

The European voice of the adhesive and sealant industry



PU Training Platform for the Safe Use of Diisocyanates

7 October 2022 - 13:00 to 14:30 (CET Brussels)

co-organised by









Proceedings

- Please be advised that this webinar will be recorded. By joining, you are consenting to the recording
- Note that you will be muted and your camera will be turned off automatically upon entry
- During the Q&A session following the presentations, you will be able to use the chat box to ask questions
- In case we don't have sufficient time during the Q&A session to address your question,
 please feel free to send your question to
 - info@feica.eu
 - secretariat@cepe.org
 - info@efcc.be
 - main@isopa.org
- The presentation slides and recording will be sent to all webinar registrants



Speakers - Moderators



Ms Paula Diaz (FEICA)
Senior Manager Regulatory Affairs



Dr Luc Turkenburg (CEPE) Regulatory Consultant



Mr Didier Leroy (CEPE)
Technical & Regulatory Affairs Director



Dr. Ing. Johan Breukelaar (EFCC)
Director General



Mr Martin Gloeckner (Deutsche Bauchemie)

Director



Mr Frank Van Elten (ISOPA/ALIPA)
Project Manager PU Training
Platform



Agenda

13:00	Introduction, by Ms Paula Diaz, Senior Regulatory Affairs Manager at FEICA
13:10	'The REACH restriction on diisocyanates', by Mr Didier Leroy, Technical & Regulatory Affairs Director at CEPE
13:20	'Requirements for users', by Ms Paula Diaz, Senior Regulatory Affairs Manager at FEIC
13:30	'PU Training Platform', by Mr Martin Gloeckner, Director at Deutsche Bauchemie; Dr Luc Turkenburg, Regulatory Consultant at CEPE; Dr. Ing. Johan Breukelaar, Director General at EFCC
14:00	'General practicalities', by Mr Frank Van Elten, Project Manager PU Training Platform at ISOPA/ALIPA
14:10	Q&A
14:30	Close of the webinar



Agenda

13:00	Introduction, by Ms Paula Diaz, Senior Regulatory Affairs Manager at FEICA
13:10	'The REACH restriction on diisocyanates', by Mr Didier Leroy, Technical & Regulatory Affairs Director at CEPE
13:20	'Requirements for users', by Ms Paula Diaz, Senior Regulatory Affairs Manager at FEIC
13:30	'PU Training Platform', by Mr Martin Gloeckner, Director at Deutsche Bauchemie; Dr Luc Turkenburg, Regulatory Consultant at CEPE; Dr. Ing. Johan Breukelaar, Director General at EFCC
14:00	'General practicalities', by Mr Frank Van Elten, Project Manager PU Training Platform at ISOPA/ALIPA
14:10	Q&A
14:30	Close of the webinar





Use of diisocyanates by our industry

- Diisocyanates are raw materials used to produce PU adhesives and sealants, coatings and other construction chemicals
- They are used in a wide variety of applications, such as construction, packaging, automotive, furniture, engineering, transportation and many more, as a result of the performance advantages they bring.









- > Competitive technologies have not been found to reproduce PU properties in most articles
- > PU products are versatile, innovative and safe

The risk to develop asthma due to PU exposure

- The PU technology brings a lot of benefits but in order to be effective, this chemistry is, by definition, reactive.
- PU products before they harden can also react on Human body and cause respiratory sensitization when exposed to unacceptable levels. Once PU has cured there is no more risk of sensitization.
- Asthma is potentially a serious medical condition that must be avoided. Once someone has been sensitized he/she must stop working with these products. This can therefore be very important for your profession.
- It is possible to prevent it by respecting specific conditions of use and, where necessary, get adequate protection.
- This explains that Europe has decided that industrial and professional workers must be properly trained before using these products.



The diisocyanates restriction

The **REACH (EU Chemical Legislation) restriction on diisocyanates** was published in the Official Journal of the European Union on 4 August 2020.

- Addressed to industrial and professional uses
- Targeted at avoiding the unsafe handling of diisocyanates, not at restricting product availability
- PU adhesives and sealants will remain widely available

The restriction establishes the following requirements:

- 1. Information provision
- 2. Labelling
- 3. Safety training



1 > Information provision

- The diisocyanates restriction establishes that suppliers should provide endusers with information about the training on the safe use of diisocyanates
- Suppliers should also make the training available for users
- However, detailed instructions about how suppliers must provide end-users with such information is not specified in the restriction text

2 > Mandatory labelling

Since 24 February 2022, diisocyanates-containing products intended to be used in industrial or professional settings, with a total monomeric diisocyanate concentration greater than 0.1 % shall include the following phrase on their packaging:

'As of 24 August 2023, adequate training is required before industrial or professional use of this product.'

This sentence should be visibly distinct from the rest of the label information.



3 > Training requirements - Timing



- After 24 August 2023, an employer or self-employed person has to ensure that:
 - Industrial or professional user(s) and supervisors of these tasks,
 - Have successfully completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture(s)
 - containing a concentration of diisocyanates > 0.1% by weight
- Products mention this on the label since 24 February 2022
 to allow companies the time to organise appropriate training



3 > Training requirements - Implementation

- The Training includes instructions to control:
 - Dermal and inhalation exposure at the workplace
- The Training is to be implemented irrespective of:
 - Any national Occupational Exposure Limit (OEL) value, or
 - Other appropriate risk management measures at national level
- A certificate is provided to document the successful completion of the training
- Training remains subject to any national provisions and requirements, if applicable

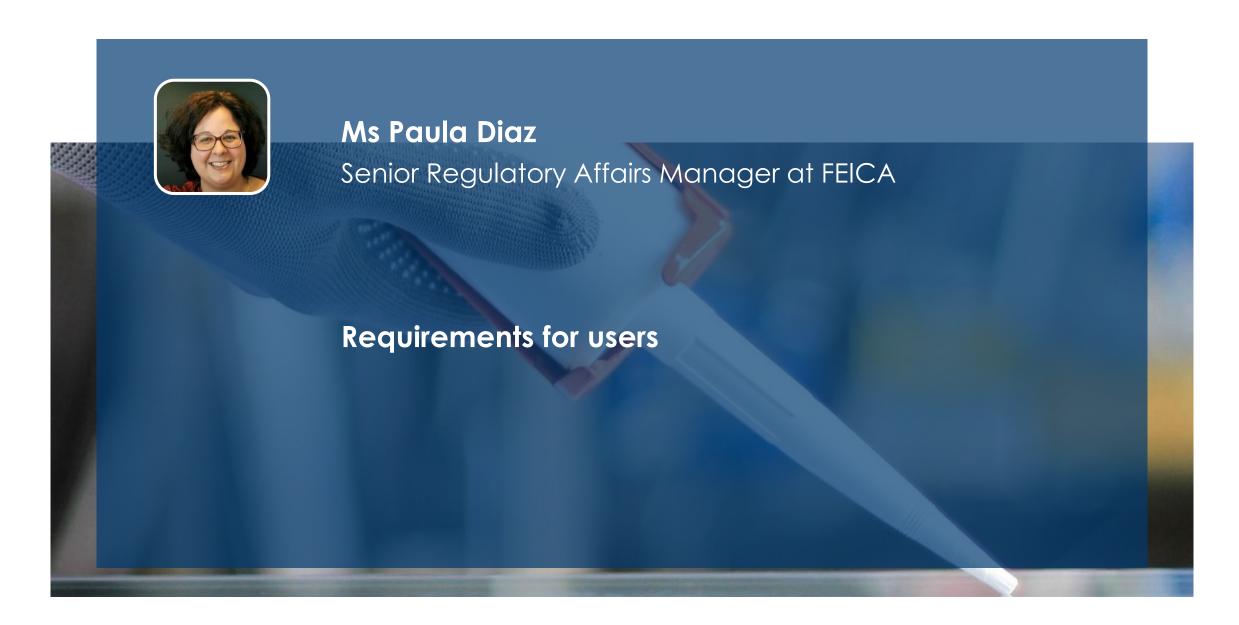


3 > Training requirements - Training Material

- The supplier must ensure that training material is provided
- Training should consider the specificity of the products supplied
- Training is required in the official languages of the Member States where the substances or mixtures are supplied
- The restriction also mentions the option of on-line training
- Training is to be renewed every 5 years

Agenda

13:00	Introduction, by Ms Paula Diaz, Senior Regulatory Affairs Manager at FEICA
13:10	'The REACH restriction on diisocyanates', by Mr Didier Leroy, Technical & Regulatory Affairs Director at CEPE
13:20	'Requirements for users', by Ms Paula Diaz, Senior Regulatory Affairs Manager at FEICA
13:30	'PU Training Platform', by Mr Martin Gloeckner, Director at Deutsche Bauchemie; Dr Luc Turkenburg, Regulatory Consultant at CEPE; Dr. Ing. Johan Breukelaar, Director General at EFCC
14:00	'General practicalities', by Mr Frank Van Elten, Project Manager PU Training Platform at ISOPA/ALIPA
14:10	Q&A
14:30	Close of the webinar



The diisocyanates restriction



The industrial and professional use of products containing diisocyanates has been restricted under the **REACH Regulation**



The aim of the restriction is to protect industrial and professional workers from the risks of respiratory and dermal sensititation potentially cause by diisocyanates



The restriction will not affect products' availability - Products are not banned



Diisocyanates containing products remain widely available to end users



Different requirements for different actors

The diisocyanates restriction establishes requirements for the following actors in the supply chain:

- Companies placing on the market diisocyanates and diisocyanates containing products
- 2. Industrial and professional users handling diisocyanates containing products

- Today we will focus on the requirements for industrial and professional users
- In particular, the users of adhesives, sealants, coatings and construction chemicals



Using diisocyanates and diisocyanates containing products

- Persons handling diisocyanates and their supervisors must be properly trained on the safe use of diisocyanates containing products
- Requirements only apply to products with a total monomeric diisocyanate concentration greater than 0.1 %:
- Check the product's label

'As of 24 August 2023, adequate training is required before industrial or professional use of this product.'

 The PU Training Platform, available in 6 languages, can be accessed here: www.safeusediisocyanates.eu

Agenda

13:00 Introduction, by Ms Paula Diaz, Senior Regulatory Affairs Manager at FEICA 13:10 'The REACH restriction on diisocyanates', by Mr Didier Leroy, Technical & Regulatory Affairs Director at CFPF 13:20 'Requirements for users', by Ms Paula Diaz, Senior Regulatory Affairs Manager at FEICA 13:30 'PU Training Platform', by Mr Martin Gloeckner, Director at Deutsche Bauchemie; Dr Luc Turkenburg, Regulatory Consultant at CEPE; Dr. Ing. Johan Breukelaar, Director General at EFCC 14:00 'General practicalities', by Mr Frank Van Elten, Project Manager PU Training Platform at ISOPA/ALIPA 14:10 Q&A Close of the webinar 14:30







Director



Regulatory Consultant



Director General

PU Training Platform





The FEICA PU training modules

How to find your training for the use of adhesives and sealants



How to find your training, FEICA (A&S) specific training

FEICA training modules for users of sealants and adhesives*

Professional uses of sealants and adhesives

- Professional uses in the construction sector
- Other professional uses

Industrial uses of sealants and adhesives

^{*} training modules for the *Production of adhesives and sealants* are available but not part of this webinar



Professional uses of sealants and adhesives

Professional uses in the construction sector

- 048 Professional Application / Small packaging at ambient temperature (duration approx. 30 minutes)
 - One-component PU foams
 - Joint sealants
- 049 Professional application / Flooring and waterproofing applications (duration approx. 35 minutes), (includes Module 048)
 - Flooring adhesives
 - Flooring coatings
 - Large scale liquid-applied waterproofing
- 050 Professional application / High Pressure Injection Resins (duration approx. 35 minutes), (includes Module 048)
 - Crack injection resins



Professional uses of sealants and adhesives

Other professional uses

 048 Professional Application of adhesives and sealants / Small packaging at ambient temperature

(duration approx. 30 minutes)

- Carpentry
- Other professional application at ambient temperature
- 051 Small packaging at ambient temperature (duration approx. 30 minutes)
 - Car and vehicle repair



Industrial uses of sealants and adhesives

 051 Industrial Application of adhesives and sealants / Small packaging at ambient temperature

(duration approx. 30 minutes)

- Industrial plants and factories
- 052 Industrial Application of adhesives and sealants at room temperature (duration approx. 60 minutes)
 - Industrial bonding at ambient temperature without spraying
 - For any other industrial use of adhesives and sealants
- 053 Industrial Applications of adhesives and sealants / Process steps above 45°C, spraying or lamination speeds above 100 m/min

(duration approx. 65 minutes), (includes Module 052)

- Uses at high temperatures (above 45 °C)
- High speed and or spraying applications



Industrial uses of sealants and adhesives

- 054 Industrial application of adhesives and sealants
 - Maintenance and Repair of equipment (duration approx. 60 minutes)
 - Maintenance or repair of machines used for the industrial application of adhesives

Examples of dedicated training – professional use



Gap Filling – OCF T-048



Joint Sealants T-048



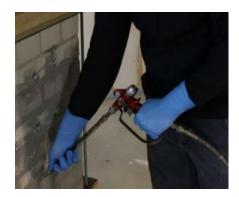
Floor Adhesives T-049



Floor or Roof Coating T-049



Wood Working T-048



Injection Resins T-050



Construction Adhesives T-048



Plumbing T-048



Furniture T-048



Vehicle Repair T-048



Examples of dedicated training – industrial use



Industrial Bonding T-052*



Automotive Production T-052*



Automotive Finishing T-051



Wood Industry T-052*



Crosslinkers for Dispersions T-052*



Sandwich Panels T-052*



Transfer Moulding T-052*



Wood-Steel Bonding T-052*



High Speed Lamination T-0.53



Hotmelts T-053



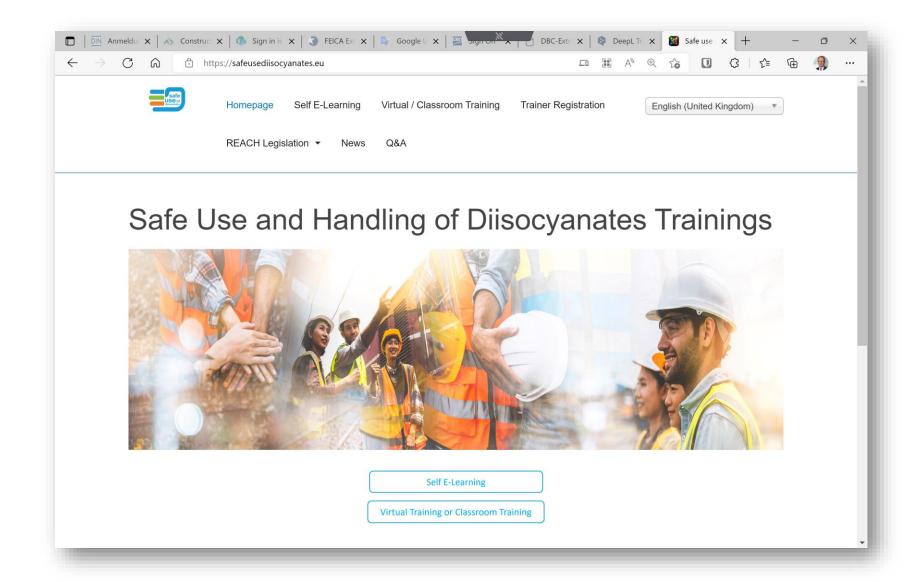


How to find the training modules on the online training platform

FEICA Training
Modules 048 to 054



Go to Safe use of Diisocyanates - Homepage (safeusediisocyanates.eu)



Klick on "Self E-Learning"



Klick on "Book a Web based Training"



Self E-Learning

Book a Self E-Learning

A Web Based Training is a self learning course that you can take at any time. In our courses you will find specific content for your application field. Our selection page will direct you to the trainings: Book a Web based Training (Self E-learning at 5,-€ per training incl certificate)

Register multiple Persons for Self E-Learning

You have a group of trainees, that you would like to register for a Self-E-Learning. For this you can uploaded a group of trainees to the platform book and pay the Self-E-Learning for them: More about Administrative Users

Buy Vouchers for your Employees or Customers

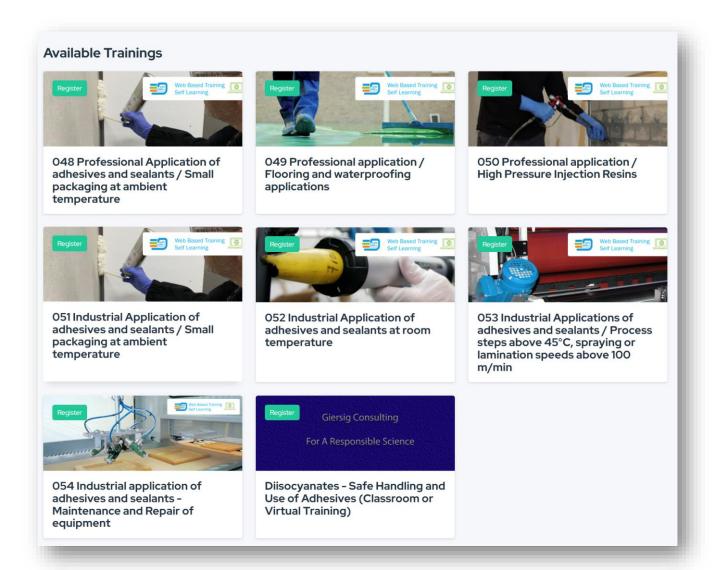
You want to support your customers or give your employees easy access to trainings. For this you can buy vouchers and use these register individual or for groups of trainees. Please contact us if you are interested:

Order Vouchers

Select "Adhesives and Sealants"

Application Sectors Adhesives and Sealants General Training Coatings **Elastomers and Fibers Rigid Insulation Foams** (Semi-) flexible Foams **Wood and Foundry** Other Uses

Select from the FEICA Training modules 048 to 054 the module(s) which is/are relevant for your specific application(s)



FEICA training is free of charge

FEICA offers the training for end-users of sealants and adhesives free of charge

- On the website below you will find the FEICA Voucher Code FEICA_21_G
- With the FEICA Voucher Code FEICA_21_G users of sealants and adhesives can attend the FEICA E-Learning Training modules free of charge

- For more information on the REACH restriction on diisocyanates, please visit
 the following FEICA website
 https://www.feica.eu/our-projects/safe-use-diisocyanates
- Specific information about the training Platform is availabe via https://www.feica.eu/PUinfo





The CEPE PU training modules

How to find your training for the use of coatings



The CEPE PU training courses

- For the users of coatings and paints, several training courses were developed.
- The choice you make depends on the uses of the products for which you need this training.
- The training courses consist of the "general training" and the application specific training. So choose the right one and you only have to do one course.
- You can do:
 - A face to face classroom training
 - A virtual classroom training, or
 - A self E-learning Web based training
- We concentrate here on the last option.

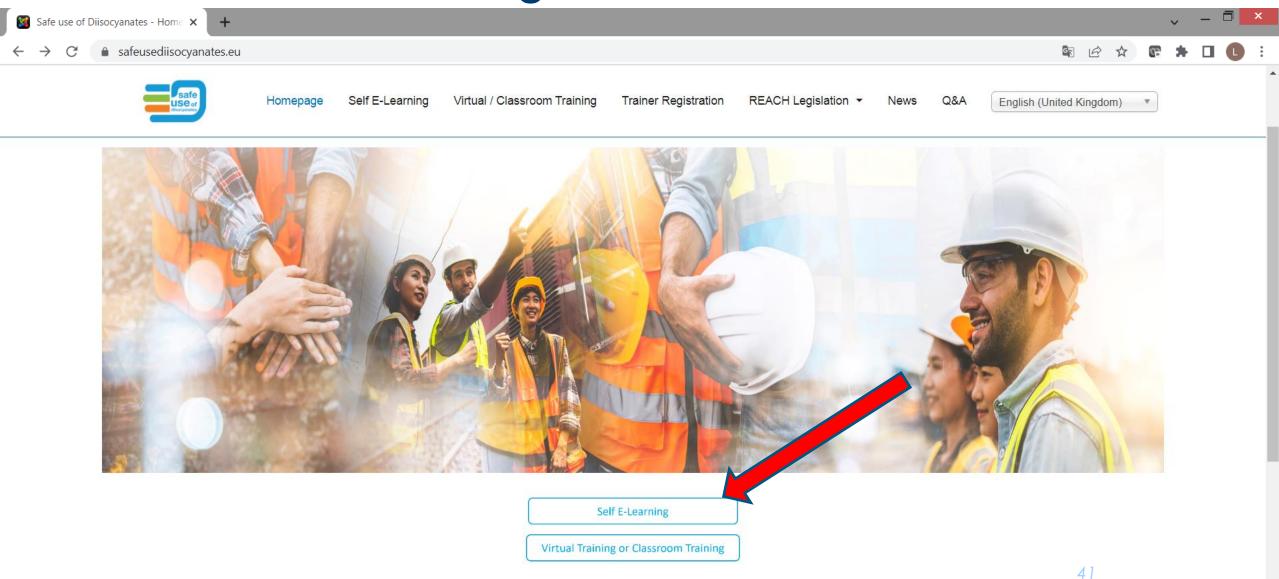


The CEPE PU training courses

The coming slides show you how to get there

1. Go to "safeusediisocyanates.eu"

2. Select "Self E-learning"



3. "Book a Web based Training"



Homepage

Self E-Learning

Virtual / Classroom Training

Trainer Registration

REACH Legislation ¬

lews

Q&A

English (United Kingdom)



Self E-Learning

Book a Self E-Learning

A Web Based Training is a self learning course that you take at any time. In our courses you will find specific content for your application field. Our selection page will direct you to the trainings: Book a Web based Training (Self E-learning at 5,-€ per training incl certificate) You have already booked a training and want to open the training: back to your training.

Register multiple Persons for Self E-Learning

You have a group of trainees, that you would like to register for a Self-E-Learning. For this you can uploaded a group of trainees to the platform book and pay the Self-E-Learning for them: More about Administrative Users. You already have an Admin user: open your admin account.

Buy Vouchers for your Employees or Customers

You want to support your customers or give your employees easy access to trainings. For this you can buy vouchers and use these register individual or for groups of trainees. Please contact us if you are interested: Order Vouchers

4. Select "Coatings"

Application Sectors



















Coatings

Here you can find trainings for workers who apply:

- Coatings by brush or roller
- Coatings by dipping or pouring
- Spray-coat in a ventilated booth
- Spray-coat outside a ventilated booth
- Diisocyanates containing inks in print shops

These training also cover Polyurea applications.



Choices to make

Available Trainings





023 Painting with a brush and roller

019 Spraying paint in a ventilated booth

034 Spraying paint outside

At this stage you need to make your choice for the training course you will take. Some courses are built up from several sub-courses to give the best fit for a certain use of products.

Some courses may have names which look almost the same, but they can cover additional aspects (e.g. on industrial uses), which make them lengthier to cover other aspects of working in an industrial environment (e.g. a factory)

Choices to make

Therefore we advise for professional users of 2 component polyurethane paints to select:

- T023: Painting with a brush and roller
- T019: Spraying paint in a ventilated booth, or
- T034: Spraying paint outside

There is a sequence in the depth of the training. Besides the general part of the training, the first one focuses specifically on the prevention of skin contact.

The second one adds the protection against the inhalation of vapours and spray mist.

And in the third one, we added a safety assessment of the working environment. That is why the courses differ somewhat in length.





The European voice of the adhesive and sealant industry



Construction chemicals







The following modules are advised for professional users of **construction chemicals** containing di-isocyanates:

- Module 005 for brushing and rolling, open mixture handling, cleaning and waste
- Module 007 for dipping or pouring, open mixture handling, cleaning and waste
- Module 024 for application by dipping or pouring, open handling of hot or warm chemical formulations (≥ 40°C), cleaning and waste
- Module 049 for application of products in the construction sector polyurethane adhesives, floor adhesives and coatings as well as waterproofing (except spray application)
- Module 050 for injection resins (cracks in concrete or rocks)

Please note that trainings for **construction chemicals** can be found in sections named: coatings or adhesives and sealants.







The costs for registration to one on-line training course will be **free** for customers of EFCC member companies or member companies of EFCC member federations.

Please consult with your supplier to obtain an **EFCC voucher** to get access to the ISOPA online training modules that are relevant for construction chemicals (EFCC).



European Federation for Construction Chemicals

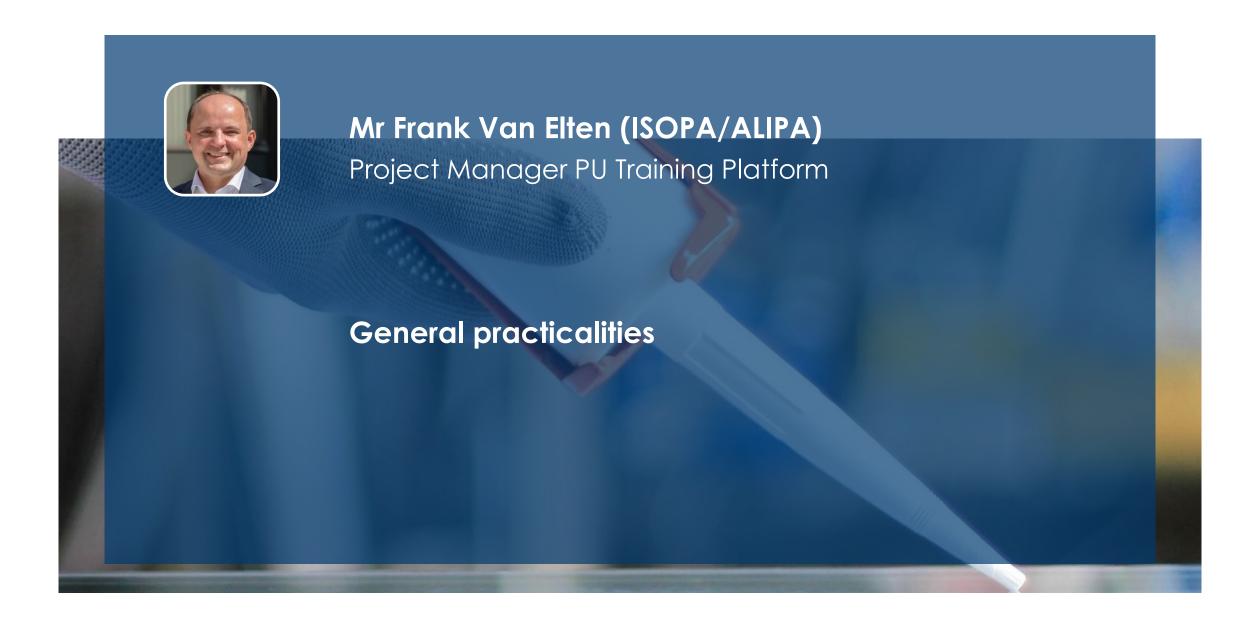
The voice of construction chemicals in Brussels



Agenda

13:00	Introduction, by Ms Paula Diaz, Senior Regulatory Affairs Manager at FEICA
13:10	'The REACH restriction on diisocyanates', by Mr Didier Leroy, Technical & Regulatory Affairs Director at CEPE
13:20	'Requirements for users', by Ms Paula Diaz, Senior Regulatory Affairs Manager at FEICA
13:30	'PU Training Platform', by Mr Martin Gloeckner, Director at Deutsche Bauchemie; Mr Luc Turkenburg, Regulatory Consultant at CEPE; Dr. Ing. Johan Breukelaar, Director General at EFCC
14:00	'General practicalities', by Mr Frank Van Elten, Project Manager PU Training Platform at ISOPA/ALIPA
14:10	Q&A
14:30	Close of the webinar







The European voice of the adhesive and sealant industry







Digital Training Plattform

Frank van Elten



Agenda

- The Digital Training Platform
- Training Formats
- Available Content
- Demo
- Stake Holders
- Languages
- Quiz & Certification





Training Page



Homepage

Self E-Learning

Virtual / Classroom Training

Trainer Registration

REACH Legislation *

News

English (United Kingdom)



Safe Use and Handling of Diisocyanates Trainings



Self E-Learning

Virtual Training or Classroom Training





Training Formats







Web Based Training

Self E-Learning no trainer

Face to Face Classroom conducted by

a trainer

Virtual Classroom

conducted online by a trainer



Training Catalog



Safe Use of Dilsocyanates · Training Selection

Please select your training:

The new REACH restriction requires that workers handling diisocyanates complete trainings depending on their uses. The regulation defines 3 level of trainings, Basic Training (Level I), Intermediate Training (Level II) and Advanced Training (Level III). This page helps you to select the right training course.

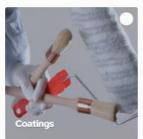
Hint: If you chose the general training only, please be aware that the intermediate and advanced training mentioned in the REACH restriction Annex XVIII entry 74 is not included. All other application sectors include the general training already and there is no need to choose the general training additionally.

To register a group of trainees please use our Admin Account.

Application Sectors





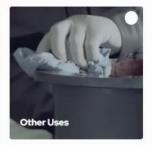














Available Trainings



048 Professional Application of adhesives and sealants / Small packaging at ambient temperature



O49 Professional application / Flooring and waterproofing applications



ation / 050 Professional application / Fing High Pressure Injection Resins



051 Industrial Application of adhesives and sealants / Small packaging at ambient temperature



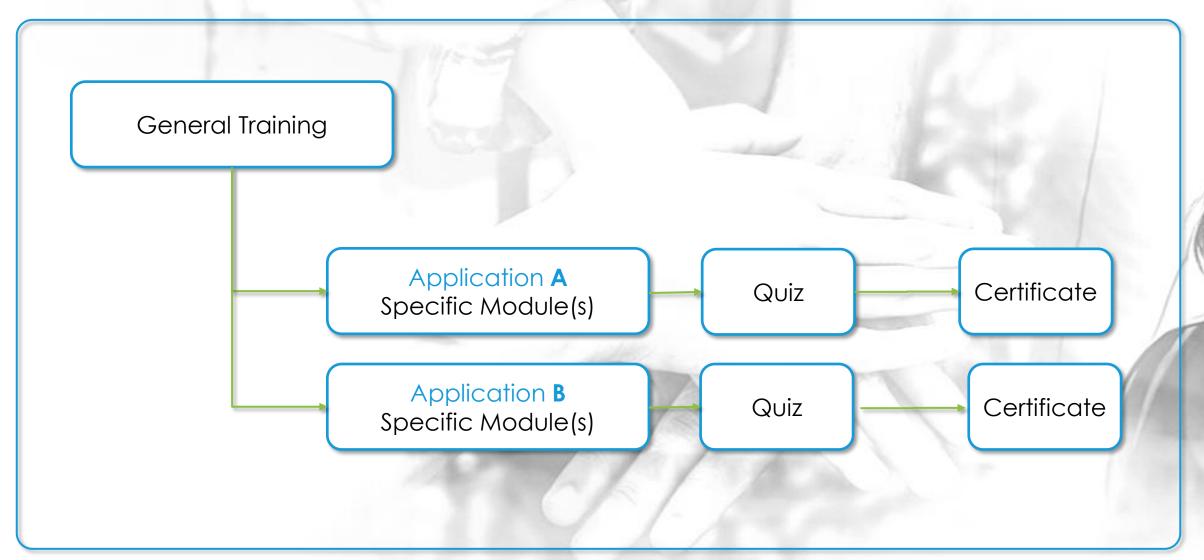
O52 Industrial Application of adhesives and sealants at room temperature



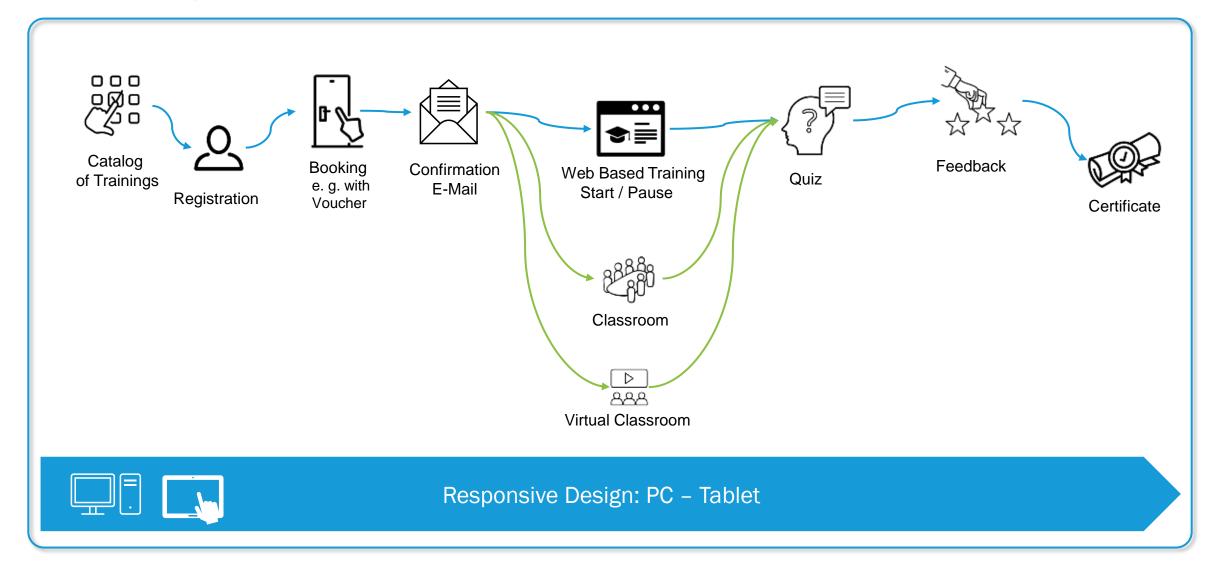
053 Industrial Applications of adhesives and sealants / Process steps above 45°C, spraying or lamination speeds above 100 m/min



Structure of Content



Learning Journey





Trainees

 Book Trainings (Self E-Learning, Classroom, Virtual Classroom

Admin User

Register groups for training

Inhouse Trainers

 Manage and conduct trainings for employees, customers or members

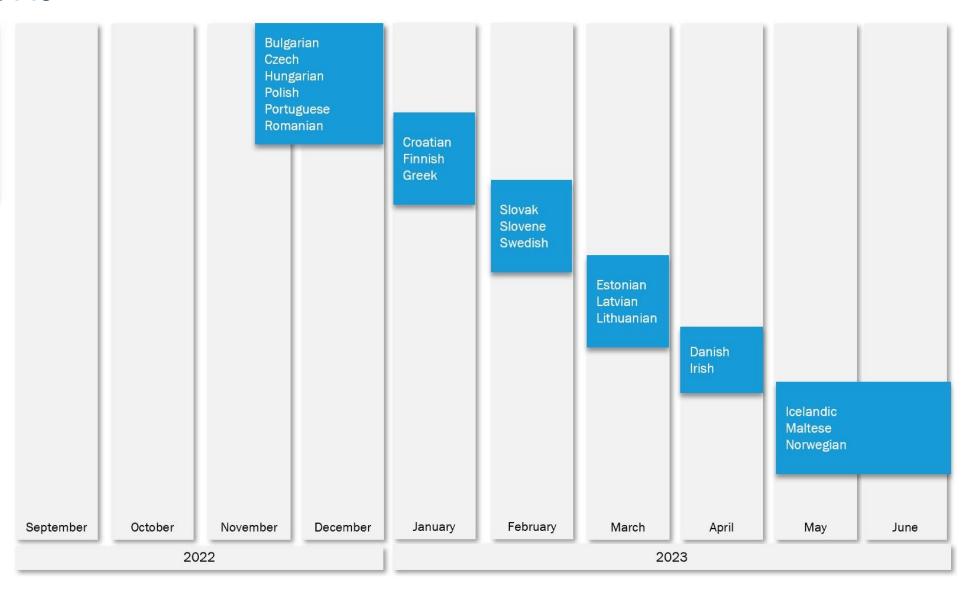


Translations

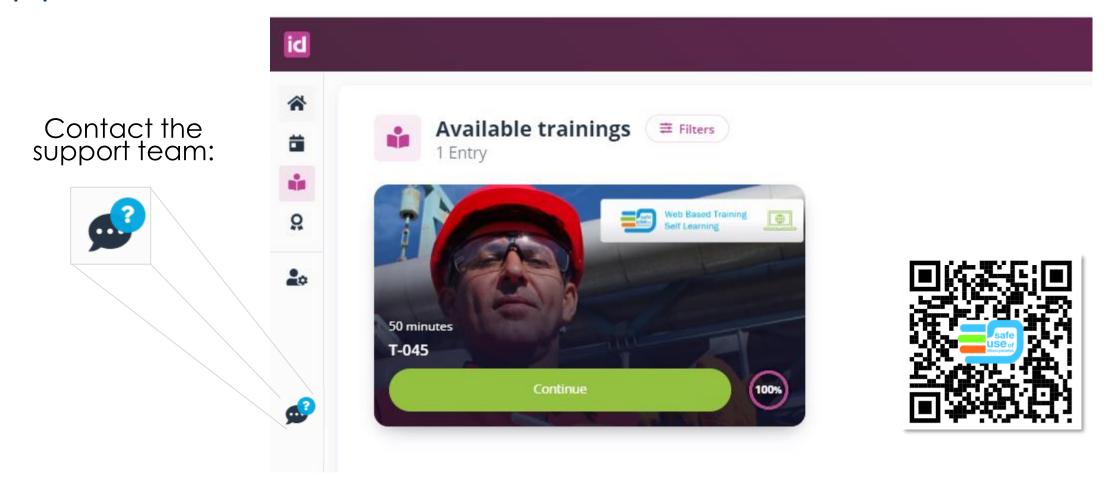
Training already available in:

English

German French Spanish Dutch Italian



Support



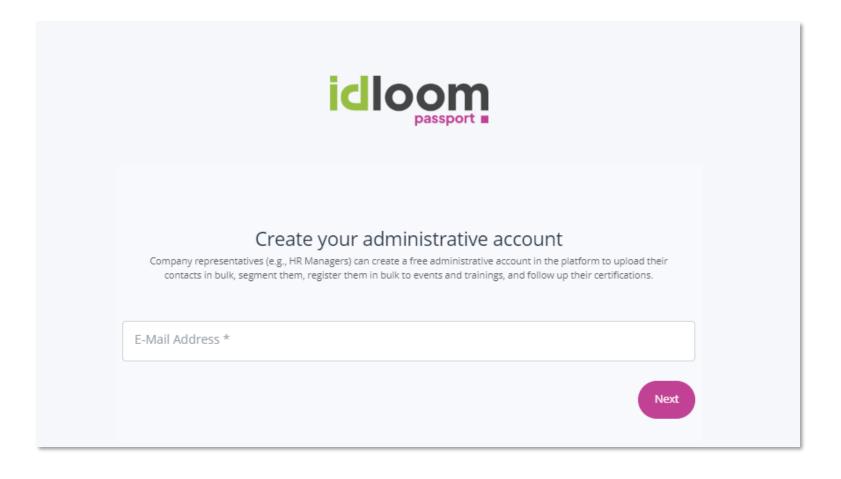
- For content related questions please contact: <u>main@isopa.org</u>
- Q&A section on our website: https://www.safeusediisocyanates.eu/q-a





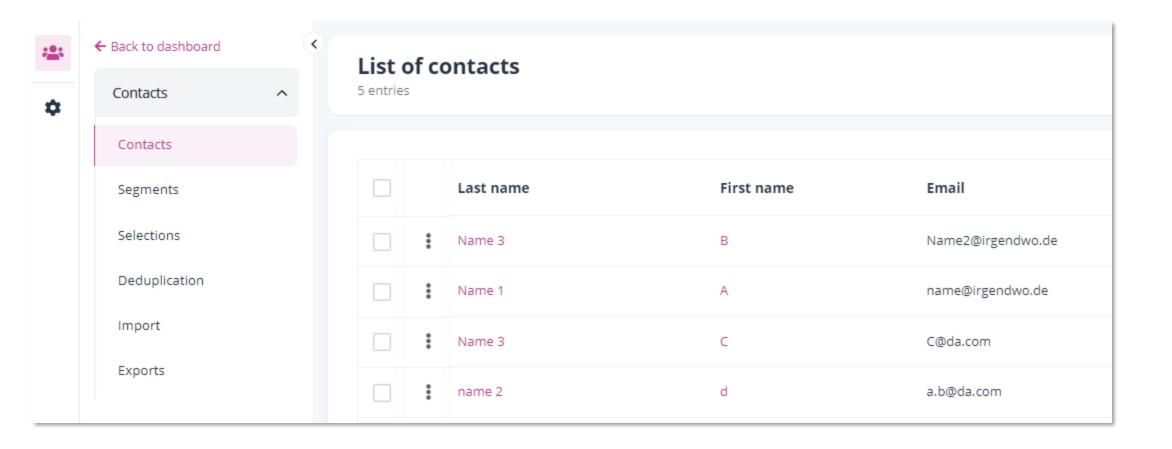
Thank you for your Attention

Administrative User



- Bulk Registration of trainees
- Upload of an Excel spreadsheet with trainee data

Tools for Administrative User



Q&A

- Please use the chat box if you have a question
- Questions in the chat box will be covered as we go along



Ms Paula DiazSenior Regulatory Affairs Manager at FEICA

THANK YOU

Interested in future FEICA webinars?

https://www.feica.eu/information-center/events-conferences/upcoming-events

Questions?

info@feica.eu secretariat@cepe.org info@efcc.be main@isopa.org

