Concentration limits & cut-off values EU CLP classification
Health & environmental hazards

Hazard	Substance classification		H-phrase	Generic concentration limit or cut-off value	
The thresholds below are Generic Concentration Limits (look up any Specific Concentration Limits) **NO additivity/ calculation rules to be applied** Only individual substances present ≥ GCL (or SCL) trigger the classification of the mixture (unless marked*)					
Skin sensitisation	Cat 1 / 1B Cat 1A		H317	1% 0,1%	Even if the concentration of a substance is one tenth of the threshold, information should be included on the product label.
Respiratory sensitisation	Cat 1 / 1B Cat 1A		H334	1% 0,1%	
Mutagenicity	Cat 1A / 1B Cat. 2		H340 H341	0,1% 1%	
Carcinogenicity	Cat 1A / 1B Cat. 2		H350 H351	0,1% 1%	In case a cat. 2 substance present ≥ 0.1% SDS on request
Toxic for reproduction	Cat 1A / 1B Cat. 2 (lactation)		H360 H361 H362	0,3% 3% 0,3%	If a cat. 1 or 2 toxicant or substance classified for lactation effects is present above 0,1 %, a SDS shall be available upon request
STOT SE	Cat. 1 Cat. 2 *Cat. 3*		H370 H371 *H335/ H336*	10% (1%) 10% *20%**	≥ 1% cat. 1 substance leads to cat. 2 mixture (>10% to cat. 1). If ≥ 1% cat. 2 substance: SDS on request. **For cat. 3 a summation applies (all H335 resp. H336 have to be summed: classify if total H335 or H336 ≥20%).*
STOT RE	Cat. 1 Cat. 2		H372 H373	10% (1%) 10%	
Aspiration toxic	Cat. 1		H304	10%*	**Summation applies: all H304 substances have to be summed, classify if total ≥10%.* No classification if kin. Viscosity >20,5mm2/s 40°C, or impossible that a liquid mass is formed in the mouth
The thresholds below are generic cut-off values (these are not concentration limits) **Additivity/ calculation rules must be applied** All substances present ≥ the generic cut-off value or SCL must be taken into account <u>in a further classification calculation</u> Note that the limits below are not classification limits, they do not trigger classification directly. Consult Annex I to the CLP regulation, or contact us for the applicable calculation rules.					
Acute tox.	Cat. 1, 2, 3	*o d i*	H300, H301 H310, H311 H330, H331	0,1%	In case substances with unknown acute toxicity are present > 1%, this should be mentioned on the label
Acute tox.	Cat. 4	*o d i*	H302 H312 H332	1%	
Skin corr. Skin irr.	Cat. 1 Cat. 2		H314 H315	1%	Specific concentration limits may for some substances be lower than the cut-off value
Eye dam / Eye irr	Cat. 1 Cat. 2		H318 H319	1%	
Acute aquatox.	Cat. 1		H400	0,1%	in case of M factor > 1 or L(E)C50 ≤ 0,1 or NOEC ≤ 0,01 substances may trigger classification < 0.1%
Chronic aquatox.	Cat. 1		H410	0,1%	
Chronic aquatox.	Cat. 2, 3, 4		H411, H412, H413	1%	In case substances with unknown acute toxicity are present > 1%, this should be mentioned on the label

Look up Specific Concentration Limits, harmonised (mandatory) classifications or classifications done by the industry: http://echa.europa.eu/nl/information-on-chemicals/cl-inventory-database.
For CLP classification training courses, please contact us

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