

### Tool description

Based on the calculation rules for health & environmental hazards in Regulation EC 1272/2008 (CLP), we have developed an Excel calculation tool that helps classifying & labelling mixtures (it is not a replacement of the legal text of CLP). The tool is in English, but label results can be presented in all official EU member-state languages.

The concentration and classification information for all substances is required as input, based on this, the tool calculates the classification of the mixture and gives the H & P statements, pictograms, signal word and relevant substances. A label is also drafted. For more information see the Brochure: [CLP mixture classification tool.pdf \(tenviro.nl\)](#)

### System, input & output

General information & limitations:

- the tool is based on mixture calculation rules\* in CLP Annex I (from the time of issue of the tool) and the 2020 consolidated English version of the CLP regulation (with respect to translations)  
*\*using concentrations and classifications of ingoing substances; note that when test-data for the mixture or similar mixtures (or sometimes ingredients) is available, classification should be based on that data instead. Note that not all rules and exemptions can be automated in a tool. The tool is therefore not a replacement for the CLP regulation*
- requirements: Microsoft Excel under Microsoft (Office) 365 with as decimal separator setting a Comma (the tool uses no Macro's), other versions will not work
- the tool doesn't contain substance databases or links to such, Hazard codes per substance are needed as input
- the tool gives results with regard to health and environmental hazards, for physical hazards CLP has no calculation rules (physical hazards can be added manually), the same is true for most EUH phrases
- a draft label (fixed size) is given with all relevant CLP information (adjusting size/ layout will be necessary).

Input & Calculations:

- the tool can calculate 10 hazardous substances per mixture, each with 15 H-phrases (health, environmental or endocrine & PBT EUH-phrases)
- the max concentration and H-phrase(s) per substance are required as input, sometimes also the hazard categories
- any (extreme) pH, Specific Concentration Limits, LD/LC<sub>50</sub>'s, ATEs or M factors are also required as input, if known also the boiling- and flashpoint and kinematic viscosity of the mixture
- most physical hazards and/ or applicable EUH-statements for the mixture must be added manually
- as a result, the applicable H-statements, corresponding P-statements, pictograms and signal word are given; EUH208 (allergens) and EUH210 (SDS available on request) are also automatically determined
- the (6) most relevant P-statements must be picked (the tool indicates the importance of statements and gives further recommendations for selection or required adjustments)
- the tool also automatically calculates the most relevant substances for the label.

Output: label:

- a label is drafted with all calculated and added H- and EUH-statements, the signal word, pictograms, selected P-statements and the most relevant substances
- the label can be pasted into Word for further editing (adjust size, layout and printing; printing from Excel will distort pictograms), note that some P-statements require editing (the tool indicates such)
- before printing labels, it is important to check with the CLP labelling guidance if the label content (identification of the product & supplier, pictograms, signal word, H, EUH & P phrases etc.) and lay-out are in accordance with CLP
- the tool also gives an indication regarding: the need for poison centre notification (& UFI), a safety data sheet, tactile warning, child-resistant fastening and conclusions regarding SVHC/ CMR status & SEVESO III category, all based on only the H-statements.

### Manual

The model comes with a manual (in English or Dutch) as a PDF with an explanation of the tool, and with a background regarding the CLP regulation and requirements for label etc.

### Helpdesk

Customers can use our free helpdesk for questions about the use of the tool. Questions about the CLP regulation, classifying mixtures in general or checking a classification is free for the first hour (when a training is taken). Further questions can be answered based on our hourly rate.

### Training

No training is required to use the tool. However, when using a calculation tool, knowledge of CLP mixture calculation & labelling rules is required. See our 1-day training course: [CLP classification of mixtures](#)

### Updates

The tool is regularly updated due to among others changes in legislation, customer demands and/ or discovered bugs/ defects. The tool comes with a free 12-month update period. If you want to be assured of an up-to-date tool after this period, you can choose/ order updates. The use of the tool after the validity period, or after a newer version is available is strongly discouraged (the tool indicates the validity period, and you can check if the latest version is used).

**Costs, invoicing & order**

Product	Costs excl. VAT	Please give desired number of products
CLP mixture calculation tool (the Excel model), version 5.3	<b>€515*</b>	
CLP classification search tool (Excel tool that gives CLP annex VI classifications, links to: the REACH dossier, ECHA CHEM, ongoing harmonisations and SVHC candidate list inclusions for up to 50 EC/ CAS# simultaneously)	<b>€130**</b>	
Updates within 1 year of purchasing the tool are free of charge. For updates after this period: choose 1 or 3 extra years (costs are per tool) for update to version 5.3 and further	<b>€82</b>	1 extra year
	<b>€220</b>	3 extra years

\*€50 discount per tool when attending our CLP training mixture classification course

\*\*Free for users of a subscription to our CLP mixture calculation tool, otherwise €130 + €45 per year for updates

**Terms & Conditions**

- The costs will be invoiced as PDF after the order. The latest version will be emailed at the same time as the invoice. The payment term is 14 days. \*Mentioned discounts apply per tool purchased. The tool and any update will be sent to the contact email address provided below; keep the contact details up to date (via [erwin@tenviro.nl](mailto:erwin@tenviro.nl))!
- The tool & training material remain the intellectual property of Tenviro. **One tool may be used and/or stored at a maximum of 1 workplace or department per organisation. Sending the file (the tool) inside or outside the organisation is not allowed.** It is not permitted to disclose or transmit training material or the tool in any way except with our written permission. Cracking or manipulating the security is a violation of this condition.
- The tool has been developed with great care, but errors cannot be ruled out. The tool is not a replacement for the applicable legislation. The tool, manual & training material are a simplification/ summarisation of the main CLP rules. Do not use this tool, manual or training material as only resource when putting products on the market or checking Seveso consequences.
- Users must have a good knowledge of the CLP mixture calculation and labelling rules and must check results with ECHA guidance's as recommended in the tool and manual.
- Tenviro accepts no liability for damage (direct, indirect, economic) resulting from any acts or omissions obtained from, or through Tenviro or the tool, manual or training material. Any liability is always limited to a maximum of the aforementioned costs. If this is not acceptable the tool must not be purchased or used.

Upon signing, you order the products as indicated above and agree to abovementioned terms & conditions. The terms & conditions also apply in full when ordering this tool via any another route and by using the tool! It is not possible to overrule in any way above terms and conditions. Send the signed form to [erwin@tenviro.nl](mailto:erwin@tenviro.nl)

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