Cl			
C/II	Hydrobromofluoro-carbons (HBFCs)				---2903.49	Other derivatives of methane, ethane or propane halogenated only with fluorine and bromine	HS recommendation 28.6.2003
C/III	Bromochloro-methane	1887		CH ₂ BrCl	-2903.40	Halogenated derivatives of hydrocarbons containing two or more different halogenes	HS amendment 26.6.1993*
E/I					-2903.30	Fluorinated, brominated or iodinated derivatives of acyclic hydrocarbons	HS international classification
	Methyl bromide	1062		CH ₃ Br	---2903.30	Bromomethane (methyl bromide)	HS recommendation 28.6.2003

*Entered into force 1.1.96

**Codes that contain one or two dashes are international codes, and are directly applicable. When a code contains three dashes, the national authorities may create their own codes under the cited international code, for each one of the chemicals or group of chemicals listed under the "Substance" and "Formula" column.

***As listed in: UN recommendation on the Transport of Dangerous Goods, 12th Revised Edition, United Nations, New York, 2001 (http://www.unece.org/trans/danger/publi/unrec/12_e.html)

Table II

Identification in the Harmonized System (HS) of mixtures containing substances controlled under the Montreal Protocol (ODS) (as at 27 October 2003)

Type of ODS mixture	Relevant international HS product description	International HS code	recommended new national codes	recommended HS product description for new national codes	ODS group in mixture	ODS(s) contained in mixture	Comments
Pesticides	“Insecticides, rodenticides, fungicides, herbicides, anti-sprouting products and plant-growth regulators, disinfectants and similar products, put up in forms or packings for retail sale or as preparations or articles (for example, sulphur- treated bands, wicks and candles, and fly-paper)”	38-08:					
		3808.10 (insecticides)	---3808.10	<i>Containing bromomethane (methyl bromide) or bromochloromethane</i>	C/III or E/I	Bromochloromethane and methyl bromide	HS recommendation 28 June 2003
		3808.20 (fungicides)	---3808.20	<i>Containing bromomethane (methyl bromide) or bromochloromethane</i>	C/III or E/I	Bromochloromethane and methyl bromide	
380830 (herbicides)	---3808.30	<i>Containing bromomethane (methyl bromide) or bromochloromethane</i>	C/III or E/I	Bromochloromethane and methyl bromide			
3808.40 (disinfectants)	---3808.40	<i>Containing bromomethane (methyl bromide) or bromochloromethane</i>	C/III or E/I	Bromochloromethane and methyl bromide			
3808.90 (other)	---3808.90	<i>Containing bromomethane (methyl bromide) or bromochloromethane</i>	C/III or E/I	Bromochloromethane and methyl bromide			

Type of ODS mixture	Relevant international HS product description	International HS code	recommended new national codes	recommended HS product description for new national codes	ODS group containing in mixture	ODS(s) contained in mixture	Comments
Fire extinguishing agents	“Preparations and charges for fire-extinguishers; charged fire-extinguishing grenades”	38-13	---3813.00	“Containing bromochloro-difluoromethane, bromo-trifluoromethane or dibromo-tetrafluoroethane”	A/II	Halon-1211, halon-1301 or halon-2402	HS recommendation 28 June 2003
			---3813.00	“Containing methane, ethane or propane hydrochloro-fluorocarbons (HCFCs)”	C/I	HCFCs	
			---3813.00	“Containing methane, ethane or propane hydrobromo-fluorocarbons (HBFCs)”	C/II	HBFCs	
			---3813.00	“Containing bromochloromethane”	C/III	Bromochloromethane	
Solvents	“Organic composite solvents and thinners, not elsewhere specified or included; prepared paint or varnish removers”	38-14	---3814.00	“Containing methane, ethane or propane chloro-fluorocarbons (CFCs), whether or not containing hydrochloro-fluorocarbons (HCFCs)”	A/I or B/I	CFCs, with or without HCFCs	HS recommendation 28 June 2003
			---3814.00	“Containing carbon tetrachloride, bromochloromethane or 1,1,1-trichloroethane (methyl chloroform)”	B/II, B/III or C/III	Carbon tetrachloride, methyl chloroform or bromochloromethane	
			---3814.00	“Containing methane, ethane or propane hydrochloro-fluorocarbons (HCFCs), but not chloro-fluorocarbons (CFCs)”	C/I	HCFCs but not CFCs	

Type of ODS mixture	Relevant international HS product description	International HS code	recommended new national codes	recommended HS product description for new national codes	ODS group containing in mixture	ODS(s) contained in mixture	Comments
Other ODS mixtures	38-24 (mixtures that are not included in any specified heading, e.g. refrigerants)	38-24 “...; chemical products and preparations of the chemical or allied industries (including those consisting of mixtures of natural products), not elsewhere specified or included”	{-3824.70: Mixtures containing derivatives of acyclic hydrocarbons containing two or more different halogens};		{A/I, A/II, B/II}	{CFCs, halons}	HS amendment 26 June 1993, entered into force 1 January 1996 <i>(See text below on recommendation for new international codes under 3824.70)</i>
		--3824.71		“Containing acyclic hydrocarbons perhalogenated only with fluorine and chlorine (CFCs)”	A/I or B/I	CFCs	
		--3824.79		“Other”	A/II	Halon 1211, 1301 and 2402	
Other ODS mixtures	38-24 (mixtures that are not included in any specified heading, e.g. refrigerants)	38-24 “...; chemical products and preparations of the chemical or allied industries (including those consisting of mixtures of natural products), not elsewhere specified or included”	---3824.90	“Containing carbon tetra-chloride, bromochloro-methane or 1,1,1-trichloro-ethane (methyl chloroform)”	B/II, B/III or C/III	Carbon tetrachloride, methyl chloroform or bromochloromethane	HS recommendation 28 June 2003
			---3824.90	“Containing methane, ethane or propane hydrochloro-fluorocarbons (HCFCs)”	C/I	HCFCs	
			---3824.90	“Containing methane, ethane or propane hydrobromo-fluorocarbons (HBFCs)”	C/II	HBFCs	
			---3824.90	“Containing bromomethane (methyl bromide)”	E/I	Methyl bromide	

Type of ODS mixture	Relevant international HS product description	International HS code	recommended new national codes	recommended HS product description for new national codes	ODS group containing in mixture	ODS(s) contained in mixture	Comments
<i>recommendation on new international codes under 3824.70 (to become applicable in connection with future changes of the international HS codes):</i>							
Other ODS mixtures	38-24 "...; chemical products and preparations of the are not included in any specified HS sub-heading, e.g. refrigerants)	38-24 "...; chemical products and preparations of the are not included in any specified HS sub-heading, e.g. refrigerants)					
		<i>{3824.70: Mixtures containing halogenated derivatives of methane, ethane or propane};</i>			<i>{A/I, A/II, B/I, B/II, B/III, C/I, C/II, C/III, E/I};</i>	<i>{CFCS, halons, carbon tetrachloride, methyl chloroform. HCFCs, HBFCs, bromochloromethane, methyl bromide};</i>	<i>Amendment recommended by HS/RSC, at its 28th session, 18 September 2003</i>
		<i>--3824.71: Containing chlorofluorocarbons (CFCS), whether or not containing hydrochloro fluorocarbons (HCFCs), perchlorofluoro-carbons (PFCs) or hydro-fluorocarbons (HFCS)</i>			<i>A/I, B/I</i>	<i>CFCS, with or without HCFCs {, PFCs or HFCS}</i>	
		<i>--3824.72 Containing bromochlorodifluoromethane, bromotrifluoromethane or dibromotetrafluoroethane</i>			<i>A/II</i>	<i>Halon-1211, halon-1301 or halon-2402</i>	
		<i>--3824.73: Containing hydrobromofluorocarbons (HBFCs)</i>			<i>C/II</i>	<i>HBFCs</i>	

Type of ODS mixture	Relevant international HS product description	International HS code	recommended new national codes	recommended HS product description for new national codes	ODS group containing in mixture	ODS(s) contained in mixture	Comments
	--3824.74: Containing hydrochlorofluorocarbons (HCFCs), whether or not containing per-fluorocarbons (PFCs) or hydrofluoro-carbons (HFCs), but not chloro-fluorocarbons (CFCs)				<i>C/I</i>	HCFCs, {with or without HFCs or PFCs} but not CFCs	
	--3824.75: Containing carbon tetrachloride				<i>B/II</i>	Carbon tetrachloride	
	--3824.76: Containing 1,1,1-trichloroethane (methyl chloroform)				<i>B/III</i>	Methyl chloroform	
	--3824.77: Containing bromomethane (methyl bromide) or bromochloro-methane				<i>C/III or E/I</i>	Bromochloromethane or methyl bromide	
PFC or HFC Mixtures	--3824.78: Containing perfluorocarbons (PFCs) or hydrofluorocarbons (HFCs) but not CFCs nor HCFCs				-	Mixtures containing PFCs or HFCs but not CFCs or HCFCs	Amendment recommended by HS/RSC, at its 28 th session, 18 September 2003