

# Conclusions

Mixture classification and communicating safe use of mixtures. Advice for formulators and importers

05 November 2014  
11:00 – 13:00 (EST, GMT +2)

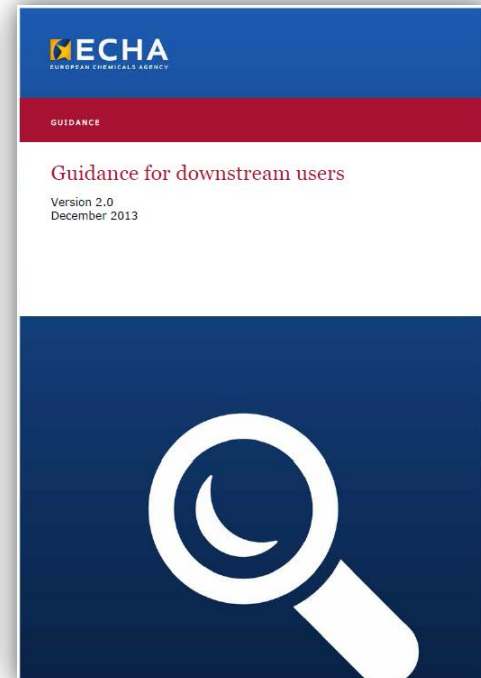
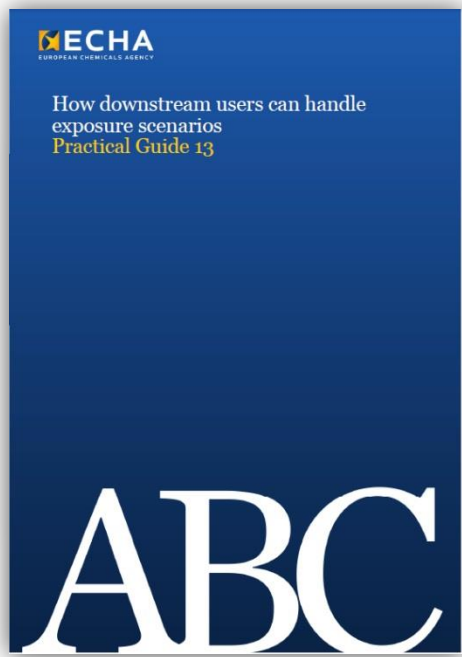
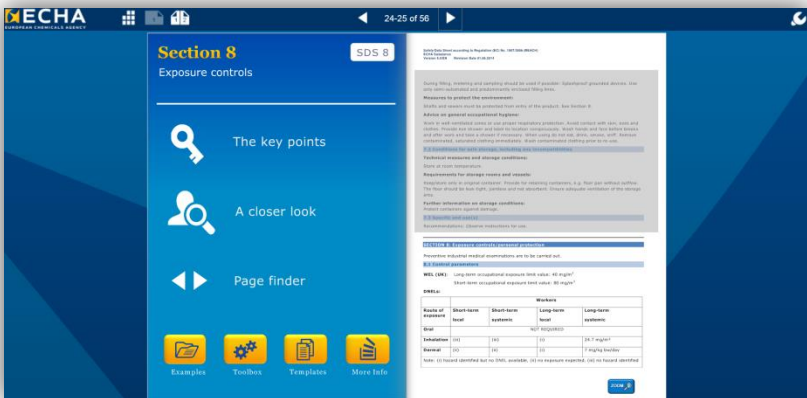
Arimatti Jutila  
Risk Management Identification Unit  
European Chemicals Agency

## Key messages

- Suppliers of mixtures have a key role to play in enhancing the safe use of chemicals.
- Suppliers of mixtures are obliged to convey the relevant safe use information down the supply chain to their customers.
- Reporting the uses upstream will facilitate preparation of relevant safe use information by the suppliers.
- Mixtures are classified under CLP by the same basic principles as under DPD.
- In most cases, basic information about ingredient substances is sufficient to classify your mixture.

# Available support



**Section 8**  
Exposure controls

SDS 8

**The key points**

**A closer look**

**Page finder**

**WEL (M)**

Route of exposure	Short-term level	Short-term systems	Long-term level	Long-term systems
Inhalation	100	100	10	(M) 10 mg/m <sup>3</sup>
Respiratory	100	100	10	10 mg/m <sup>3</sup>



**Exposure scenarios**

Exposure scenarios were introduced as part of the REACH Regulation. They provide information on how the exposure of workers, consumers and the environment to substances can be controlled in order to ensure its safe use.

Relevant exposure scenarios should be included as an annex to the safety data sheet of a substance when a company in the supply chain has carried out a chemical safety assessment under REACH. Exposure scenarios may, optionally, be included for mixtures containing such substances.

A downstream user is obliged to check exposure scenarios they receive and take appropriate action to ensure safe use.

Industry sector organisations, Member States, and ECHA have worked together to improve and harmonise exposure scenarios as part of the CSR/ES Roadmap. An annotated template of an exposure scenario is provided here to present the recommended format with brief explanations and examples. A more detailed illustrative example is also provided here to support suppliers in generating exposure scenarios.

These examples reflect the outcome of cooperation between the stakeholders through the Exchange Network for Exposure Scenarios (ENES). Work is ongoing to further improve harmonisation and automation.

**Related links**

- Downstream users obligations
- ENES
- CSR/ES Roadmap

**Related documents**

- PG 13 - How downstream users can handle exposure scenarios [PDF][EN]
- Safety data sheets eGuide [EN]

**Practical examples of exposure scenarios**

**Annotated templates of exposure scenarios**



**Formulators**

Formulators are downstream users who produce mixtures and usually supply them further down the supply chain or directly to consumers. They mix together substances and/or mixtures, with no chemical reaction taking place during the process. Examples of such mixtures include paints, adhesives, cosmetics, lubricants, detergents and diagnostic kits.

These pages aim to provide relevant and useful information to help formulators to fulfil their obligations under REACH and CLP. The main legal obligations of downstream users are outlined on the Downstream user roles and obligations page. The obligations on supplying information on chemicals also apply to distributors.

**Communication in the supply chain**

Classifying mixtures | Regulatory status of the substances you use

As a formulator you have a key role to play in enhancing the safe use of chemicals by communicating relevant information both to your suppliers and your customers.

When you provide information to your suppliers on how your mixtures are used in practice, this helps registrants of the substances to include the actual conditions of use in their chemical safety assessments. Registrants, in turn, can then provide you with exposure scenarios that are both relevant and realistic.

Alongside our stakeholder organisations, we are working to improve and standardise supply chain communication in the context of the implementation of the Chemical Safety Report/Exposure Scenario (CSR/ES) Roadmap, see Action areas 2 and 4.

**Communication with suppliers**

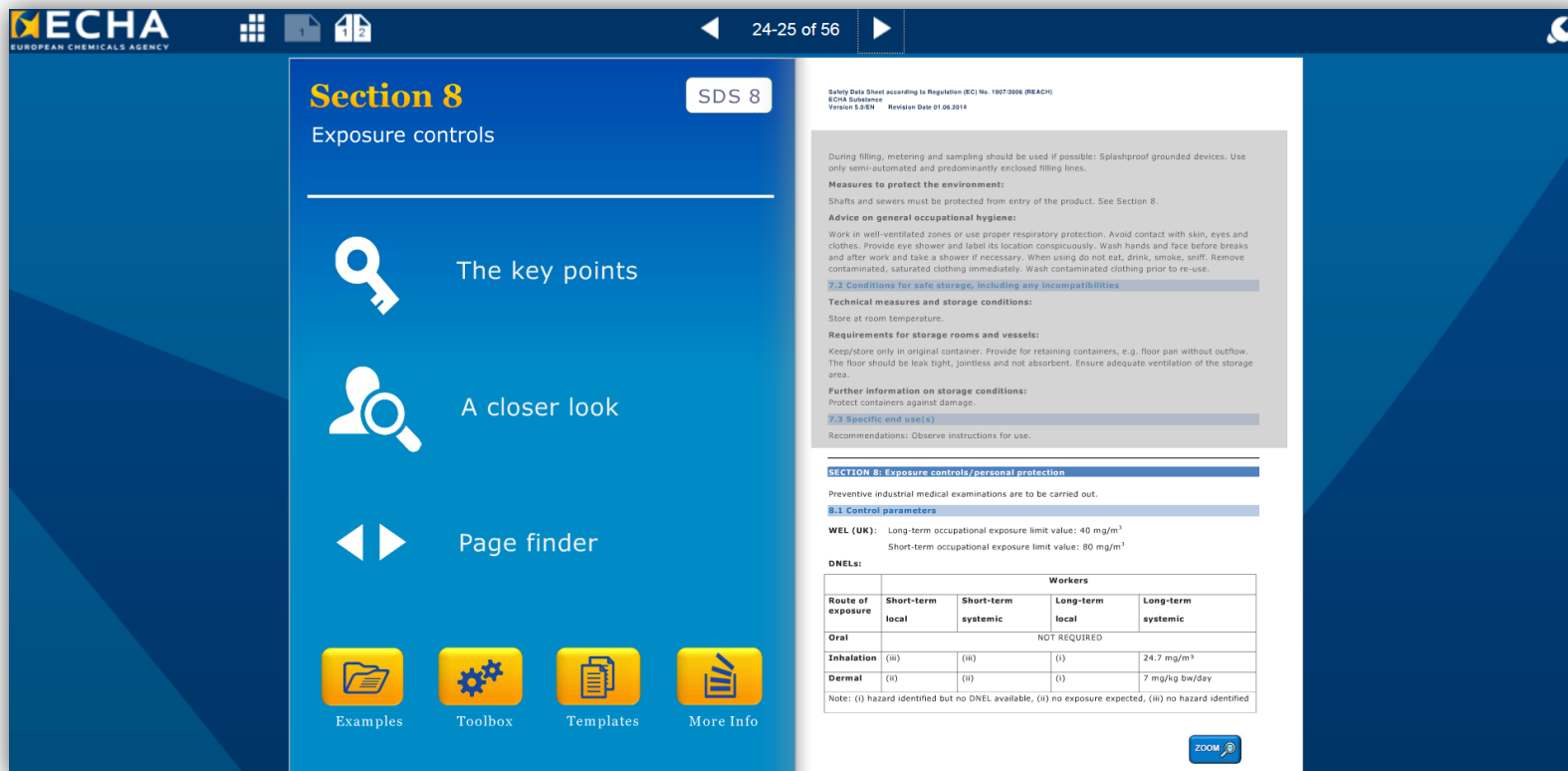
Find out about when you need to communicate with your suppliers, and what you can expect to receive in return.

**Communication with customers**

Find out what and how you need to communicate further down the supply chain to your customers.

# eGuide on SDS and ES

**NEW**



The screenshot displays the ECHA eGuide interface for Section 8: Exposure controls. The left sidebar contains navigation options: 'The key points', 'A closer look', 'Page finder', 'Examples', 'Toolbox', 'Templates', and 'More Info'. The main content area shows the SDS 8 details, including a table of DNELs for workers.

**Section 8**  
Exposure controls

SDS 8

**The key points**

**A closer look**

**Page finder**

**Examples** **Toolbox** **Templates** **More Info**

**SECTION 8: Exposure controls/personal protection**

Preventive industrial medical examinations are to be carried out.

**8.1 Control parameters**

**WEL (UK):** Long-term occupational exposure limit value: 40 mg/m<sup>3</sup>  
Short-term occupational exposure limit value: 80 mg/m<sup>3</sup>

**DNELs:**

Route of exposure	Workers			
	Short-term local	Short-term systemic	Long-term local	Long-term systemic
Oral	NOT REQUIRED			
Inhalation (iii)	(iii)	(i)	24.7 mg/m <sup>3</sup>	
Dermal (ii)	(ii)	(i)	7 mg/kg bw/day	

Note: (i) hazard identified but no DNEL available, (ii) no exposure expected, (iii) no hazard identified

<http://view.pagetiger.com/ECHAeGuide1-1/Issue1>

# Exposure scenarios web pages



The screenshot shows the ECHA website interface. At the top, there is a navigation bar with the ECHA logo and the text "EUROPEAN CHEMICALS AGENCY". Below this is a search bar and a navigation menu with items: "About Us", "Regulations", "Addressing Chemicals of Concern", "Information on Chemicals", "Chemicals in our Life", and "Support". The "Regulations" menu is active. The main content area is titled "Exposure scenarios" and contains three paragraphs of text. The first paragraph explains that exposure scenarios were introduced as part of the REACH Regulation. The second paragraph states that relevant exposure scenarios should be included as an annex to the safety data sheet. The third paragraph describes the obligations of downstream users. To the right of the main content, there are two sidebars: "Related links" with links to "Downstream users obligations", "ENES", and "CSR/ES Roadmap"; and "Related documents" with links to "PG 13 - How downstream users can handle exposure scenarios [PDF][EN]" and "Safety data sheets eGuide [EN]". At the bottom of the page, there are two buttons: "Practical examples of exposure scenarios" and "Annotated templates of exposure scenarios".

ECHA > Regulations > REACH > Downstream users > Exposure scenarios

## Exposure scenarios

Exposure scenarios were introduced as part of the REACH Regulation. They provide information on how the exposure of workers, consumers and the environment to substances can be controlled in order to ensure its safe use.

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A downstream user is obliged to check exposure scenarios they receive and take appropriate action to ensure safe use.

Industry sector organisations, Member States, and ECHA have worked together to improve and harmonise exposure scenarios as part of the CSR/ES Roadmap. An annotated template of an exposure scenario is provided here to present the recommended format with brief explanations and examples. A more detailed illustrative example is also provided here to support suppliers in generating exposure scenarios.

These examples reflect the outcome of cooperation between the stakeholders through the Exchange Network for Exposure Scenarios (ENES). Work is ongoing to further improve harmonisation and automation.

[Practical examples of exposure scenarios](#)

[Annotated templates of exposure scenarios](#)

**NEW**

<http://www.echa.europa.eu/regulations/reach/downstream-users/exposure-scenarios>

# Formulators web pages



The screenshot shows the ECHA website page for Formulators. The page has a blue header with the ECHA logo and navigation tabs: About Us, Regulations, Addressing Chemicals of Concern, Information on Chemicals, Chemicals in our Life, and Support. The breadcrumb trail is: ECHA > Regulations > REACH > Downstream users > Who is a downstream user? > Formulators. The main content area is titled "Formulators" and features a "NEW" badge. The text explains that formulators are downstream users who produce mixtures and provides information on their obligations under REACH and CLP. There are two sub-sections: "Communication in the supply chain" and "Communication with suppliers". The "Communication in the supply chain" section includes a photo of three people in a meeting and text about the role of formulators in communicating with suppliers and customers. The "Communication with suppliers" section includes a truck icon and text about when to communicate with suppliers. The "Communication with customers" section includes a group of people icon and text about communicating further down the supply chain. There is also a "CSR/ES Roadmap" section and a "Related links" section with links to "Downstream users" and "Exposure Scenarios".

**Formulators** **NEW**

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These pages aim to provide relevant and useful information to help formulators to fulfil their obligations under REACH and CLP. The main legal obligations of downstream users are outlined on the Downstream user roles and obligations page. The obligations on supplying information on chemicals also apply to distributors.

**Communication in the supply chain** Classifying mixtures Regulatory status of the substances you use

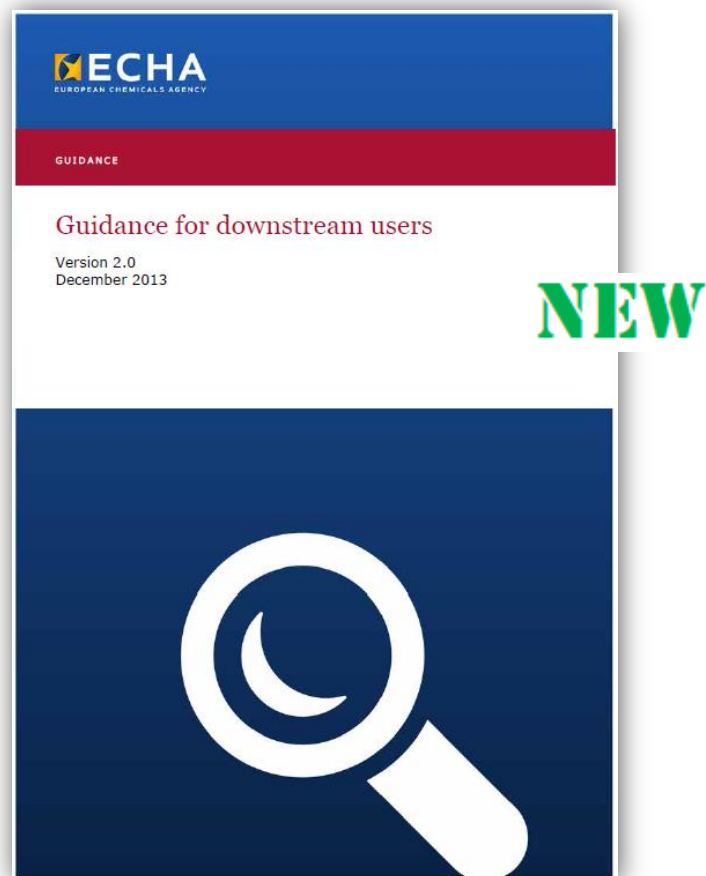
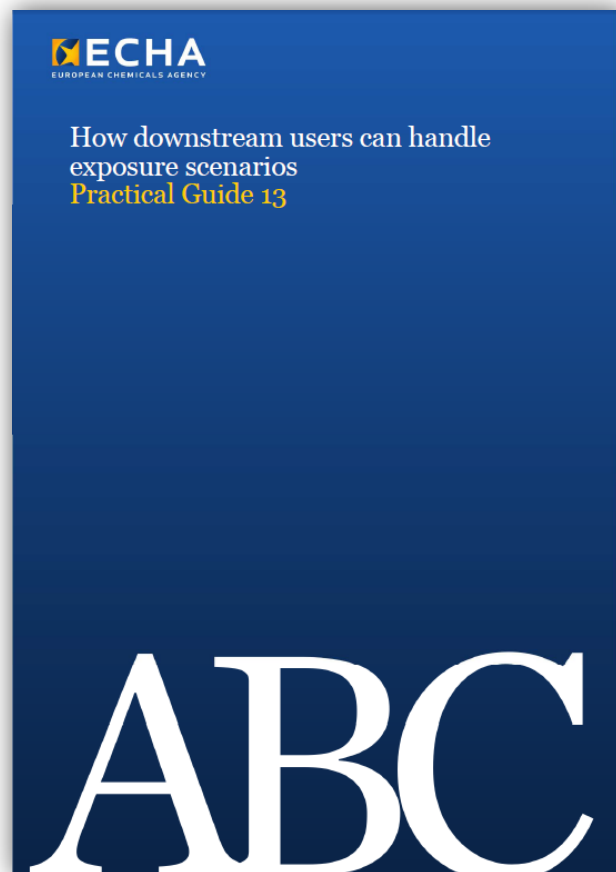
**Communication with suppliers**  
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<http://www.echa.europa.eu/en/web/guest/regulations/reach/downstream-users/who-is-a-downstream-user/formulators>

# Guidance – downstream users

[http://www.echa.europa.eu/documents/10162/13655/du\\_practical\\_guide\\_13\\_en.pdf](http://www.echa.europa.eu/documents/10162/13655/du_practical_guide_13_en.pdf)

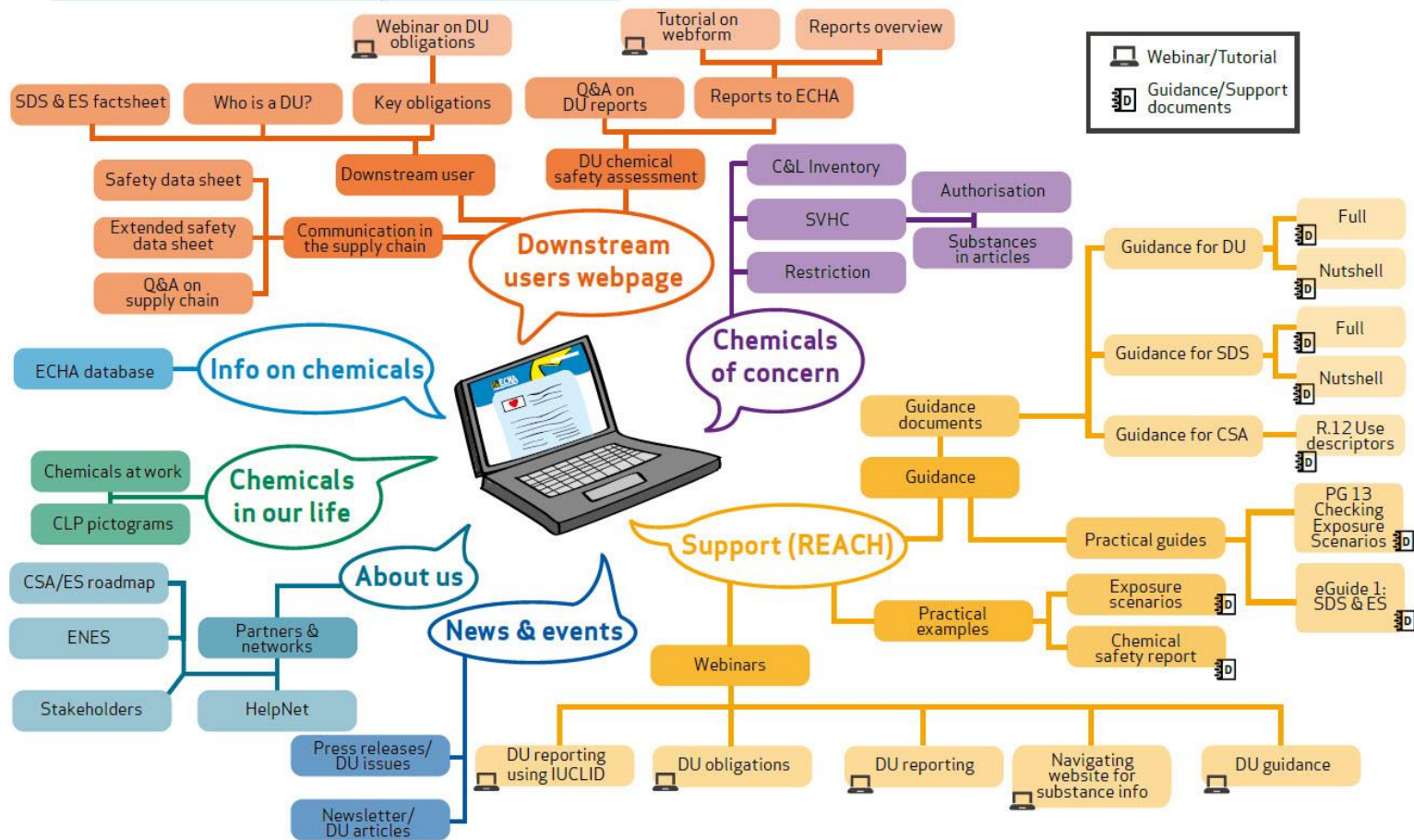


[http://www.echa.europa.eu/documents/10162/13634/du\\_en.pdf](http://www.echa.europa.eu/documents/10162/13634/du_en.pdf)



# Interactive map of information for downstream users on ECHA Website

Click the links in the boxes with "show hand picture" for further information



# Mixture classification web pages



The screenshot shows the ECHA website's 'Mixture classification' page. The header includes the ECHA logo and navigation tabs: 'About Us', 'Regulations', 'Addressing Chemicals of Concern', 'Information on Chemicals', 'Chemicals in our Life', and 'Support'. The main content area is titled 'Mixture classification' and features a sidebar with a navigation menu. The main text explains the roles of importers, formulators, and distributors under the CLP Regulation, accompanied by an image of blue chemical drums. A 'Support to understand your task' section provides additional resources and guidance.

**ECHA**  
EUROPEAN CHEMICALS AGENCY

Advanced search >

About Us | Regulations | Addressing Chemicals of Concern | Information on Chemicals | Chemicals in our Life | Support

ECHA > Support > Mixture classification

Related guidance

- > Introductory Guidance on the CLP Regulation [PDF] [EN]
- > ECHA Guidance on the application of CLP criteria [PDF] [EN]
- > Guidance on labelling and packaging [PDF] [EN]

**Mixture classification**

Are you an **importer** or a **formulator** of mixtures within the EU/EEA?

If you are, you are **responsible** for the classification, labelling and packaging of the mixture you place on the market (i.e. mixtures you import into the EU/EEA or formulate for further supply) in accordance with the CLP Regulation. You need to be aware of the hazards of the mixture imported or formulated and you need to communicate them in your supply chain.

**Distributors** of mixtures also have obligations under CLP e.g. to make sure that the label and the packaging is in accordance with CLP.

A further description of roles and obligations under CLP is given in Chapter 2 of the **Introductory Guidance on the CLP Regulation**.

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**Support to understand your task**

The following pages offer support to those who need to **classify mixtures to meet the classification requirements of CLP**. Information on labelling and packaging can be found in the Guidance on labelling and packaging.

The information presented is mainly based on the **ECHA Guidance on the application of CLP criteria** and the **Guidance on labelling and packaging**, to which also links are provided. We advise you to read these web pages together with Part 1, especially Chapter 1.6, especially addressing mixtures, of the Guidance on the application of CLP criteria.

In addition, links to other useful sources are provided.

Before you begin your classification exercise, we recommend that you carefully consider whether you have the necessary expertise 'in house' to classify your mixtures or whether you need external support, especially when your mixture is very complex.

In fulfilling your obligation to classify and label your mixture and to compile the safety data sheet (SDS), commercial classification, labelling and SDS software systems can be particularly useful. However, please bear in mind that even when using software or external expertise, you are still responsible for the final classification of your mixture.

> Where do I start?

<http://www.echa.europa.eu/support/mixture-classification>

# Guidance – CLP



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About Us | Regulations | Addressing Chemicals of Concern | Information on Chemicals | Chemicals in our Life | Support

ECHA > Support > Guidance > Guidance Documents > Guidance on CLP

[About Us](#)  
[Regulations](#)  
[Addressing Chemicals of Concern](#)  
[Information on Chemicals](#)  
[Chemicals in our Life](#)  
[Support](#)

## Guidance on CLP

The list below contains all the **Guidance Documents** which are available, or will be available, on this website. These documents have been developed with the participation of many stakeholders: Industry, Member States and NGOs. The objective of these documents is to **facilitate the implementation of CLP** by describing good practice on how to fulfil the obligations.

Some of these documents have been or will be translated into official EU languages. You can access the translations from this webpage: use the language menu on the top right corner of the page.

Search all Guidance Documents  
Feedback Form

[Guidance on REACH](#) | **Guidance on CLP** | [Guidance on Biocides legislation](#)

- > [Guidance on the preparation of dossiers for harmonised classification and labelling](#)
- > [Guidance on the Application of the CLP Criteria](#)
- > [Guidance for identification and naming of substances under REACH and CLP](#)
- > [Guidance on labelling and packaging in accordance with Regulation \(EC\) 1272/2008](#)
- > [Introductory Guidance on the CLP Regulation](#)

[Identify your obligations](#)  
[Consultation Procedure](#)  
[Guidance Documents](#)  
[Guidance in a Nutshell](#)  
[Guidance Factsheets](#)  
[Practical Guides](#)  
[Formats](#)  
[Q&As Support](#)  
[Information toolkit](#)  
[Testing methods and alternatives](#)

<http://www.echa.europa.eu/guidance-documents/guidance-on-clp>

# CLP 2015

<http://www.echa.europa.eu/web/guest/press/image-gallery#banners>



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Advanced search >

About Us | Regulations | Addressing Chemicals of Concern | Information on Chemicals | Chemicals in our Life | Support

ECHA > CLP 2015

## CLP 2015

### Review the classification and labelling of your mixtures!

From 1 June 2015, the Classification, Labelling and Packaging (CLP) Regulation will be the only legislation to apply to the classification and labelling of both substances and mixtures. CLP requires companies to classify, label and package their hazardous chemicals appropriately before placing them on the market.

The classification and labelling of hazardous chemicals is based on the Globally Harmonised System, agreed in the UN. Its purpose is to ensure a high level of protection of health and the environment, as well as the free movement of substances, mixtures and articles.

The obligations under the CLP Regulation are similar to the previous EU legislation; however, there are some important differences. An enormous number of products must be re-labelled to comply with CLP, including consumer items such as paints or detergents, as well as industrial mixtures.

#### Get to know the CLP requirements and implement them!

To (re)classify and label your mixtures you can:

- Use the information provided by your supplier in the safety data sheet (SDS)
- Check ECHA's Classification and Labelling Inventory to find out how others have classified and labelled the relevant substances
- Make use of the harmonised classification and labelling for the most hazardous chemicals on the EU market
- Use the classification and labelling information from your suppliers if you refill, repackage or reimport hazardous chemicals into the EU without changing their composition

#### Key information in 23 official EU languages

- The Classification and Labelling Inventory includes translations for the substances with harmonised classification
- ECHA-term gives the opportunity to download the hazard and precautionary statements in 23 official EU languages.
- Web pages on mixture classification offer a stepwise approach to classifying mixtures.

#### Spread the word

Help us to promote awareness of the CLP 2015 deadline for mixtures, by placing the 'CLP 2015 – Act Now!' banner in your email templates. You can download the banner from the image gallery.

[Image gallery](#)

#### Related links

- [CLP leaflet](#)
- [CLP classification](#)
- [Multilingual terminology](#)
- [CLP pictograms](#)
- [C&L Inventory](#)
- [Downstream users](#)
- [CLP Regulation](#)

**CLP 2015: ACT NOW!**

#### News and Events

16 September 2014, Brussels

[CLP Awareness Workshop](#)

[Campaign material](#)

#### Support

- [Mixture classification](#)
- [Questions and answers about CLP](#)
- [Introductory guidance on the CLP regulation](#)
- [Guidance to Labelling and Packaging in accordance with Regulation \(EC\) No 1272/2008](#)
- [Guidance on the application of CLP criteria](#)
- [SMEs](#)

## Questions and Answers

- Questions will still be answered through the Q&A panel
  - You can continue to submit questions until 13:30
  - Panelists will continue to answer your questions until 15:00 Helsinki time (EST, GMT +2) via the Q&A panel (first come, first served)
  - The event will close at 15:00 Helsinki time (EST, GMT +2)

## Questions and Answers

- If by then no answer is provided to your question, please send your question to:
  - Your national helpdesk for questions about mixtures and related obligations and responsibilities under REACH/CLP:  
<http://echa.europa.eu/support/helpdesks/national-helpdesks/list-of-national-helpdesks>
  - The ECHA Helpdesk, for questions about the content of this webinar in particular:  
<http://echa.europa.eu/contact/helpdesk-contact-form>

## Re-run of the webinar on 8 December

Due to the high demand, we will organise a re-run of the webinar on **Monday 8 December (12:00 – 14:00, Helsinki time)**.

- The recording of this webinar will be played and
- You will have the possibility to ask questions to our specialists during this time.

The registration link will soon be published on our website and in the weekly e-News.

<http://echa.europa.eu/support/training-material/webinars>

We thank you for your interest.

## Feedback questionnaire

- Once the event has ended, you will be automatically directed to a post-event questionnaire page.
- Your feedback is important to us and helps us make the content of future webinars more relevant for your needs.
- Please take the time to fill out the questionnaire.



# Thank you

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