

# Classification, Labelling and Packaging (CLP) of Substances and Mixtures

under EU CLP Regulation



## Existing CPL Regulations



### Terminology

1. Symbols
2. Preparations
3. Indication of Danger
4. Risk Phrases
5. Safety Phrases



## New CLP Regulation



### Terminology

1. Pictograms
2. Mixtures
3. Signal word
4. Hazard statements
5. Precautionary statements



For further information,  
visit The Health and Safety Authority's website

[www.hsa.ie](http://www.hsa.ie) or contact the CLP Helpdesk at e-mail [clp@hsa.ie](mailto:clp@hsa.ie) or telephone **1890 289 389**

## The EU CLP Regulation - One System -

Adopting the United Nations Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Manufacturers, importers and downstream users (formulators) have particular obligations under EU CLP Regulation.

This brochure aims to assist companies to identify what these obligations are and when they apply, while introducing the new terminology and labelling regime for substances and mixtures. The EU CLP Regulation will become fully operational by 1st June 2015, at which point the existing Irish CPL Regulations will be repealed.

# Pictograms, Hazards and Precautionary Statements

Current Indication of Danger & corresponding symbols (CPL) From Directives 67/548 /EEC & 1999/45/EC		New* Signal words & corresponding pictograms (CLP) From Regulation EC 1272/2008		
Indication of Danger	Symbol	Class/Category	Signal Word	Pictogram
Explosive E		Explosives 1.1-1.3 Explosives 1.4	Danger Warning	
Extremely Flammable F+ Highly Flammable F		Flammable Liquids 1,2 Flammable liquids 3	Danger Warning	
Oxidising O		Oxidising Liquids 1,2 Oxidising Liquids 3	Danger Warning	
No Match	No Match	(NEW) Gases under pressure, compressed gases	Warning	
Corrosive C		Skin Corrosion 1A,1B,1C Corrosive to metals 1	Danger Warning	
Very Toxic T+ Toxic T		Acute Toxicity 1,2,3	Danger	
Harmful Xn Irritant Xi		Acute Toxicity 4 Skin Irritation 2	Warning Warning	
Harmful Xn Toxic T	or	Aspiration hazard Respiratory sensitization, Germ cell mutagenicity, Carcinogenicity, Reproductive toxicity, Specific target organ toxicity	Warning or Danger	
Dangerous to the environment N		Hazardous to the aquatic environment 1	Warning	

CLP now uses **Hazard (H) statements**, which are:

Hazard (H) Statements	
H200-H299	Physical hazard
H300-H399	Health hazard
H400-H499	Environmental hazard

CLP now also uses **Precautionary (P) statements**, which are:

Precautionary (P) Statements	
	Examples
100 General	P102 "Keep out of Reach of Children"
200 Prevention	P201 "Obtain special instruction before use"
300 Response	P310 "Call a poison centre"
400 Storage	P410 "Store in a well ventilated place"
500 Disposal	P501 "Dispose of container to..."

A number of "leftover" EU Risk Phrases are now preceded with EUH codes and known as supplemental hazard information, for example:

Risk Phrases	Supplemental Hazard Information
R1	EUH001 "Explosive when dry"
R66	EUH066 "Repeated exposure may cause skin dryness or cracking"
R59	EUH059 "Hazardous to ozone layer"

\*This is a non exhaustive list and is for illustrative purposes only. The user should refer to the Regulation (EC) 1272/2008 for more detailed information

## CLP Label

UNDER THE EU CLP REGULATION THE FOLLOWING CHANGES TAKE PLACE TO THE LABEL:

1. HAZARD (H) STATEMENTS REPLACE RISK (R) PHRASES
2. PRECAUTIONARY (P) STATEMENTS REPLACE SAFETY (S) PHRASES
3. HAZARD PICTOGRAMS REPLACE DANGER SYMBOLS

Product name & Commercial Information

Hazard pictogram

Signal word

Hazard (H) & Precautionary (P) Statements

Transport Information

**Methanol**

Manufactured by  
Company XYZ  
Address



**Danger**

**Hazard Statements**  
XXXXXXXXXXXX  
XXXX  
**Precautionary Statements**  
XXXXXXXXXXXX  
XXXXXXXXXXXX



UN1230 Methanol

**Supplemental Information**

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

Example of supply & transport label for single packaging - for indicative purposes only pictograms not to scale

# CHEMICALS

## Safety Data Sheet (SDS)

The requirements for SDS's and guide to the compilation to safety data sheets are set out in Article 31 and Annex II of REACH Regulation 1907/2006 respectively.

SDS's are an important communication tool in the supply chain, helping all the actors in the chain to meet their responsibilities in relation to the management of risks arising from the use of substances and mixtures.

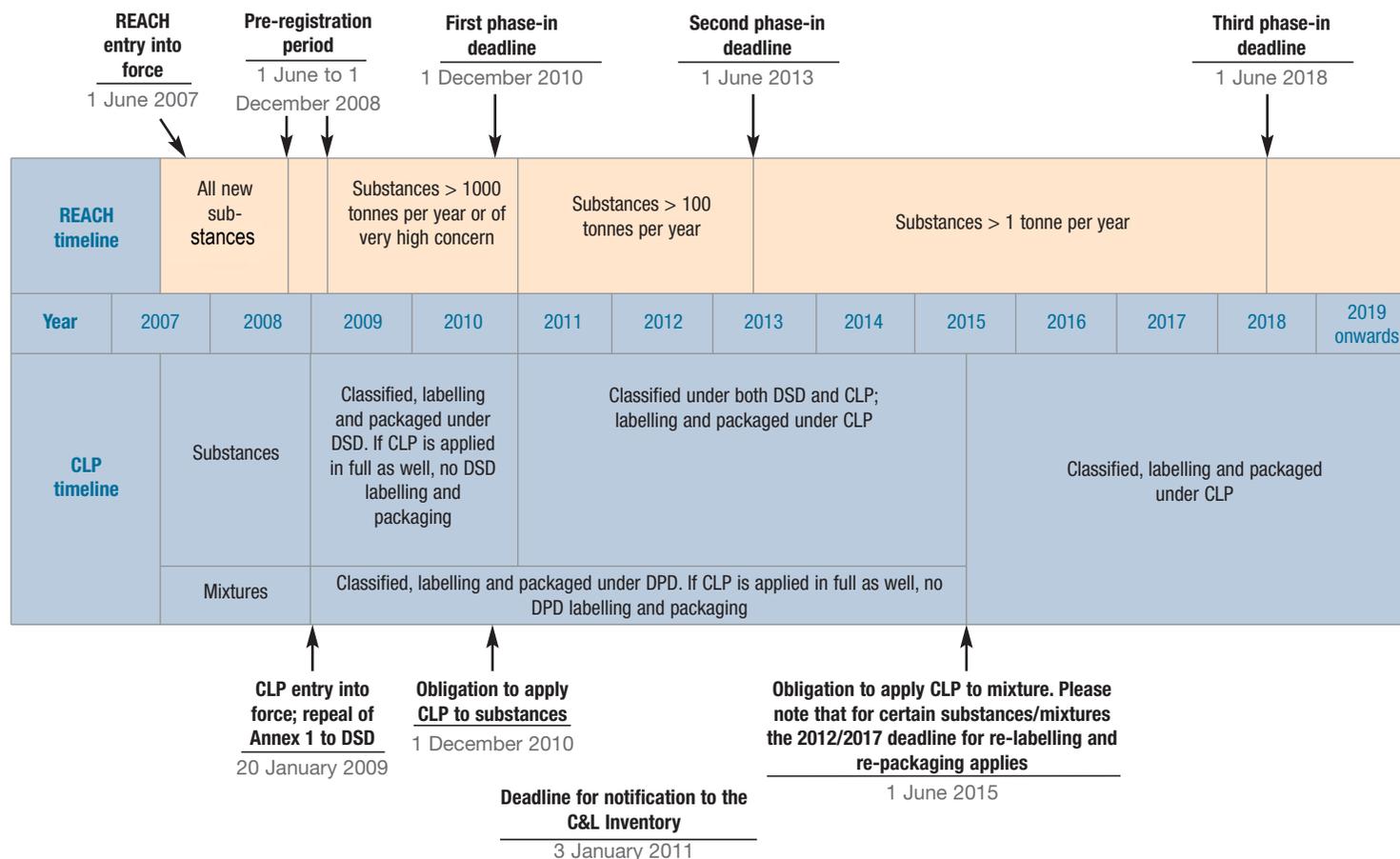
SDS's must be

- Compiled in accordance with Annex II of REACH
- 16 mandatory headings
- All sections completed – not generic
- All information must be consistent with registration
- An official language of member state
- Up-to-date
- Date of issue on first page
- Upon revision, "revision date" to be added
- Clear and concise
- Section 2: Hazards identification
- Section 3: Composition & information on ingredients
- Section 4: First Aid measures
- Section 5: Fire-fighting measures
- Section 6: Accidental release measures
- Section 7: Handling and storage
- Section 8: Exposure controls/personal protection
- Section 9: Physical and Chemical properties
- Section 10: Stability and Reactivity
- Section 11: Toxicological information
- Section 12: Ecological information
- Section 13: Disposal considerations
- Section 14: Transport information
- Section 15: Regulatory information
- Section 16: Other information

The SDS 16 headings are:

- Section 1: Identification of substance or mixture and company
- Section 2: Hazards identification
- Section 3: Composition & information on ingredients
- Section 4: First Aid measures
- Section 5: Fire-fighting measures
- Section 6: Accidental release measures
- Section 7: Handling and storage
- Section 8: Exposure controls/personal protection
- Section 9: Physical and Chemical properties
- Section 10: Stability and Reactivity
- Section 11: Toxicological information
- Section 12: Ecological information
- Section 13: Disposal considerations
- Section 14: Transport information
- Section 15: Regulatory information
- Section 16: Other information

# CLP and REACH Transitional Implementation timeframe



## Note

DPD – Dangerous Preparations Directive (1999/45/EC)  
DSD – Dangerous Substances Directive (67/548/EEC)

These Directives are transposed in Ireland (as the ‘CPL regulations’) through S.I No 116 of 2003 (substances) and S.I No 62 of 2004 (preparations), as amended.

## Further sources of information and guidance can be found at the following:

HSA website and CLP Helpdesk

<http://www.hsa.ie/eng/sectors/Chemicals> email [clp@hsa.ie](mailto:clp@hsa.ie) Telephone 1890 289 389

European Chemicals Agency (ECHA) website

<http://www.echa.eu>

CLP Regulation (EC) No. 1272/2008, OJ L 353

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2008:353:0001:1355:EN:PDF>