



# A safe future for polyurethane products

## A diverse product

Polyurethane (PU) adhesives and sealants are versatile, innovative and safe. They are used in a wide variety of applications in construction, packaging, automotive, furniture, engineering, marine, transportation, and many more.

PU products are made by reacting **diisocyanates** and **polyols**.

YOUR STAFF WILL NEED TO BE TRAINED TO KNOW HOW TO APPLY PU PRODUCTS SAFELY

## ! A new regulation has been adopted

REACH is a regulation of the European Union, adopted to improve the protection of human health and the environment from risks that can be posed by chemicals, while enhancing the competitiveness of the EU chemicals industry. On 4 August 2020, a new restriction on **diisocyanates** was published in the Official Journal of the European Union.

It targets respiratory and dermal sensitisation potentially caused by diisocyanates and requires training prior to use.

## What does the restriction mean, how is the training developing and what is the timeline for implementation?

Your staff will need to be trained and certified by 24 August 2023 in how to handle products containing diisocyanates safely. This will apply to all professional and industrial users of products with a total monomeric diisocyanate concentration of > 0.1%. Such products will have to carry a phrase on the label from 24 February 2022 indicating the requirement of training. FEICA, in coordination with ISOPA and ALIPA, the diisocyanate manufacturers' industry associations, is preparing training material for use by its members and by adhesive or sealant users. We expect it to become available as of February 2022, early enough for all users of PU products to be trained and certified by 24 August 2023.

FEICA is planning to make online training available for easy usability. Additionally, the material will become available for individual classroom training. Holding a certification to prove attendance to the training, including a final exam, will be mandatory for all professional and industrial users applying the product. The adopted legal text requires the training to be provided by an expert in occupational Health & Safety. Employers must keep records of the training provided to their employees.

Additional requirements may be added by Member States beyond what has been defined in the REACH restriction. Further clarification is needed on how training will be implemented in each member state.

Labelling requirements on pack

24 February 2022

All users trained and certified

24 August 2023

“The industry is strongly committed to the safe use of diisocyanates and safety in the workplace.”



As of 24 August 2023 adequate training is required before industrial or professional use.

## Frequently asked questions

### ? Are diisocyanates safe?

Like any substance, diisocyanates' use is safe when chemicals are handled according to relevant risk management and safety measures. It is also important to stress that virtually no diisocyanates can be found in finished articles. Diisocyanates are only used as reactive chemicals; they react with the polyol to form the PU product and are used up during the reaction.

### ? What is respiratory sensitisation?

Sensitisation means that after exposure, a person could become allergic to the substance. If sensitised, each time the person is in contact again with the substance (even at very low concentrations) the person could have a high allergic reaction with respiratory impacts (e.g. asthma). The majority of individuals with diisocyanates-related asthma show improvement or total recovery after exposure has ceased.

### ? I am a reseller/distributor. What do I need to do?

Pass the information you receive from your product supplier on to your customers.

### ? What about PU products for consumer use?

The new regulation only applies to professionals and industry. A separate restriction for consumer use came into force several years ago.

### ? At what date will this regulation come into force?

The new regulation has been adopted on 4 August 2020 and comes into force on 24 August 2020 which means that by 24 August 2023 all users of PU products should be trained and certified.

### ? When do I have to update the labelling of my packaging?

The legal requirements should appear on the packaging as of 24 February 2022.

### ? Will PU adhesives and sealants remain on the market?

The restriction is targeted at avoiding unsafe handling of diisocyanates, not on restricting product availability. Due to their unique properties in many applications PU adhesives and sealants will remain widely available.

### ? Who should I contact if I have questions?

Your supplier will help you with any product-related questions. If you would like to learn more about the status of training developments or other related general topics, please contact FEICA at [info@feica.eu](mailto:info@feica.eu) or check out [www.feica.eu](http://www.feica.eu).

### ? Where can I find more information about diisocyanates?

The diisocyanates industry provides information about diisocyanates and their safe handling on its website <http://www.safeusediisocyanates.eu/>



#### Glossary

EU: European Union

PU: polyurethane

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. The key regulation of the EU for chemicals manufactured in or imported into the EU

