Creating and using the UFI

Webinar: using the UFI for your products and mixtures

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Daniel Sompolski

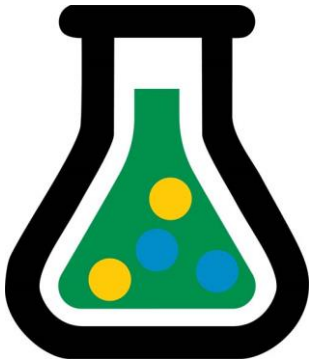
Reminder

- UFI is flexible
- Two fundamental principles

Principle 1

- A UFI is assigned to 1 (and only 1) mixture composition

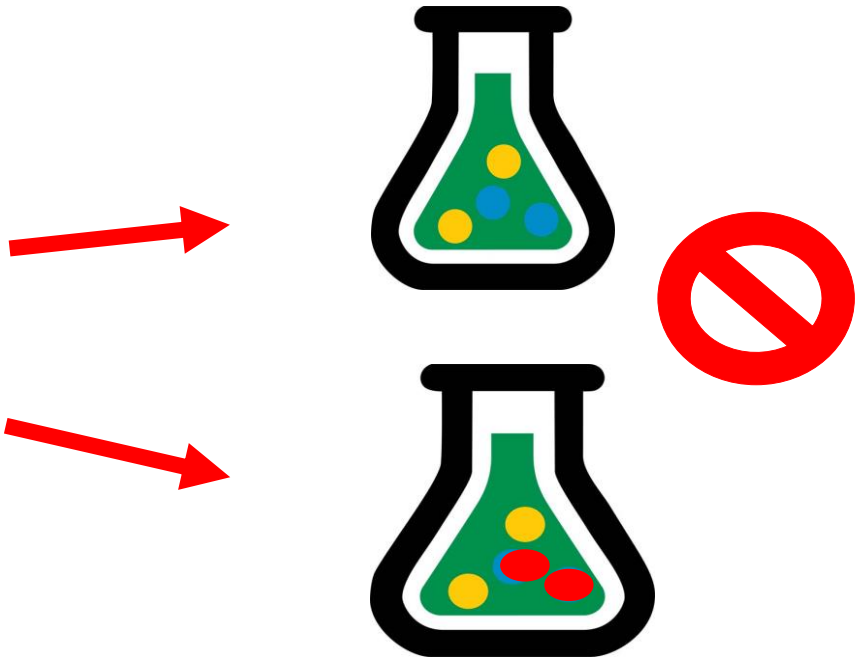
UFI: VDU1-414F-1003-1862



Principle 2

- Same UFI ≠ mixtures of different composition

UFI: VDU1-414F-1003-1862



UFI flexibility

- 1 mixture composition may have multiple UFIs assigned to it

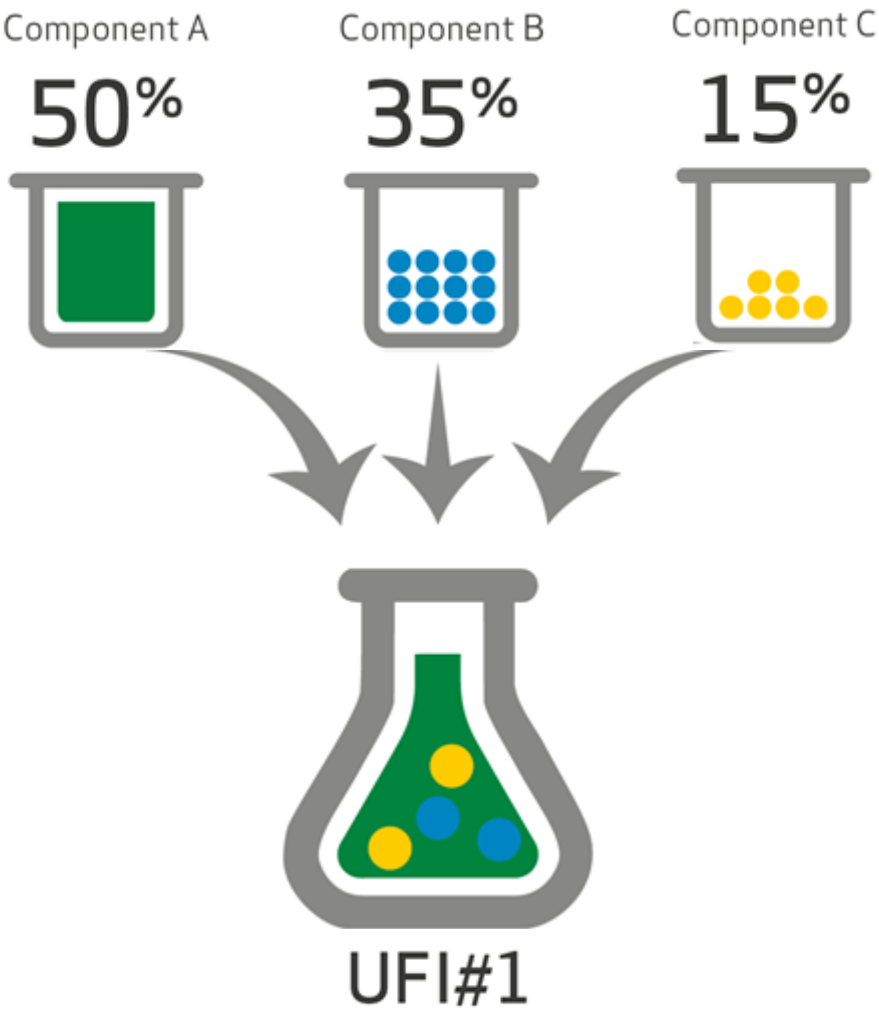
How is the UFI link made?

- Remember, the UFI does not possess information about mixture composition nor can you decode the composition from the UFI that is on the label
- Step 1 - You link UFI to your mixture composition
  - Only you know the link
- Step 2 - You submit information for poison centres about UFI on the label with the composition of the mixture that you assigned it to
  - Only you and poison centres know the link

Mixture composition and UFI (i)
When you know all components

- Declare all components
- Identify them by chemical name and numerical identifier
- Provide exact concentration or concentration ranges for each component
- They should sum up to 100%
- Composition identified by UFI

When you know all components cont…

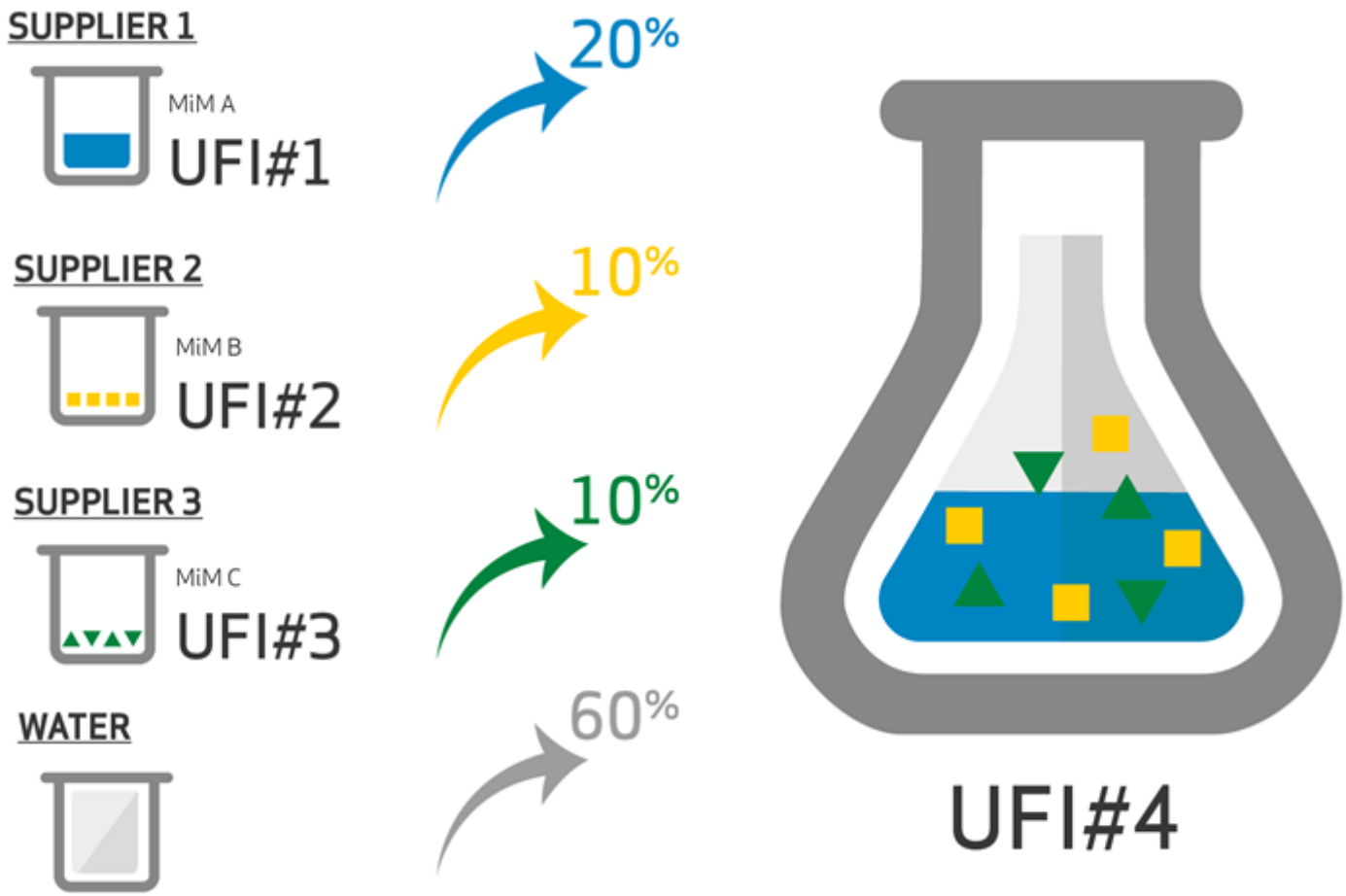


Mixture composition and UFI (ii)
When you have mixtures in mixture (MiM)

- MiM - if suppliers provide composition indirectly – via UFI

- Declare each MiM as a component
- Identify MiMs by UFI
- Provide exact concentration or concentration ranges for each MiM
- They should sum up to 100%
- Give your own UFI for final mixture

Mixtures in mixture (MiM) cont...



Exact concentration vs. ranges – hazardous components of major concern

Table 1

Concentration ranges applicable to hazardous components of major concern for emergency health response (substances or MIM)

Concentration range of the hazardous component contained in the mixture (%)	Maximum width of the concentration range to be used in the submission
≥ 25 - < 100	5 % units
≥ 10 - < 25	3 % units
≥ 1 - < 10	1 % units
≥ 0,1 - < 1	0,3 % units
> 0 - < 0,1	0,1 % units

Hazardous component of major concern:

- Acute toxicity
- Skin corrosion
- Serious eye damage

✓Methanol 30-35%

x Methanol 30-40%

Exact concentration vs. ranges – other hazardous components or non-hazardous

Table 2

Concentration ranges applicable to other hazardous components and components not classified as hazardous (substances or MIM)

Concentration range of the component contained in the mixture (%)	Maximum width of the concentration range to be used in the submission
≥ 25 - < 100	20 % units
≥ 10 - < 25	10 % units
≥ 1 - < 10	3 % units
> 0 - < 1	1 % units

✓Water 30-50%

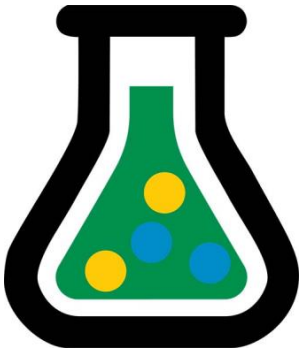
x Water 30-60%

Mixture vs. product

Mixture

Mixture or solution containing chemical components having associated properties:

- Composition
- Tox. properties
- Colour
- pH



Product

Mixture in the form in which it is supplied to the user and defining the other aspects:

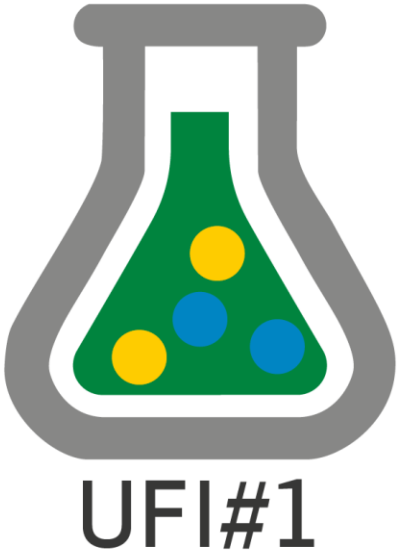
- Trade name
- Packaging
- Labelling
- Product category

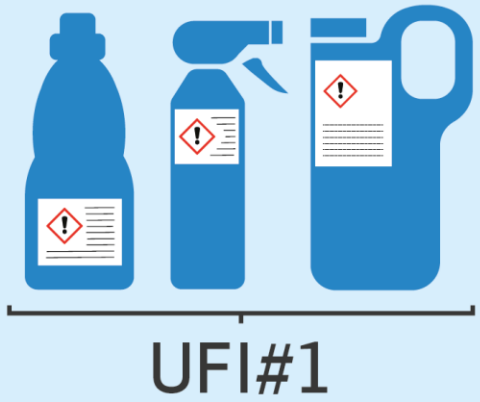
Assigning UFIs

- Mixture-centric approach
- Product-centric approach
- Market-oriented approach
- Language/label-oriented approach
- Other approaches possible as long as principles 1 & 2 respected

Mixture-centric approach

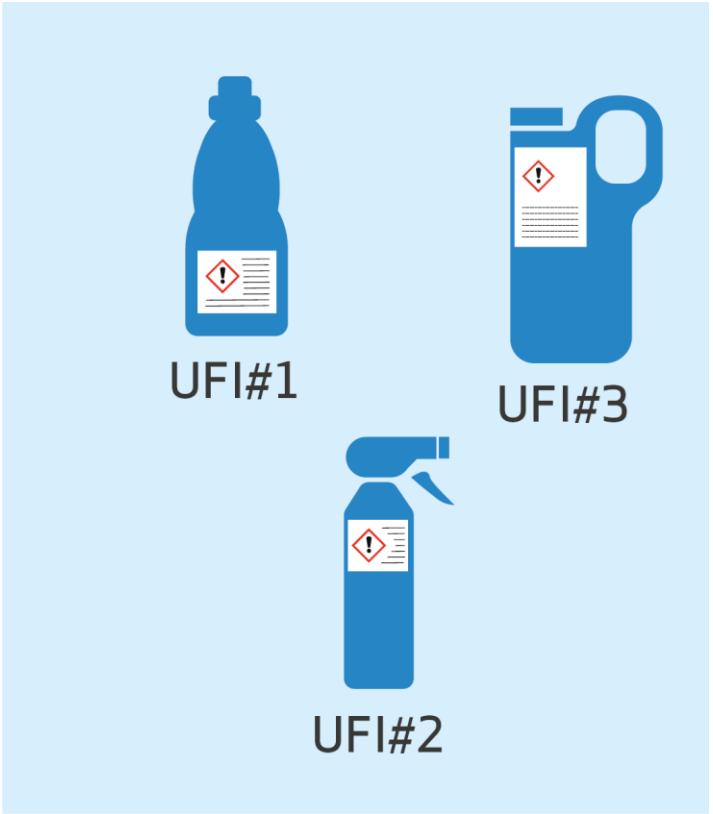
- UFI always per mixture composition, not per product
- All products containing that mixture have the same UFI





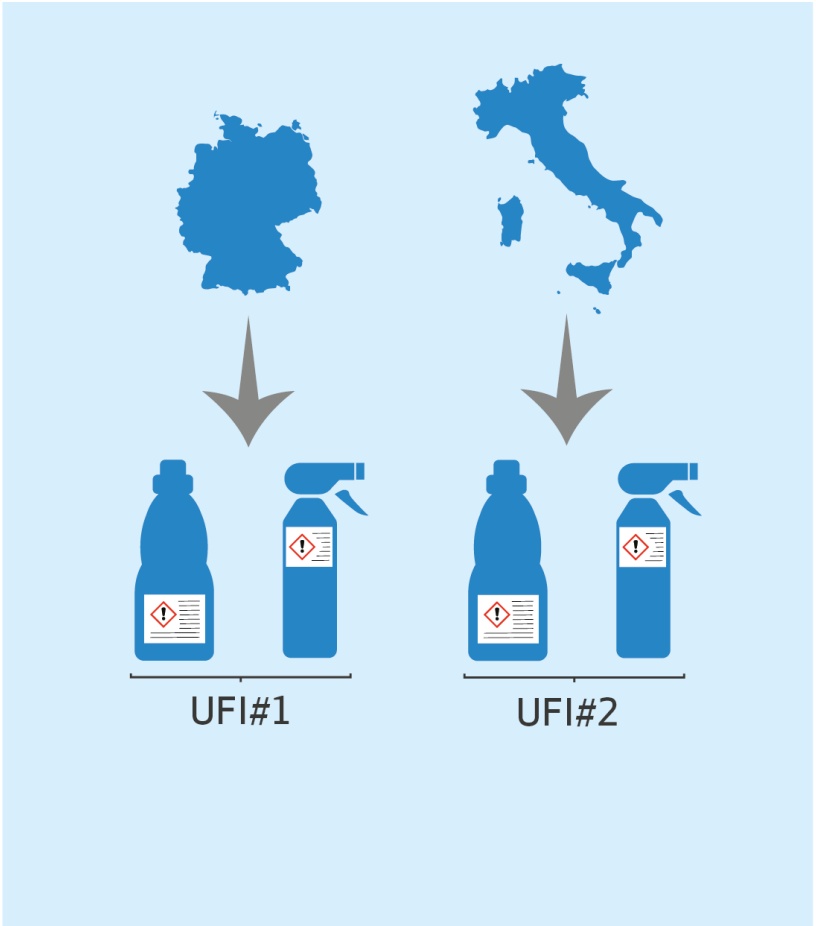
Product-centric approach

- UFI always per product, even if other products have mixture of the same composition
- All products having the same mixture have different UFIs



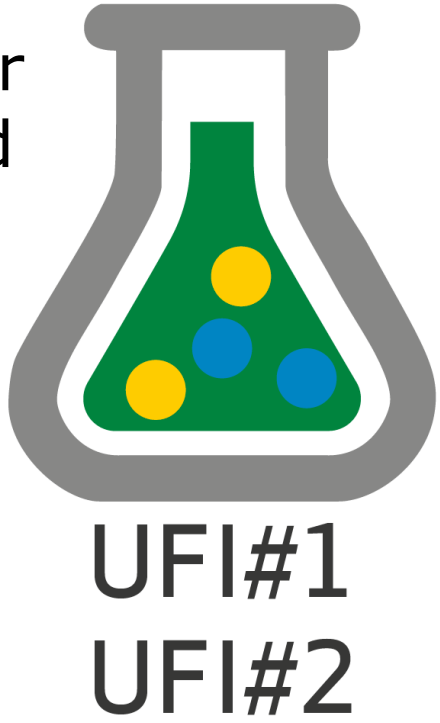
Market-oriented approach

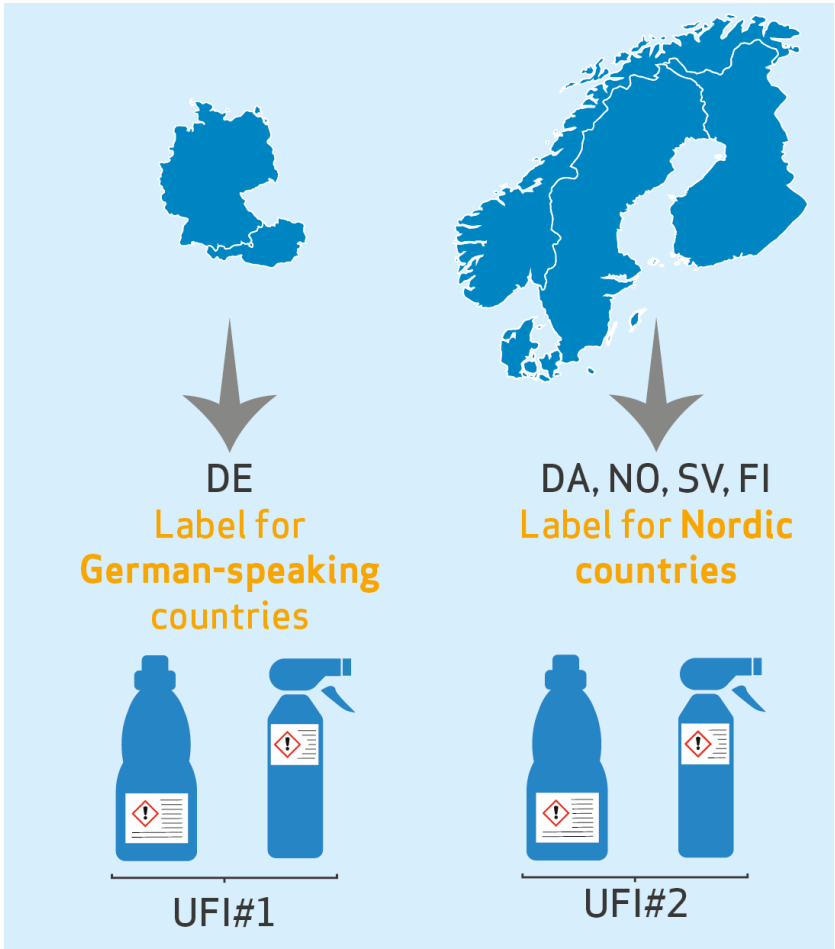
- UFI always per country where product/ mixture is placed on the market



Language/label-oriented approach

- UFI always per language used on label

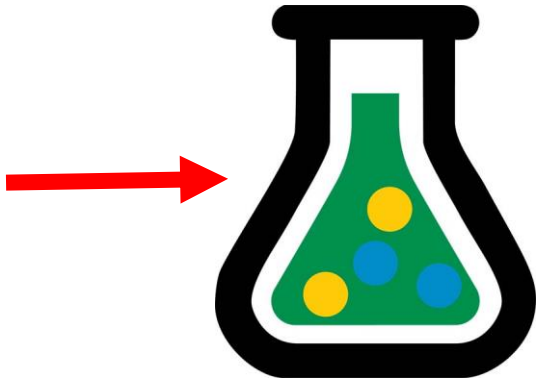




Recap: Assigning UFIs

- Non-exhaustive possibilities to use UFI
- Again, main rules:
  - One UFI = one mixture composition
  - Same UFI ≠ mixtures of different composition

UFI: VDU1-414F-1003-1862

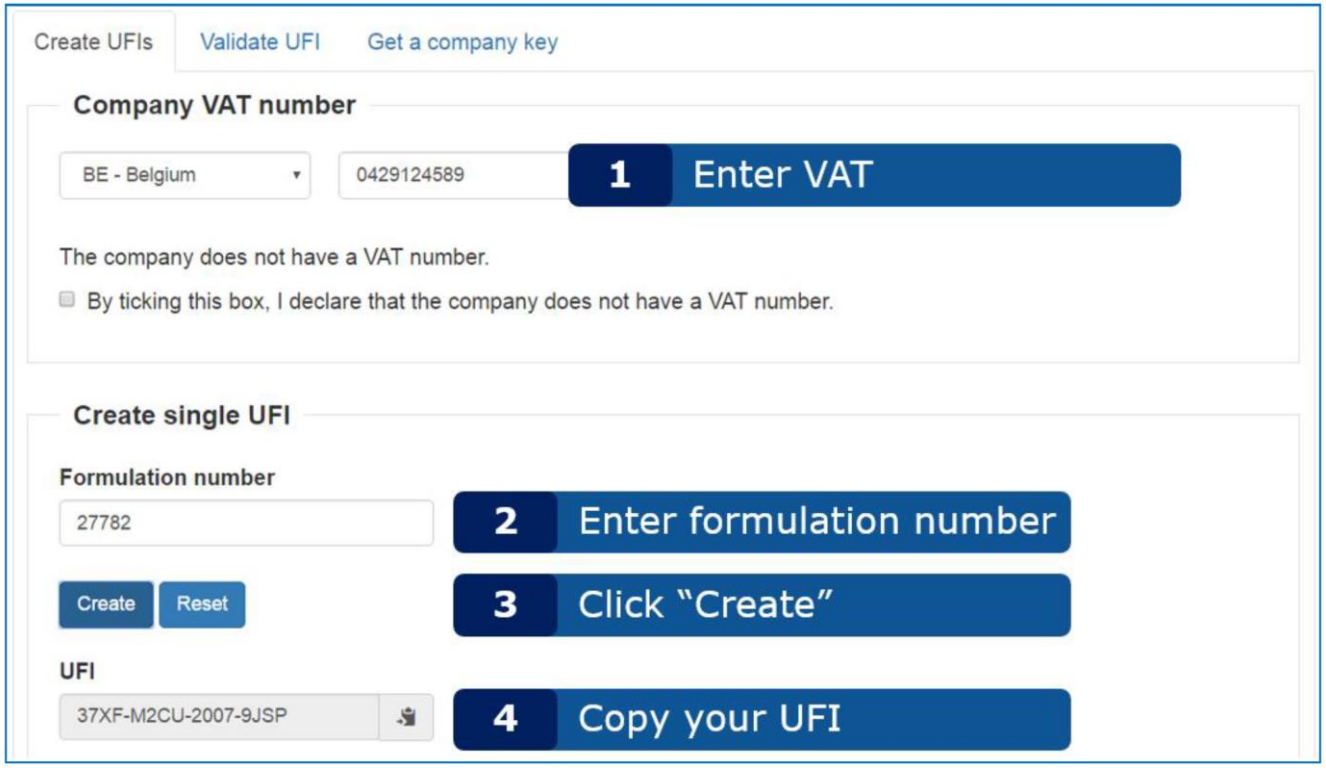


What you need to generate UFI?

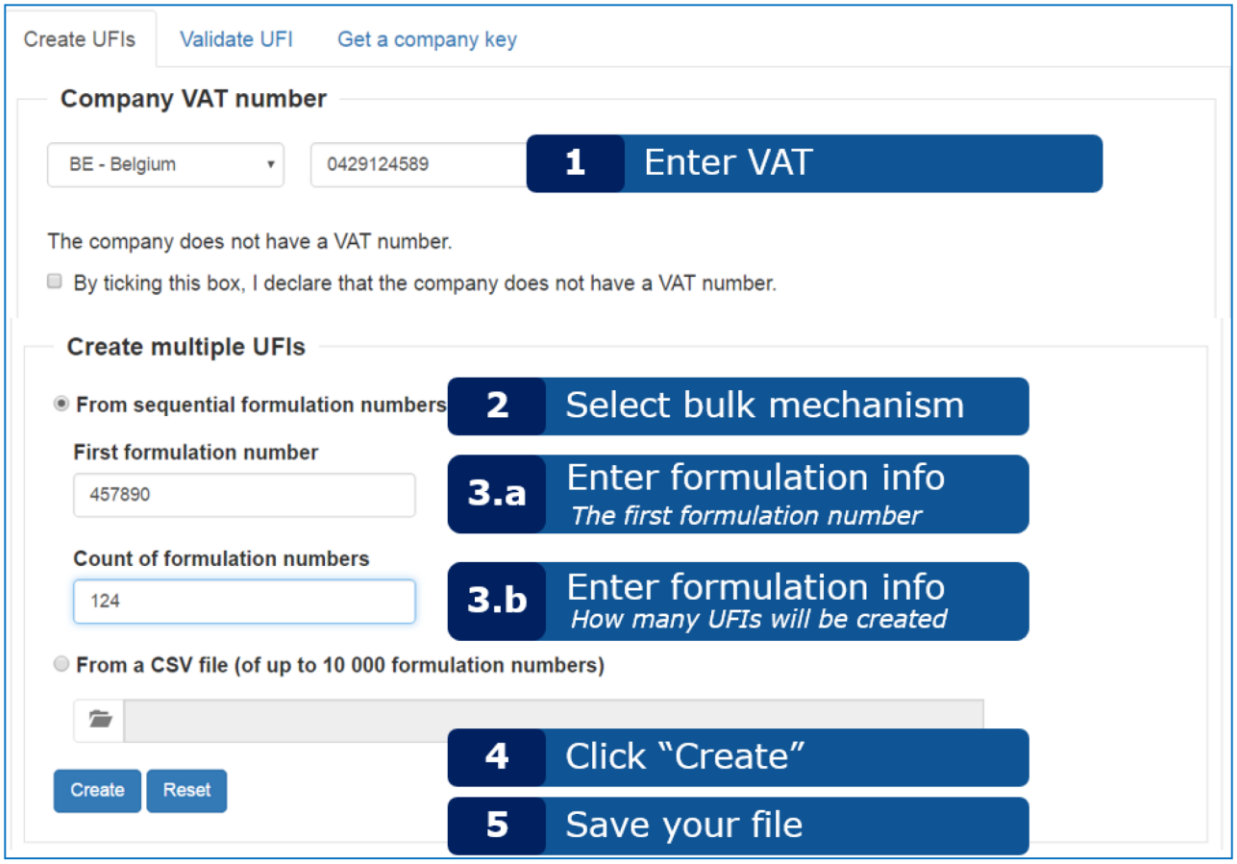
- VAT number of your company
  - If you don’t have VAT, there is an alternative method
- Formulation number
  - A number between 0 and 268 435 455

Single UFI creation

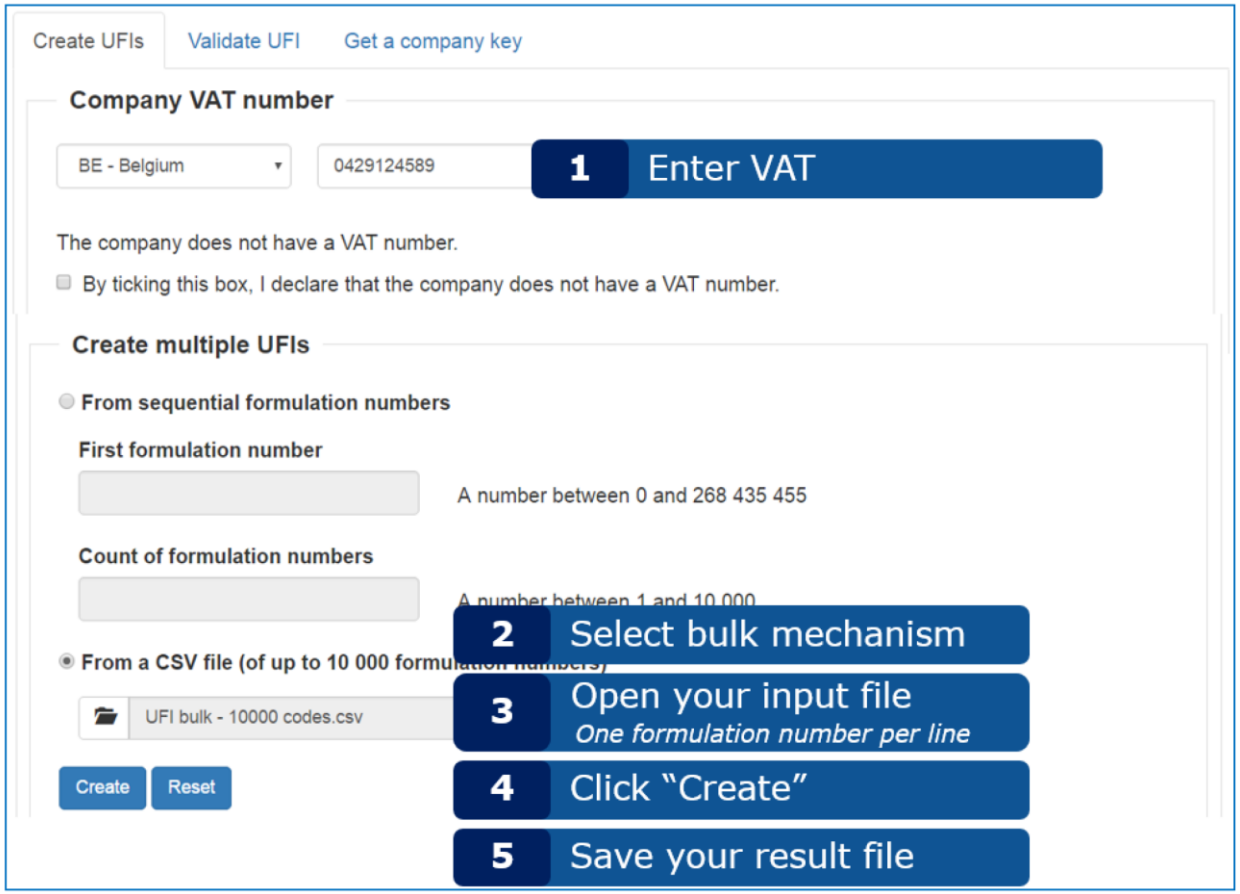
- Launch https://ufi.echa.europa.eu/#/create
- Select the language



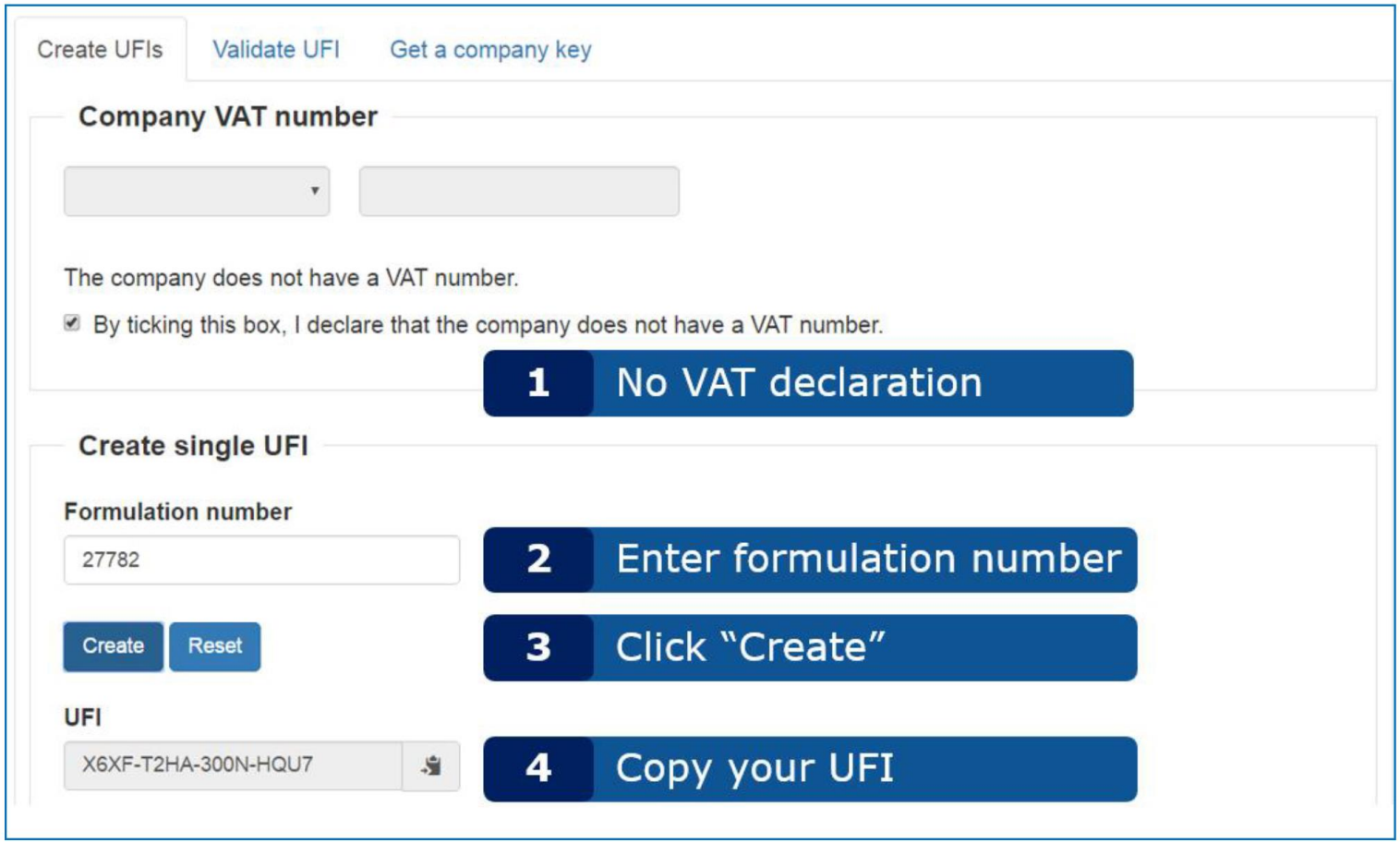
Bulk UFI creation from sequential formulation codes



Bulk UFI creation from non-sequential formulation codes



If you do not have VAT number…

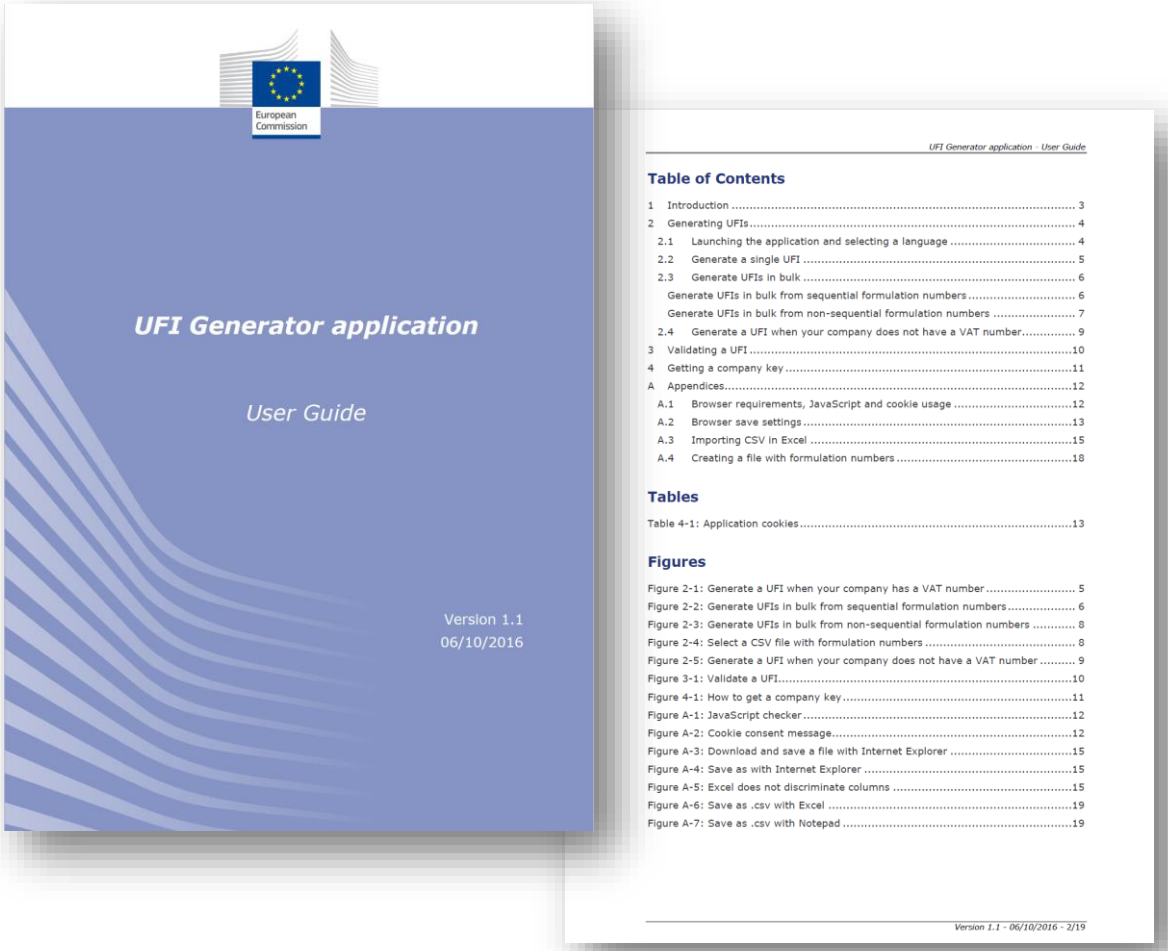


UFI User Guide

Available in all EU languages

Browser requirements

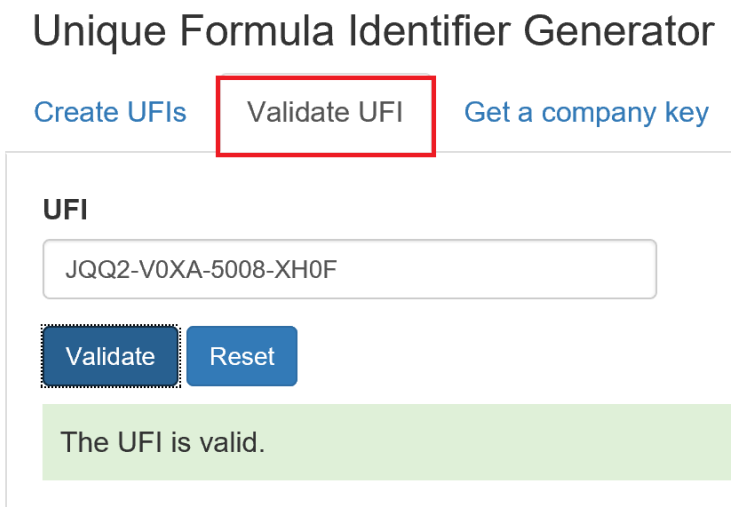
Cookie usage



UFI algorithm

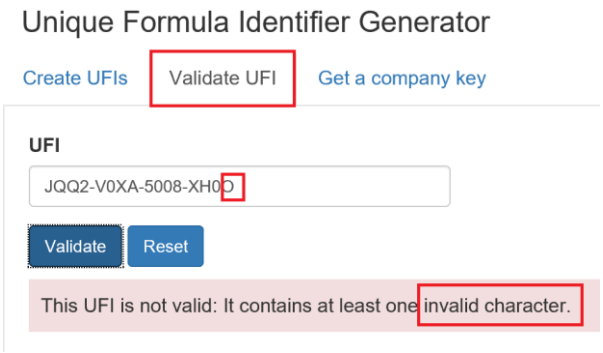
- Even more efficient bulk creation
- Develop your own generator in your company's IT systems
- Consult UFI Developers Manual

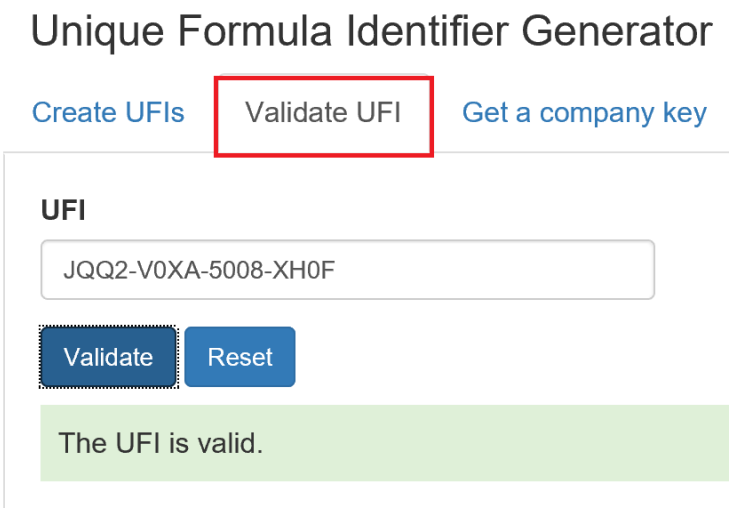
Validating UFIs

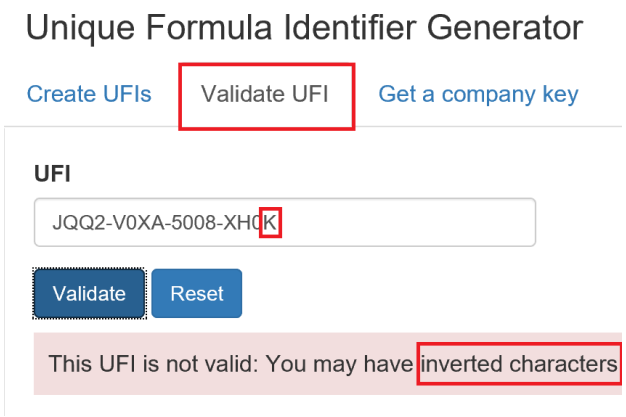


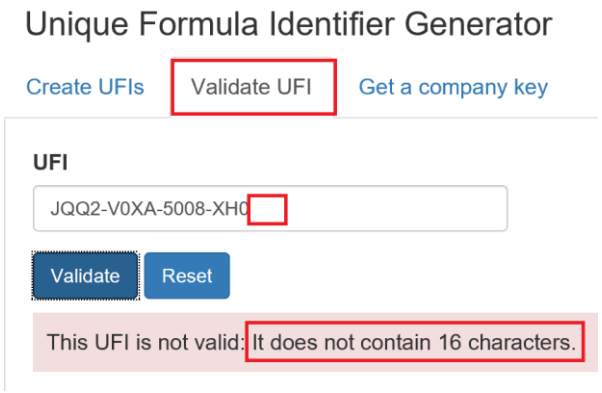
It does not say if the submission has been made

Validating UFIs









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