

CLP regulation

Stricter classification rules in many cases

GHS Globally Harmonised System of Classification and Labelling of Chemicals

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Commission Regulation (EU) No 487/2013 of 8 May 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

New



Old



Corrosive

Dangerous
for the
environment



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Danger

H301: Toxic if swallowed
(if LD50- value =
200 – 300 mg/kg bw
→ criteria changed)

H351: Suspected of causing
cancer

H314: Causes severe skin burns
and eye damage

H400: Very toxic to aquatic life

C N

R22: Harmful if swallowed

R34: Causes burns

R40: Limited evidence
of a carcinogenic effect

R50: Very toxic to aquatic
organisms

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expect more+

GHS
Objectives and content



GHS provides a single system to identify hazards and to communicate them in transporting and supplying chemicals across the world. The regulation describes criteria for the classification and labelling of substances and mixtures with the goal to:

- + Ensure a higher level of protection of human health and the environment
- + Enhance free trade, competitiveness and innovation

The more countries all over the world implement the GHS criteria in their legal system, the more valuable it becomes for all companies.

GHS regulation implies:

- + Criteria for the classification of dangerous substances in harmonization with the criteria for classification of dangerous goods
- + New hazard classes and properties
- + Changed hazard classes → existing classes had been split up to itemise them better
- + New criteria for the classification of mixtures
- + New and changed labelling elements for the labels

CLP
Implementation throughout the EC



On January 20th, 2009 the EC regulation of classification and labelling of chemicals named CLP regulation (= Classification, Labelling, and Packaging of Chemicals) entered into force.









Transition period of CLP regulation:

- + Deadline for classification to the new rules will be:
 - ▶ December 1, 2010 for pure substances
 - ▶ June 1, 2015 for mixtures
- + Since December 1, 2010 until June 1, 2015, the safety data sheets for substances shall contain the classification according to both Directive 67/548/EEC and Regulation (EC) No. 1272/2008
- + Warehouse stocks with old labels can be sold two years longer (e.g. products produced before June 2015 can be sold with old labelling until end of May 2017)
- + Containers must NOT be labelled with old and new classification!

What are the changes?

New	Old
 Explosive	 Explosive
 Flammable	 Flammable
 Oxidising	 Oxidising
 Corrosive	 Corrosive
 Acute toxicity	 Toxic

What are the changes?

New	Old
 CMR, sensitising or aspiration hazard	 Harmful Toxic
 Harmful, irritant or identifies a minor danger	 Harmful or irritant
 Dangerous for the environment	 Dangerous for the environment
 Gas under pressure (gas cylinder)	 According to the directive of hazardous materials until now no risk factor