

February 2023

## Training Matrix

For selection of the appropriate training by users

### Guidance

For selection of the right training, apply the principle of «processing by elimination».

Start to check if the respective task of your employee is covered by Advanced Training (Level 3), if not, check if Intermediate Training (Level 2) applies, if not → the general training (Level 1) is sufficient.

Level	Content as defined in the <a href="#">legislation</a>	Training Platform	Coverage
1	<p><b>Chemistry of diisocyanates</b> Toxicity hazards</p> <p><b>Exposure to diisocyanates</b> Occupational exposure limit values</p> <p><b>How sensitization can develop</b> Odour as indication of hazard Importance of volatility for risk Viscosity, temperature, and molecular weight of diisocyanates</p> <p><b>Personal hygiene</b></p> <p><b>Personal protective equipment</b> needed Risk of dermal contact and inhalation exposure Risk in relation to application process used Skin and inhalation protection scheme</p> <p><b>Ventilation</b></p> <p><b>Cleaning, leakages, maintenance</b></p> <p><b>Discarding empty packaging</b></p> <p><b>Protection of bystanders</b> Identification of critical handling stages Behavior-based safety</p>	T 045	<b>General training</b> containing all aspects which are defined in the legal text

Level	Content as defined in the <a href="#">legislation</a>	Training Path SuD	Coverage
2	<p><b>Handling open mixtures at ambient temperature</b> (incl foam tunnels)</p> <p><b>Spraying in a ventilated booth</b></p> <p><b>Application by roller</b></p> <p><b>Application by brush</b></p> <p><b>Application by dipping and pouring</b></p> <p><b>Mechanical post treatment</b> (e.g., cutting) of not fully cured articles which are not warm anymore</p> <p><b>Cleaning and waste</b></p> <p>Any other uses with similar exposure through the dermal and/or inhalation route</p> <p>Additional behavior-based aspects</p> <p><b>Maintenance</b></p> <p><b>Management of change</b></p> <p>Evaluation of existing safety instructions</p> <p>Risk in relation to application process used</p>	T 007	<b>Dipping and pouring</b> , open mixture, cleaning and waste
		T 015	Handling <b>open mixtures at ambient temperatures</b> , cleaning and waste
		T 020	<b>Application</b> by brush or roller, open handling of hot and warm formulations, cleaning and waste
		T 022	<b>Application</b> by brush or roller, cleaning and waste
		T 023	Professional painting with brush or roller
		T 042	<b>Cleaning and Waste</b>
		T 048*	Professional Application of adhesives and sealants / Small packaging at ambient temperature
		T 049*	Professional application Flooring and waterproofing applications
		T 050*	Professional application High Pressure Injection Resins
		T 051*	Industrial Application of adhesives and sealants Small packaging at ambient temperature
		T 052*	Industrial Application of adhesives and sealants at room temperature
		T 070	<b>Production &amp; Formulation of Diisocyanates</b> containing Products
		T 071	Continuous Manufacturing of <b>Elastomers (incl. TPU)</b> Training Program
T 072	<b>Appliances Production</b> Training Program		

\*These modules are specific to the adhesives and sealants industry.

Level	Content as defined in the <a href="#">legislation</a>	Training Platform	Coverage
3	<p><b>Handling incompletely cured articles</b> (e.g., freshly cured, still warm)</p> <p><b>Foundry applications</b></p> <p><b>Maintenance and repair</b> that needs access to equipment</p> <p><b>Open handling of warm or hot formulations (&gt; 45 °C)</b></p> <p><b>Spraying in open air, with limited or only natural ventilation</b> (includes large industry working halls) and spraying with high energy (e.g., foams, elastomers)</p> <p>And any other uses with similar exposure through the dermal and/or inhalation route</p>	T 003	<b>Spraying in a ventilated booth</b> , open mixtures, cleaning and waste
		T 005	<b>Application by brush or roller</b> , open mixture, cleaning and waste
		T 011	<b>Spraying outside</b> a ventilated booth, open mixtures, cleaning and waste
		T 012	<b>Foundry Applications</b>
		T 013	Other (non-spraying) application process of Paints and Coatings, open handling of hot and warm formulations
		T 018	<b>Spraying in a ventilated booth</b> , cleaning and waste
		T 019	<b>Professional Uses – Spray Booth Application</b>
		T 024	<b>Dipping or pouring</b> , open handling of hot or warm formulations ( $\geq 40^{\circ}\text{C}$ ), cleaning and waste
		T 033	<b>Spraying outside a ventilated booth</b> , Open handling of hot or warm formulation, Cleaning and waste
		T 034	Professional Uses – Spraying Outside Application
		T 035	Spraying outside a ventilated booth, cleaning and waste
		T 037	<b>Special requirements</b> <b>Maintenance and repair that needs access to equipment</b> <b>Open</b> handling of hot or warm chemical formulations ( $\geq 40^{\circ}\text{C}$ ). Cleaning and waste
		T 039	Open handling of hot or warm formulations ( $>45^{\circ}\text{C}$ ), cleaning and waste
T 040	Maintenance and repair with possible diisocyanate contact, cleaning and waste		

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<div style="background-color: #ADD8E6; border-radius: 10px; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">3</div> <p><b>Handling incompletely cured articles</b> (e.g., freshly cured, still warm)</p> <p><b>Foundry applications</b></p> <p><b>Maintenance and repair</b> that needs access to equipment</p> <p><b>Open handling of warm or hot formulations (&gt; 45 °C)</b></p> <p><b>Spraying in open air, with limited or only natural ventilation</b> (includes large industry working halls) and spraying with high energy (e.g., foams, elastomers)</p> <p>And any other uses with similar exposure through the dermal and/or inhalation route</p>	T 046	Flexible moulded foam	
	T 047	Flexible slabstock foam	
	T 053	Industrial application of polyurethane adhesives, process steps above 45 °C or by spraying or at laminating speeds above 100 m/min	
	T 054	Industrial application of adhesives and sealants Maintenance and repair of equipment	
	T 055	Risk Management Measures for <b>MDI</b> in factories produced <b>rigid PU foam</b>	
	T 056	<b>Print Shops – 2 Component Inks</b>	
	T 057	Wood composites products	

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