



# ***4<sup>th</sup> Annual Global Magnesium Industry Climate Protection Workshop – 18<sup>th</sup> May 2008***

## **EU F-Gas policy**

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# EU F-Gas policy

- **Objectives & Scope**
- **Framework**
  - MAC Directive
  - F-Gas Regulation
- **Implementation**



# EU F-Gas policy

## *Objectives and Scope*

- **Key Objectives**

- Reduce emissions of fluorinated GHG covered by KP
- Contribute to achievement of EU Kyoto targets

- **General Scope**

- HFCs, PFCs and SF<sub>6</sub> (covered by Kyoto Protocol)
- Refrigeration/ AC equipment / Heat pumps
- Fire protection systems and extinguishers
- High Voltage Switchgear/equipment containing solvents
- Other (including mobile) products and equipment



# EU F-Gas policy

## *Framework*

### **I. Regulation (EC) No 842/2006 on certain fluorinated greenhouse gases**

- Adopted 17 May 2006 (OJ L 161 dd. 14 June 2006)
- Entry into Force 24 June 2006
- Applicable directly for Member States and Industry

### **II. Directive 2006/40/ EC relating to emissions from air-conditioning systems in motor vehicles**

- Separated to link with/amend EU vehicle type approval legislation
- Adopted 17 May 2006 (OJ L 161 dd. 14 June 2006)
- Transposition to Member State Legislation by 4 January 2008



# Regulation (EC) No 842/2006 on certain fluorinated greenhouse gases

## *Key measures*

### Containment

Operators of stationary refrigeration/ air conditioning/ heat pump equipment/ Fire protection systems

- Preventing leakages
- Check frequently (defined intervals according to charge)
- Repair asap by certified personnel/ company

### Recovery

Operators of stationary refrigeration/ air conditioning/ heat pump equipment/ Fire protection systems & extinguishers/ high voltage switchgear/ solvent equipment

- Collecting and storing F-gases from equipment for the purpose of recycling, reclamation, or destruction
- By certified personnel



# Regulation (EC) No 842/2006 on certain fluorinated greenhouse gases

## *Key measures*

### Reporting

Producers/ importers/ exporters of (>1tonne) F-Gases in/from EU

- Quantities per substance
- Main categories of application
- Quantities recycled/ reclaimed/ destructed

### Labeling

Manufacturers of refrigeration/ air conditioning/ heat pump equipment/ Fire protection systems & extinguishers/ switchgear/ containers

- “contains [F-] gases covered by the Kyoto Protocol”
- “Hermetically sealed system” (if appropriate)
- Chemical (accepted nomenclature) and quantity



# Regulation (EC) No 842/2006 on certain fluorinated greenhouse gases

## *Key measures*

### Placing on the market prohibition [Annex II]

- Non-refillable containers [4/7/2008]
- Footwear [4/7/2006]
- Windows [4/7/2007-2008]
- Tyres [4/7/2007]
- ....

### Use prohibition

- SF<sub>6</sub> for filling tyres [4/7/2007]
- **SF<sub>6</sub> in magnesium die-casting except where <850kg/year [1/1/2008]**



# Regulation (EC) No 842/2006 on certain fluorinated greenhouse gases

## *Key measures*

### Review

- .....
- Assess whether the substitution of SF<sub>6</sub> in sand casting, permanent mould casting and high pressure die casting is technically feasible and revise use ban
- Review 850kg exemption threshold for SF<sub>6</sub> use in magnesium die casting

By 2009/10 - study to be launched in Q3/2008





## EU F-Gas policy

Thank you for your attention

***Further information***

***<http://ec.europa.eu/environment/climat/fluor/>***