

# New EU 'CLP' Regulation

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# Origins of CLP – the GHS

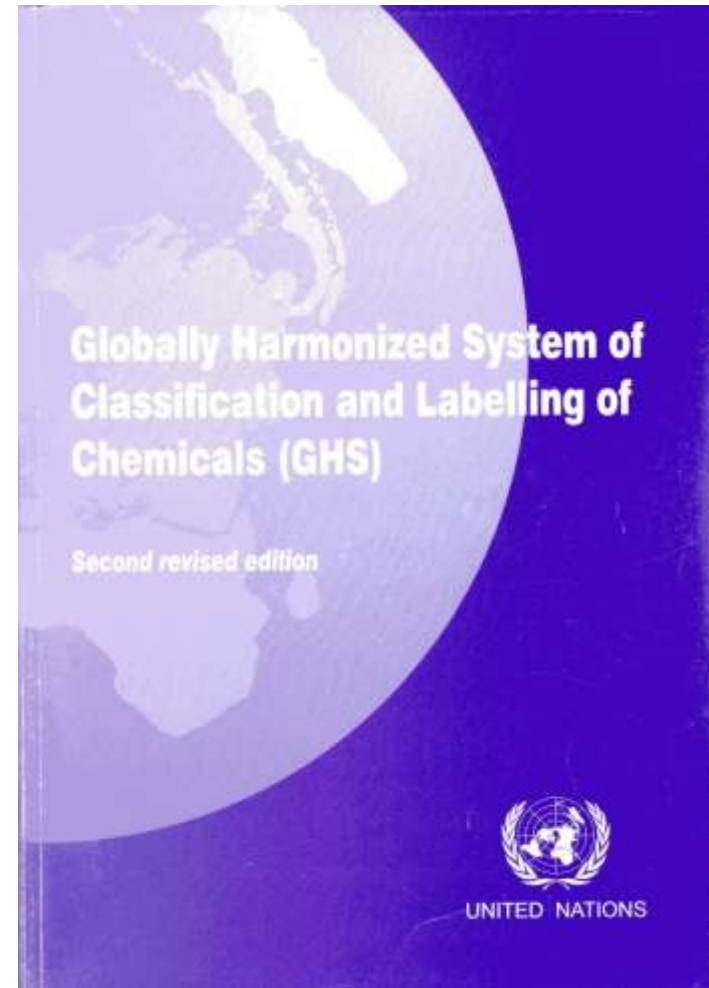
- **1992** – Rio – UN Earth Summit
  - International Mandate ‘Agenda 21’  
*“a globally harmonised hazard classification and labelling system, including safety data sheets and easily understandable symbols”*
- **2002** – Johannesburg – UN World Summit
  - 2008 Deadline for implementation





# The Purple Book

- First published 2003
- UN Subcommittee of Experts on the GHS (UNSCEGHS)
  - Meets every 6 months in Geneva
  - 2 year work programme to update and amend GHS
- 1st revised edition 2005
- 2nd revised edition 2007
- 3rd revised edition 2009





# The Purple Book

- **Hazard classification**
  - 27 hazard classes
    - 16 physical, 10 health, 1 environment
  - 84 hazard categories e.g.:
    - Flammable liquid, categories 1, 2, 3 & 4
    - Carcinogenic, categories 1A, 1B & 2
- **Hazard communication - labels**
  - Pictograms, signal words, hazard statements, precautionary statements
- **Hazard communication - safety data sheets**
  - 16 headings

# GHS in the EU



- New directly acting EC Regulation - ‘**CLP Regulation**’
  - Full title: Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures
  - Entered into force 20<sup>th</sup> January 2009
  - Adopts most (not all) hazard classes and categories of GHS
- Replacing (over transitional period):
  - Dangerous Substances Directive (67/548/EEC)
  - Dangerous Preparations Directive (1999/45/EC)
  - Currently implemented in the UK as the Chemicals Hazard Information and Packaging for supply Regulations (**CHIP**)

# Hazard classification – changes



- Classification criteria given in Annex I of CLP Regulation – verbatim from GHS (where class adopted)
- Similar in many ways to CHIP/DSD system
- But some differences in criteria
  - E.g. acute toxicity (oral)

DSD	T+ R28		T R25			X <sub>n</sub> R22		
LD <sub>50</sub>	≤5	5-25	25-50	50-200	200-300	300-2000	2000-5000	
GHS	Cat 1	Category 2		Category 3		Category 4	Category 5	

# Labelling - changes



## CLP introduces new label elements:

- Pictograms:



- Hazard statements (e.g. ‘extremely flammable gas’) – replace R-phrases
- Precautionary statements (e.g. ‘Do not allow contact with air’) – replace S-phrases
- Signal words (‘danger’, ‘warning’)

# GHS Pictograms



# Harmonised classifications



- CLP adopts EU harmonised list of classifications – these are mandatory for all suppliers
  - List used to be in Annex I of 67/548/EEC and Approved Supply List in UK (ASL) – both now defunct
  - Now it is in Part 3 of Annex VI of CLP Regulation
    - Table 3.1 – CLP classifications
    - Table 3.2 – old DSD classifications
  - Tables available online at
    - <http://ecb.jrc.ec.europa.eu/documents/Classification-Labeling>
    - Follow links to ‘Table 3.1’ and ‘Table 3.2’

# Notification to inventory

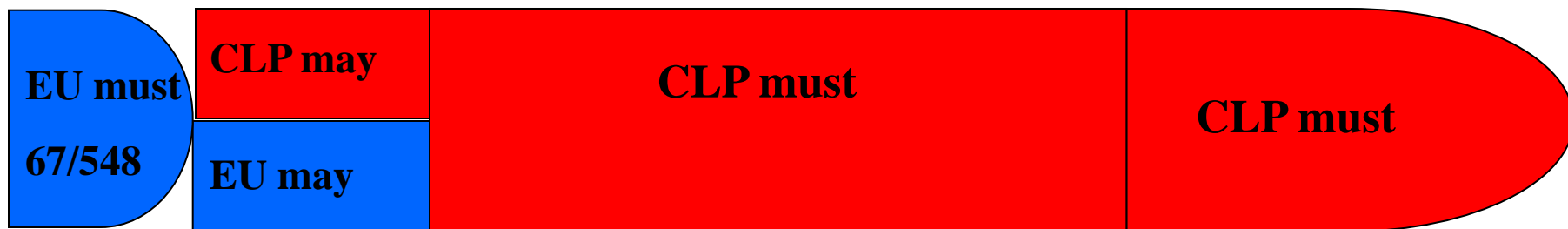
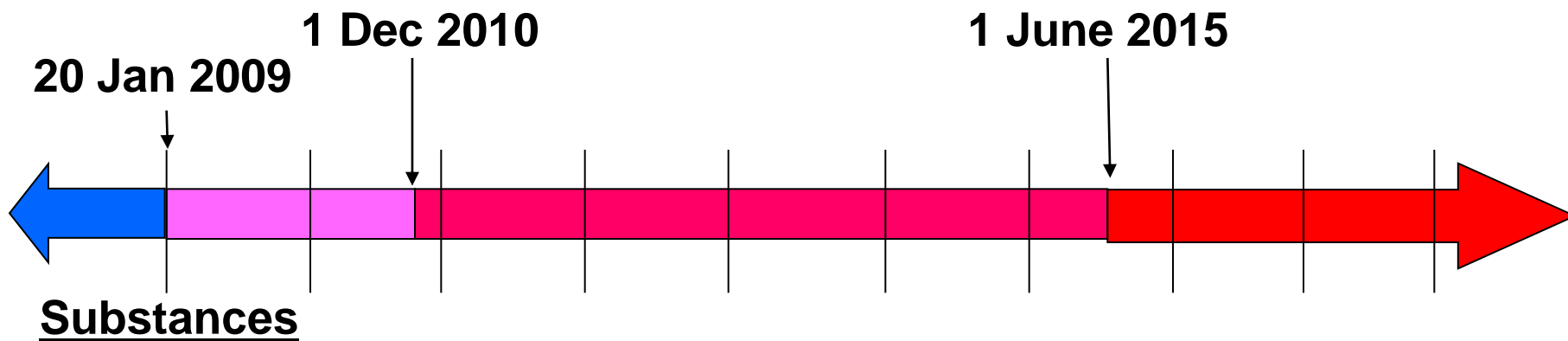
- CLP establishes a **classification and labelling inventory**
- Manufacturers and importers must notify hazardous substances placed on market (on own or in mixture above relevant conc limits)
  - Deadline 1st December 2010 (+ 1 month)
  - Notifiers must strive to agree classifications
  - Will be publicly available database
- Aims to achieve ‘unofficial’ harmonised classifications by encouraging industry agreement
- No tonnage limit (so covers substances that REACH doesn’t)

# CLP key transitional dates

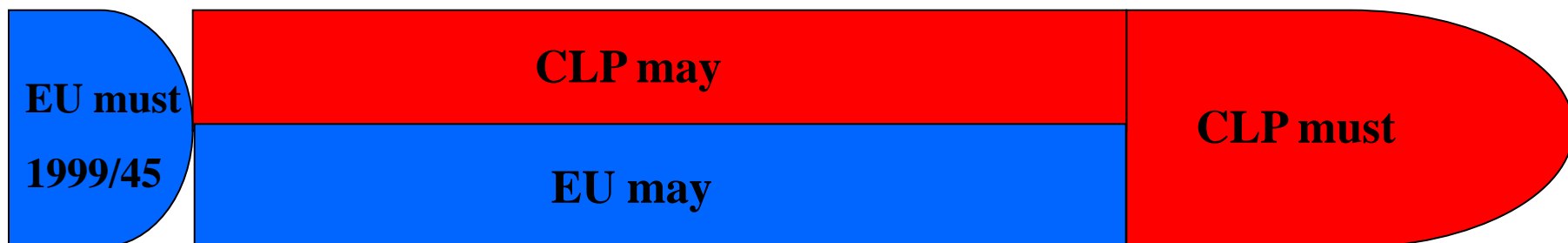
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- 1<sup>st</sup> December 2010
  - Deadline for substances to be classified and labelled according to CLP
  
- 1<sup>st</sup> June 2015
  - Deadline for mixtures to be classified and labelled according to CLP

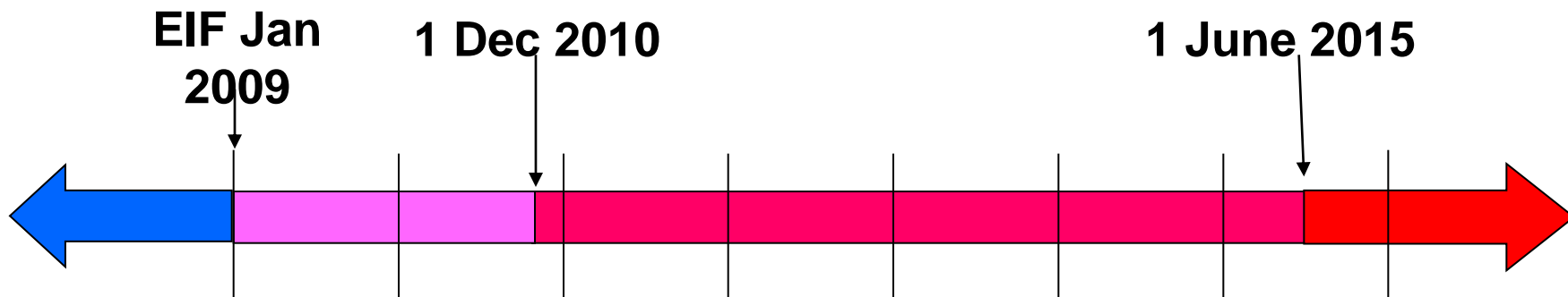
# CLP Transition - Labelling



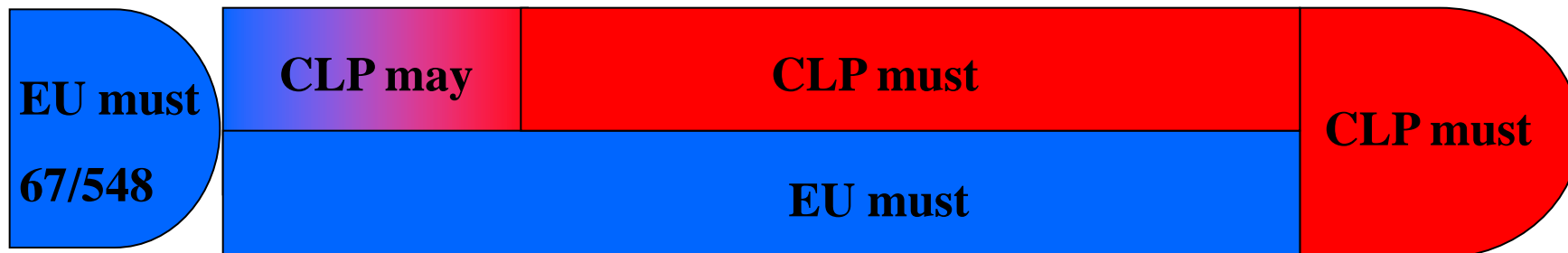
## Mixtures



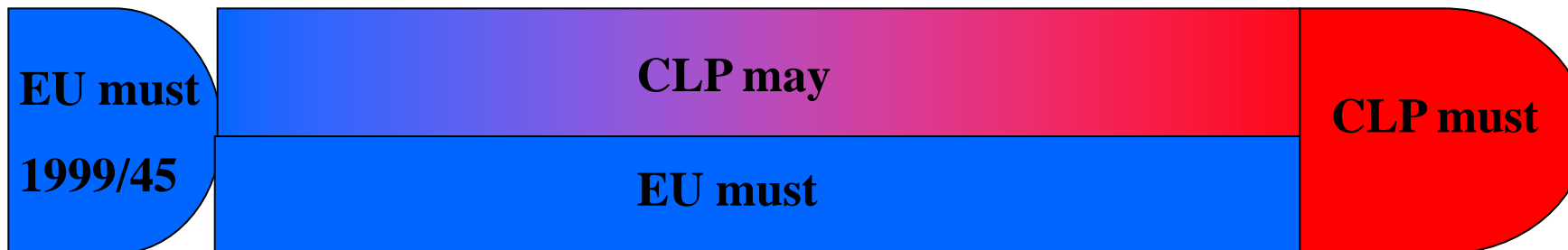
# CLP Transition - Classification



## Substances



## Mixtures



# CLP Transition – Safety Data Sheets

REACH Article 31(10) (as inserted by CLP Reg):

- SDS should always contain DPD/DSD classifications until 1<sup>st</sup> June 2015
- SDS should (also) contain CLP classification as soon as supplier is using a GHS label
  - At the latest 1<sup>st</sup> December 2010 for substances and 1<sup>st</sup> June 2015 for mixtures
  - But earlier if supplier uses GHS labels earlier
- SDS may contain CLP classification before re-labelling
  - but should go in ‘other information’ section to avoid confusion

Substances in mixtures:

- After 1<sup>st</sup> December 2010, SDS should give CLP classification as soon as it is available (see new REACH Ann II for details!)

# 'Period of Grace'

- Article 61(4)
  - Gives a 2 year 'period of grace' to allow packaged and labelled stock to go through supply chain before relabelling
  - Takes deadline to:
    - 1st December 2012 for substances
    - 1st June 2017 for mixtures
  - Also means new SDS not required until these dates (new REACH AnnII Art 5)



# CHIP 4

## CHIP 4

- Came into force on 6 April 2009 - SI 716/2009
- Consolidates all previous versions of CHIP
- Ensures national law dovetails with CLP
- Allows early compliance with CLP as an alternative to CHIP
- Introduces **enforcement** provisions for CLP
  - regime essentially same as CHIP
  - Breaches of CLP treated as health and safety breaches
  - To be enforced by HSE/ LAs (or Royal Pharm. Soc.) depending on context

# Downstream Legislation



Numerous pieces of EU and domestic legislation need updating to reflect CLP, e.g.:

- Chemical Agents Directive (1999/24/EC)
- Young Workers Directive (94/33/EC)
- Pregnant Workers Directive (92/85/EEC)
- Some changes already made at EU level
  - Detergents Regulation, Toys & Cosmetics Directives, and 4 others
- Still awaiting Commission proposals for remaining Directives...
- NB no change until GB/UK legislation amended.

## Sources of information



- UK Helpdesk
  - Integrated with REACH helpdesk
  - [ukreachca@hse.gsi.gov.uk](mailto:ukreachca@hse.gsi.gov.uk)
- Guidance
  - UK contributed to extensive EU guidance
  - No UK-specific guidance, but updating suite of CHIP guidance to refer to CLP



## Links and further information

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- ECHA guidance:

[http://echa.europa.eu/clp/clp\\_help\\_en.asp](http://echa.europa.eu/clp/clp_help_en.asp)

- European Commission's CLP website:

[http://ec.europa.eu/enterprise/sectors/chemicals/classification/index\\_en.htm](http://ec.europa.eu/enterprise/sectors/chemicals/classification/index_en.htm)

- UN papers:

[http://www.unece.org/trans/main/dgdb/dgsu\\_bc4/c4rep.html](http://www.unece.org/trans/main/dgdb/dgsu_bc4/c4rep.html)

# Links and further information

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- HSE's GHS website:

<http://www.hse.gov.uk/ghs/>

- Ex-ECB for Excel versions of Table 3.1 and Table 3.2 of CLP

<http://ecb.jrc.ec.europa.eu/classification-labelling/>

**Thank you for listening**

**Any questions?**