



Overview of Regulation (EC) No 2037/2000

Brussels, 3 April 2006

Screening: Chapter 27 Environment – Ozone Layer Protection

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Regulation (EC) No 2037/2000

- **Replaces Reg. (EC) No 3093/94**
 - **Directly applicable in all Member States**
 - **Applied from 1 October 2000**
 - **Amending regulations:**
 - **Exports of MDIs and medical drug pumps**
 - **1999 reference year for HCFCs**
 - **Halons – controls on exports and products**
 - **BCM – placed in body of regulation**
 - **Annex VI (processing agent)**
 - **Commission Decisions amending Regulation (EC) No 2037/2000 :**
 - **Annex VII (halon 2402 in new MS), and Annex IV (customs codes)**
 - **Accession Treaty for 10 MS acceding on 1 May 2004 – amendment to Annex III**
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Main Elements

- ◆ Controlled substances
- ◆ Phase out schedules
- ◆ Control of Use and Placing on the market
- ◆ Trade controls
- ◆ Emission control: recovery and leakages
- ◆ Reporting requirements



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Key Substances in Regulation (EC) No 2037/2000



Controlled Substances

- **CFCs, Carbon Tetrachloride**
- **Methyl chloroform**
- **Halons, HBFCs**
- **HCFCs**
- **Methyl bromide**
- **Bromochloromethane (BCM)**



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Phase Out in Regulation (EC) No 2037/2000



Main Controls

Banned use and placing on the market of CFCs + new recovery and destruction requirements

Use for feedstock and certain processing agents still allowed

Banned refilling of refrigeration with CFCs in 2001

Limits on the use of halon for fire fighting on land, air and sea applications

More ambitious phase out of methyl bromide than Montreal Protocol; and capped amount used for QPS



Main Controls (cont) .

Freeze on HCFC production – staged reduction after 2008 and phase out in 2025

Progressive use-ban for HCFCs on most applications

Limited quantity of HCFCs that can be placed each year on the EC market

Ban on exports of HCFCs to a developed Non-Party that has not signed Beijing by Nov 2005

New reporting requirements on exports

New substances listed



Halons

- **Banned filling of non-critical halon fire fighting equipment from 1 Jan 2003**
 - **Mandatory decommissioning of non-critical halon systems by 31 Dec 2003**
 - **Government-designated halon banks**
 - **Restrictions on exports – only for critical uses, and only from official halon banks**
 - **Reporting requirements for halon for critical uses**
 - **Reporting requirements for export of halon products**
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Methyl Bromide

- **Quarantine and pre-shipment (QPS) uses cannot exceed '96–'98 average consumption**
 - **Limit of 607 ODP tonnes for QPS**
 - **Annual reports to Commission from MS on MB used for QPS, and efforts to find alternatives**
 - **Non-QPS banned from 1 January 2005 except for critical uses**
 - **Critical uses strictly limited for those uses where alternatives have yet to be developed**
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HCFCs

• **HCFCs have been useful substitutes for CFCs, in some cases**

• **HCFCs are transitional substances**



HCFC Production Controls

2000 to 2007: Production equal or less than 1997 production in the EC

2008 to 2014: ... 35% of 1997 production

2015 to 2020 : ... 20% of 1997 production

2016 to 2025 : ... 15% of 1997 production

No HCFC production after end 2025



HCFC production controls

tonnes

12000

10000

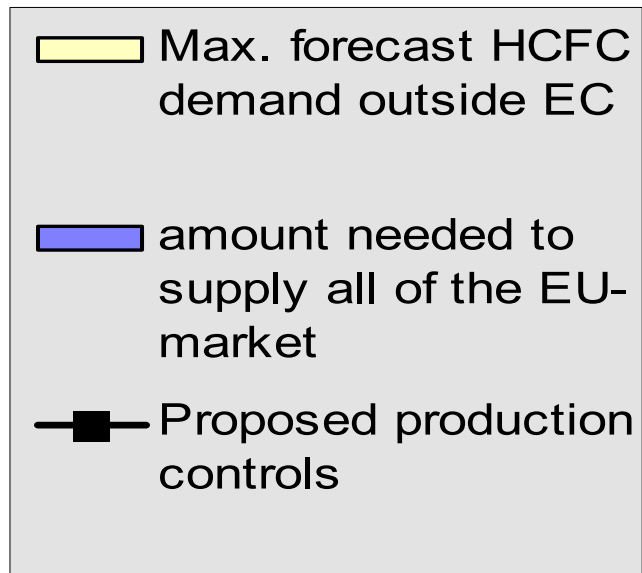
8000

6000

4000

2000

0



2000

2004

2008

2012

2016

2020

2024

2028

2032

2036

2040



HCFC

Consumption Controls

2001 Cap at 2% of CFCs placed on market in 1989 + 1989 placing on the market of HCFCs (6678 ODP-tonnes)

2002 85% of 2000 level (5676 ODP-tonnes)

2003 45% of 2000 level (3005 ODP-tonnes)

2004 to 2007 30% of 2000 level (2003 ODP-tonnes)

2008 to 2009 25% of 2000 level (1669 ODP-tonnes)

2010 – No placing on the market



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- **Import, export and production permitted ... by exemption only !**
 - **Reduction and phase out of ALL ozone depleting substances !**



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Use Bans in Regulation (EC) No 2037/2000



ODS

Use Exemptions

- Production banned except for essential uses (Lab + MDI) and basic domestic needs
 - ODS use banned unless for:
 - Feedstock and process agent use
 - Essential use (lab, MDI)
 - For critical uses of halon listed in Annex VII
 - CFC exemptions possible for military until end 2008 and medical drug pumps to end 2004
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HCFC use ban dates

Refrigeration/AC/Heat Pumps

Refrigeration, AC and Heat pumps in general - HCFCs could have been used until 1 Jan 2001 if equipment produced after 1 Dec 2000

Fixed AC < 100kW 1 July 2002

Reversible AC/Heat Pumps 1 Jan 2004

Existing systems- virgin HCFCs 1 Jan 2010

Existing systems all HCFCs 1 Jan 2015

Review of HCFCs in refrigeration - before end 2008



Use ban dates for HCFCs Foams

- 1 Oct 2000 – banned HCFCs for integral skin foams for use in safety applications and rigid insulation
- 1 Jan 2003 – banned HCFCs for polyurethane in appliances and polyurethane laminates and panels, except for transport
- 1 Jan 2004 – banned HCFCs for all foams, including polyurethane spray and block foams



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Trade Controls in Regulation (EC) No 2037/2000



Trade Controls

- Exports of CFCs and products containing CFCs prohibited
 - Export authorisation necessary for export of controlled substances
 - Exports of CFCs allowed for BDN, critical and essential use of Parties;
 - Feedstock, and halons for critical uses listed in Annex VII
 - HCFC use ban applies to imports of products and equipment containing HCFCs for uses that are already banned in the EU
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**Emission Controls in
Regulation
(EC) No 2037/2000**



Emission Control

- **Importance of recovery of ODS**
 - **Training of personnel in each MS**
 - **Establishment of best practices**
 - **Ban on disposable containers**
 - **Minimise leakage required from MS**
 - **Promotion of standards for leakage control**
 - **Annual inspection for installations with refrigerant charge > 3kg**
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Reporting Requirements in Regulation (EC) No 2037/2000



Reporting Requirements

Producers:

- **Amount produced by application, including exempted uses (Lab, MDI, BDN)**
- **Industrial rationalisation volumes**
- **Recycled, reclaimed and destroyed ODS**
- **Stocks**



Reporting Requirements

Importers and exporters:

- **Total amounts imported/exported (purpose, source, destination)**
- **Amounts imported/exported of recycled/reclaimed substances**
- **Stocks**



Reporting Requirements

Member States:

- **Annual reporting on methyl bromide QPS**
- **Annual reporting on halons for critical uses**
- **Report on minimum qualifications of personnel for recovery and leakage control**
- **Annual report on systems established for recovery**