

# Safety Data Sheet

(in accordance with the Rules of Procedure (UE) 2020/878)



## Polyurethan Resin for high thickness part A

Version 1 Date of issue: 29/01/2021

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY OR UNDERTAKING.

#### 1.1 Product ID.

Product Name: Polyurethan Resin for High thickness part A  
UFI: Y250-T07J-D005-PJHJ

#### 1.2 Identified relevant uses of the substance or mixture and uses not recommended.

All uses.

#### Uses not recommended:

Uses other than those advised.

#### 1.3 Details of the vendor of the safety data sheet.

Enterprise: **RESIN PRO SRL**  
Address: Via 25 Aprile z.i. snc  
Population: 19021 Arcola (SP)  
Province: Italy  
Telephone: +39 0187 955108  
Email: [info@resinpro.it](mailto:info@resinpro.it)  
Web: [www.resinpro.it](http://www.resinpro.it)

#### 1.4 Emergency telephone:

CAV di Napoli, tel. 0817472870 (Azienda ospedaliera "Antonio Cardarelli", via A. Cardarelli 9, Napoli)  
CAV di Firenze, tel. 0554277238 (Azienda ospedaliera universitaria Careggi, via Largo Brambilla 3, Firenze)  
CAV di Pavia, tel. 038224444 (IRCCS Fondazione Salvatore Maugeri, via S. Maugeri 10, Pavia)  
CAV di Milano, tel. 0266101029 (Ospedale Niguarda Ca' Granda, piazza Ospedale Maggiore 3, Milano)  
CAV di Bergamo, tel. 800883300 (Azienda ospedaliera "Papa Giovanni XXIII", piazza OMS 1, Bergamo)  
CAV di Roma, tel. 0649970698 (Policlinico Umberto I, viale del Policlinico 155, Roma)  
CAV di Roma, tel. 063054343 (Policlinico "Agostino Gemelli", largo A. Gemelli 8, Roma)  
CAV di Foggia, tel. 800183459 (Azienda ospedaliera universitaria Ospedali riuniti, Viale L. Pinto 1, Foggia)  
CAV di Roma, tel. 0668591 (Ospedale pediatrico Bambino Gesù, piazza Sant'Onofrio 4, Roma)  
CAV di Verona, tel. 800011858 (Azienda ospedaliera universitaria integrata di Verona, Piazzale A. Stefani 1, Verona)

### SECTION 2: IDENTIFICATION OF HAZARDS

#### 2.1 Classification of the substance or mixture.

According to Regulation (EC) No 1272/2008:

Acute Tox. 4 : Harmful if inhaled.  
STOT SE 3 : May irritate the airways.  
Skin Sens. 1 : May cause an allergic skin reaction.

#### 2.2 Label elements.

##### Labelling in accordance with Regulation (EC) No 1272/2008:

Pictograms:



Word of warning:

**Attention**

Hazard statements:

H317 It can cause an allergic skin reaction. H332  
Harmful in case of inhalation.  
H335 Can irritate the airways.

Precautionary statements:

P102 Keep out of reach of children  
P103 Read the label before use  
P404 Store in a closed container  
P405 Keep under lock and key  
P501 Dispose of the product/container in accordance with hazardous waste, container or container waste regulations

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P261 Avoid Breathe dust/smoke/gas/mist/vapors/aerosol.  
P280 Wear gloves/protective clothing/protective equipment for the eyes/face/ears according to point 8.2 of the safety data sheet.  
P321 Specific treatment is needed (see reference to first aid instructions in the security).  
P333+P313 In case of irritation or rash: Consult a doctor.  
p362+P364 Remove contaminated garments and wash them before reuse.  
P403+P233 Store in a well-ventilated place. Keep the container tightly closed.  
Additional hazard statements:  
EUH204 Contains isocyanates. It can cause an allergic reaction.  
As of August 24, 2023, it is mandatory to have the appropriate training to proceed with industrial or professional use.

Contains:  
hexamethylene diisocyanate, oligomers

### 2.3 Other dangers.

The mixture does not contain substances classified as PBT (Persistent, Bioaccumulative and Toxic).  
The mixture does not contain substances classified as vPvB (very persistent and very bioaccumulative). The mixture does not contain substances with endocrine disrupting properties.

Under normal conditions of use and in its original form, the product does not have any other negative effects on health and the environment.

## SECTION 3: COMPOSITION/INFORMATION ON COMPONENTS

### 3.1 Substances.

Not applicable.

### 3.2 Mixtures.

Substances that represent a danger to health or the environment in accordance with Regulation (EC) No. 1272/2008, are assigned a Community workplace exposure limit, are classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentration	(*) Classification - Regulation 1272/2008	
			Classification	Specific concentration limits and Acute Toxicity Estimation
CAS No.: 28182-81-2 Registration number: 01- 2119485796-17-XXXX	hexamethylene diisocyanate, oligomers	53 - 100 %	Acute Tox. 4, H332 - STOT SE 3, H335 - Skin Sens. 1, H317	-
Index N.: 615-011-00-1 CAS N.: 822-06-0 EC No: 212-485-8 Registration number: 01- 2119457571-37-XXXX	[2] hexamethylene di-isocyanate	0.1 - 0.5 %	Acute Tox. 3*, H331 - Eye Irrit. 2, H319 - Resp. Sens. 1, H334 - STOT SE 3, H335 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	Resp. Sens. 1, H334: C ≥ 0.5 % Skin Sens. 1, H317: C ≥ 0.5 %

(\*) The full text of the H-phrases is detailed in section 16 of this Safety Data Sheet.

\* See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

[2] Substance with national workplace exposure limit (see section 8.1).

## SECTION 4: FIRST AID

### 4.1 Description of first aid

In cases of doubt, or when symptoms of discomfort persist, seek medical attention. Never give anything orally to people who are unconscious.

### Inhalation.

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Place the injured person outdoors, keep him warm and at rest, if breathing is irregular or stops, practice artificial respiration. Do not administer anything by mouth. If he is unconscious, put him in an appropriate position and seek medical help. The use of personal protective equipment is recommended for persons dispensing first aid (see section 8).

### Eye contact.

Remove contact lenses, if you wear and it is easy to do. Wash your eyes thoroughly with clean, fresh water for at least 10 minutes, pulling up your eyelids and seek medical attention.

### Skin contact.

Remove contaminated clothing. Wash the skin vigorously with soap and water or a suitable skin cleanser. NEVER use solvents or diluents.

### Ingestion.

If accidentally ingested, seek medical attention immediately. Keep you at rest. NEVER make you vomit.

### **4.2 Main symptoms and effects, acute and delayed.**

Irritating product, repeated or prolonged contact with the skin or mucous membranes may cause redness, blisters or dermatitis, inhalation of spray mist or suspended particles may cause irritation of the respiratory tract, some of the symptoms may not be immediate.

Harmful product, prolonged exposure by inhalation can cause anesthetic effects and the need for immediate medical assistance. It can cause an allergic reaction, dermatitis, redness or inflammation of the skin.

**4.3 Indication of any medical care and special treatment to be provided immediately.** In cases of doubt, or when symptoms of discomfort persist, seek medical attention. Never give anything orally to people who are unconscious. Do not induce vomiting. If the person vomits, clear the airway.

## SECTION 5: FIRE-FIGHTING MEASURES

The product is NOT classified as flammable, in case of fire the following measures must be followed:

### **5.1 Extinguishing media.**

#### Appropriate extinguishing media:

Extinguishing powder or CO<sub>2</sub>. In case of more serious fires also foam resistant to alcohol and water spray.

#### Unsuitable extinguishing media:

Do not use for extinguishing direct jet of water. In the presence of electrical voltage it is not acceptable to use water or foam as an extinguishing medium.

### **5.2 Specific hazards arising from the substance or mixture.**

#### Special risks.

Exposure to combustion or decomposition products can be harmful to health.

### **5.3 Recommendations for firefighting personnel.**

Cool tanks, cisterns or containers near the source of heat or fire with water. Take into account the direction of the wind. Prevent products used in firefighting from entering drains, sewers or waterways.

#### Fire protection equipment.

Depending on the extent of the fire, the use of heat protection suits, self-contained breathing apparatus, gloves, goggles or face masks and boots may be necessary.

## SECTION 6: MEASURES IN CASE OF ACCIDENTAL SPILLAGE

### **6.1 Personal precautions, protective equipment and emergency procedures.**

For exposure control and individual protective measures, see section 8.

### **6.2 Environmental precautions.**

Product not classified as hazardous to the environment, avoid as far as possible any spillage.

### **6.3 Containment and cleaning methods and material.**

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Contain and collect the spill with inert absorbent material (earth, sand, vermiculite, diatomaceous earth ...) and clean the area immediately with an appropriate decontaminant.

Deposit waste in closed containers suitable for disposal, in accordance with local and national regulations (see section 13).

### 6.4 Reference to other sections.

For exposure control and individual protective measures, see section 8. For waste disposal, follow the recommendations in section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling.

For personal protection, see section 8.

Smoking, eating and drinking should be prohibited in the area of application. Comply with legislation on safety and hygiene at work.

Never use pressure to empty the containers, they are not pressure resistant containers. Store the product in containers of a material identical to the original.

### 7.2 Secure storage conditions, including possible incompatibilities.

Store according to local legislation. Observe the indications on the label. Store containers between 5 and 25 °C, in a dry and well-ventilated place, away from heat sources and direct sunlight. Keep away from ignition points. Keep away from oxidizing agents and strongly acidic or alkaline materials. No smoking. Prevent entry to unauthorized persons. Once the containers have been opened, they must be carefully closed again and placed vertically to avoid spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

### 7.3 Specific end uses.

Low exothermia castings

## SECTION 8: EXPOSURE/PERSONAL PROTECTION CONTROLS

### 8.1 Control parameters.

Exposure limit during work for:

Name	N. CAS	Country	Limit value	ppm	mg/m3
hexamethylene di-isocyanate	822-06-0	Spain [1]	Eight hours	0,005(Sensitizing)	0.035(Sensitization to)
			Short term		

[1] According to the list of Environmental Occupational Exposure Limit Values adopted by the National Institute of Safety and Health at Work (INSST) for the year 2022.

The product does NOT contain substances with Biological Limit Values. DNEL/DMEL concentration levels:

Name	DNEL/DMEL	Guy	Value
hexamethylene di-isocyanate N. CAS: 822-06-0 EC No: 212-485-8	DNEL (Workers)	Inhalation, Chronic, Local effects	0,035 (mg/m <sup>3</sup> )
	DNEL (Workers)	Inhalation, Chronic, Systemic effects	0,035 (mg/m <sup>3</sup> )

DNEL: Derived No Effect Level The level of exposure to the substance below which no adverse effects are anticipated.

DMEL: Derived Minimal Effect Level, an exposure level that corresponds to a low risk, which should be considered a minimum tolerable risk.

### 8.2 Exposure controls.

#### Technical measures:

Provide adequate ventilation, which can be achieved through good local extraction-ventilation and a good general extraction system.

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<b>Concentration:</b>		<b>100 %</b>	
<b>Uses:</b>		<b>Professional use.</b>	
<b>Respiratory protection:</b>			
If the recommended technical measures are met, no personal protective equipment is necessary.			
<b>Hand protection:</b>			
EPI:	Work gloves CE marking		
Features: CEN standards:	Category I. EN 374-1, En 374-2, EN 374-3, EN 420		
Maintenance:	They should be stored in a dry place, away from possible sources of heat, and exposure to sunlight should be avoided as far as possible. No modifications will be made to the gloves that may alter their resistance nor will paints, solvents or adhesives be applied.		
Remarks:	The gloves should be the correct size, and fit in the hand without being too loose or too tight. They should always be used with clean and dry hands.		
Material:	PVC (Polyvinyl Chloride)	Penetration time (min.):	> 480
		Material thickness (mm):	0,35
<b>Eye protection:</b>			
EPI:	Face shield		
Characteristics:	CE marking Category II. Eye and face protector against splashing liquids.		
CEN standards:	IN 165, IN 166, IN 167, IN 168		
Maintenance:	Visibility through the eyepieces must be optimal for which these elements must be cleaned daily, the protectors must be disinfected periodically following the manufacturer's instructions. Vigilance shall be made for smooth actuation of moving parts.		
Remarks:	Face shields must have a field of view with a centerline dimension of at least 150 mm, vertically once attached to the cage.		
<b>Skin protection:</b>			
EPI:	Protective clothing		
Characteristics:	CE marking Category II. Protective clothing should not be narrow or loose so that it does not interfere with the wearer's movements.		
CEN standards:	IN 340		
Maintenance:	The washing and storage instructions provided by the manufacturer must be followed to ensure unvarying protection.		
Remarks:	Protective clothing should provide a level of comfort consistent with the level of protection being provided. It must provide against the risk against which it protects, with environmental conditions, the level of user activity and the intended time of use.		
EPI:	Work footwear CE marking		
Features: CEN standards:	Category II. EN ISO 13287, EN 20347		
Maintenance:	These items are adapted to the shape of the first user's foot. For this reason, as well as for hygiene reasons, its reuse by another person should be avoided.		
Remarks:	Work footwear for professional use is the one that incorporates protective elements intended to protect the user from injuries that could cause accidents, you should check the workers for whom this footwear is suitable.		

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties.

Physical Condition:

Liquid Color:

Colorless

Odor: Not applicable/Not available due to the nature/properties of the product.

Olfactory threshold: Not applicable/Not available due to the nature/properties of the product. Melting

point: Not applicable/Not available due to the nature/properties of the product. Freezing point: Not

applicable/Not available due to nature/properties of the product.

Starting point/Boiling point/range: Not applicable/Not available due to nature/properties of the product. Flammability: Not applicable/Not available due to the nature/properties of the product.

Lower explosion limit: Not applicable/Not available due to the nature/properties of the product. Upper

explosion limit: Not applicable/Not available due to the nature/properties of the product. Flash point: > 60 °C

Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product.

Decomposition temperature: Not applicable/Not available due to the nature/properties of the product. pH: Not applicable (The substance/mixture is not soluble (in water)).

Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product.

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Solubility: Not applicable/Not available due to the nature/properties of the product. Water solubility: Not applicable/Not available due to the nature/properties of the product. Lipid Solubility: Not applicable/Not available due to the nature/properties of the product. Partition coefficient (n-octanol/water)(logarithmic value): Not applicable/Not available due to nature/properties of the product. Vapour pressure: Not applicable/Not available due to the nature/properties of the product. Absolute density: 1.14 kg/m<sup>3</sup> Relative density: Not applicable/Not available due to nature/properties of the product. Vapour density: Not applicable/Not available due to the nature/properties of the product. Particle characteristics: Not applicable/Not available due to the nature/properties of the product.

### 9.2 Other data.

Not applicable/Not available due to nature/properties of the product.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity.

The product does not present hazards due to its reactivity.

### 10.2 Chemical stability.

Stable under recommended handling and storage conditions (see section 7).

### 10.3 Possibility of dangerous reactions.

The product does not present the possibility of dangerous reactions.

### 10.4 Conditions to avoid.

Avoid any kind of incorrect handling.

### 10.5 Incompatible materials.

Keep away from oxidizing agents and strongly alkaline or acidic materials, in order to avoid exothermic reactions.

### 10.6 Hazardous decomposition products.

It does not decompose if it is intended for its intended uses.

## SECTION 11: TOXICOLOGICAL INFORMATION

**IRRITATING MIXTURE.** Inhalation of spray mist or suspended particles may cause irritation of the tract respiratory. It can also cause severe breathing difficulties, alteration of the central nervous system and in extreme cases unconsciousness.

### 11.1 Information on the hazard classes defined in Regulation (EC) No 1272/2008.

No tested data are available for the product.

Exposure to concentrations of vapours of solvent components above the exposure limit during work may have negative health effects, e.g. irritation of the mucosa and respiratory system, on the liver, kidneys and central nervous system. Symptoms include: headache, dizziness, fatigue, muscle weakness, drowsiness and, in extreme cases, loss of consciousness.

Based on the properties of isocyanates and taking into account the existing technical data on similar products, it follows that this product may cause acute irritation and/or sensitization to the respiratory system, leading to an asthmatic state, difficult breathing and pressure in the chest. Consequently, sensitized persons may show asthmatic symptoms when exposed to atmospheres containing concentrations below the level of exposure. Repeated exposure can lead to chronic respiratory diseases.

a) acute toxicity;

Classified product:

Acute inhalation toxicity, Category 4: Harmful if inhaled.

Acute toxicity estimation (ATE):

Mixtures:

ATE (Inhalation) = 11 mg/l/4 h (Vapors)

b) skin corrosion or irritation;

On the basis of the available data, the classification criteria are not met.

c) severe eye injury or eye irritation;

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On the basis of the available data, the classification criteria are not met.

d) respiratory or skin sensitization;

Classified product:

Skin sensitizer, Category 1: May cause an allergic skin reaction.

e) mutagenicity in germ cells; Inconclusive data for classification.

f) carcinogenicity;  
Inconclusive data for classification.

g) reproductive toxicity;  
Inconclusive data for classification.

h) specific target organ toxicity (STOT) - single exposure; Classified product:  
Toxicity to certain organs after single exposure, Category 3: May irritate the respiratory tract.

i) specific target organ toxicity (STOT) - repeated exposure; Inconclusive data for classification.

j) aspiration hazard;  
Inconclusive data for classification.

### 11.2 Information relating to other hazards.

#### Endocrine disrupting properties.

This product does not contain components with endocrine disrupting properties with effects on human health.

#### Other data.

No information is available on other adverse health effects.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity.

No information is available on the ecotoxicity of the substances present.

### 12.2 Persistence and degradability.

No information is available on the biodegradability of the substances present. No information is available on the degradability of the substances present.  
No information is available on the persistence and degradability of the product.

### 12.3 Bioaccumulation potential.

No information is available on the bioaccumulation of the substances present.

### 12.4 Mobility on the ground.

No information is available on mobility on the ground.  
The product should not be allowed to pass into sewers or waterways. Avoid penetration into the ground.

### 12.5 Results of PBT and vPvB assessment.

No information is available on the PBT and vPvB titration of the product.

### 12.6 Endocrine disrupting properties.

This product does not contain components with endocrine disrupting properties on the environment.

### 12.7 Other side effects.

No information is available on other adverse effects on the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

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### 13.1 Methods for waste treatment.

It is not allowed to be discharged into sewers or waterways. Waste and empty packaging must be handled and disposed of in accordance with applicable local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

## SECTION 14: INFORMATION RELATING TO TRANSPORT

It is not dangerous in transport. In the event of an accident and spillage of the product, act in accordance with point 6.

### 14.1 UN number or ID number.

It is not dangerous in transport.

### 14.2 Official United Nations transport designation.

Description:

ADR/RID: Not dangerous in transport.

IMDG: No It is dangerous in transportation.

ICAO/IATA: No It is dangerous in transportation.

### 14.3 Class(es) of transport hazard.

It is not dangerous in transport.

### 14.4 Packing group.

It is not dangerous in transport.

### 14.5 Dangers to the environment.

It is not dangerous in transport.

Transport by ship, FEm - Emergency cards (F – Fire, S – Spills): Not applicable.

### 14.6 Special precautions for users.

It is not dangerous in transport.

### 14.7 Bulk shipping in accordance with IMO instruments.

It is not dangerous in transport.

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental legislation and regulations specific to the substance or mixture.

The product is not affected by Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Volatile organic compound (VOC)

VOC content (w/w): 0 % VOC

content: 0 g/l

The product is not affected by Directive 2012/18/EU (SEVESO III).

The product is not covered by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure laid down in Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals.

Restrictions on the manufacture, placing on the market and use of certain hazardous substances and mixtures:

Name of the substance, groups of substances or mixtures	Restrictions
74. Diisocyanates, $O = C=N- R-N = C=O$ , where R is an aliphatic or aromatic hydrocarbon structure of unspecified length	1. They shall not be used as substances on their own or as constituents of other substances or in mixtures for industrial and professional uses after 24 August 2023, unless (a) the concentration of diisocyanates individually and together is less than 0,1 % by weight, or (b) the employer or the self-employed person guarantees that the user or users

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	<p>industrialists or professionals have successfully completed training on the safe use of diisocyanates before using the substance(s) or mixture(s).</p> <p>2. They shall not be placed on the market as substances on their own or as constituents of other substances or in mixtures for industrial and professional uses after 24 February 2022, unless:</p> <p>a) the concentration of diisocyanates individually and together is less than 0,1 % by weight, or</p> <p>b) The supplier ensures that the recipient of the substance(s) or mixture(s) has received information on the requirements referred to in point 1(b) and that the packaging bears, clearly separated from the rest of the label information, the following statement: 'From 24 August 2023 it is mandatory to have appropriate training for industrial or professional use'.</p> <p>3. For the purposes of this entry, 'industrial and professional users' means all employed persons and employed persons who handle diisocyanates on their own, as constituents of other substances or in mixtures for industrial or professional uses or who supervise such tasks.</p> <p>4. The training referred to in point 1(b) shall include instructions for monitoring dermal and inhalation exposure to diisocyanates at the workplace, without prejudice to any other national limit value for occupational exposure or other appropriate risk management measures at national level. This training shall be carried out by an occupational health and safety expert who has acquired the relevant competence through relevant vocational training. The training shall cover at least the following points:</p> <p>a) the training items referred to in point 5(a) for all industrial and professional uses;</p> <p>b) the training items referred to in points 5(a) and (b) for the following uses:</p> <ul style="list-style-type: none"><li>-handling of open mixtures at room temperature (including foam tunnels);</li><li>- spraying in a ventilated cabin;</li><li>- roller application;</li><li>- application by brush;</li><li>- application by immersion and discharge;</li><li>- mechanical post-treatment (e.g. cutting) of items that are not completely cured and are no longer hot;</li><li>- cleaning and waste;</li><li>- any other uses with similar exposure by the dermal route and/or by inhalation;</li></ul> <p>(c) the training items referred to in points (a), (b) and (c) of point 5 for the following uses:</p> <ul style="list-style-type: none"><li>- handling items that are not completely cured (e.g. recently cured, still hot);</li><li>- casting applications;</li><li>- maintenance and repair work requiring access to the equipment;</li></ul>
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	<ul style="list-style-type: none"><li>- open handling of hot or very hot formulations (<math>&gt; 45^{\circ}\text{C}</math>);</li><li>- spraying in the open air, with limited ventilation or with exclusively natural ventilation (including large industrial work halls), and high-energy spraying (e.g. foams and elastomers);</li><li>- any other uses with similar exposure by dermal and/or inhalation.</li></ul> <p>5. Elements of training:</p> <p>a) General training, including online training, on:</p> <ul style="list-style-type: none"><li>- chemical aspects of diisocyanates;</li><li>- toxicity hazards (including acute toxicity);</li><li>- exposure to diisocyanates;</li><li>- occupational exposure limit values;</li><li>- how awareness-raising develops;</li><li>- odour as an indicator of danger;</li><li>- importance of volatility for risk;</li><li>- viscosity, temperature and molecular weight of diisocyanates;</li><li>- personal hygiene; necessary personal protective equipment, including practical instructions for its proper use and limitations;</li><li>- risks of exposure by skin contact and inhalation;</li><li>- risks related to the application processes used;</li><li>- skin and inhalation protection plan;</li><li>- ventilation;</li><li>- cleaning, leaks, maintenance;</li><li>- disposal of empty containers;</li><li>- protection of bystanders;</li><li>- detection of critical stages of handling;</li><li>- specific systems of national legislation (where applicable);</li><li>- behavior-based security;</li><li>- certificate or documentary evidence that the training has been successfully completed;</li></ul> <p>b) intermediate training, including online training, on:</p> <ul style="list-style-type: none"><li>- other behaviour-based aspects;</li><li>- maintenance;</li><li>- change management;</li><li>- evaluation of existing safety instructions;</li><li>- risks related to the application processes used;</li></ul>
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	<ul style="list-style-type: none"><li>- certificate or documentary evidence that the training has been successfully completed;</li><li>c) advanced training, including online training, on:<ul style="list-style-type: none"><li>- any additional certification required for the specific uses covered;</li><li>- spraying outside the corresponding cabin;</li><li>- open handling of hot or very hot formulations (&gt; 45 °C);</li></ul></li><li>- certificate or documentary proof that the training has been successfully completed.</li></ul> <p>6. The training shall comply with the provisions of the Member State in which the industrial or professional user(s) operate. Member States may establish or continue to apply their own national requirements for the use of substances or mixtures provided that the minimum requirements laid down in points 4 and 5 are met.</p> <p>7. The supplier referred to in point 2(b) shall ensure that the recipient is provided with teaching materials and training courses in accordance with points 4 and 5 in the official language(s) of the Member State(s) in which the substances or mixtures are supplied. The training shall take into account the specific characteristics of the products supplied, including their composition, packaging and design.</p> <p>8. The employer or self-employed person shall document that the training referred to in points 4 and 5 has been successfully completed. The training shall be reviewed at least every five years.</p> <p>9. Member States shall include in the reports they draw up pursuant to Article 117(1) the following information:</p> <ul style="list-style-type: none"><li>a) any training requirements and other risk management measures established in relation to industrial and professional uses of diisocyanates in the national legal order;</li><li>b) number of reported and recognised cases of occupational asthma and occupational respiratory and skin diseases related to diisocyanates;</li><li>c) national exposure limits for diisocyanates, if any;</li><li>d) information on activities aimed at enforcing this restriction.</li></ul> <p>10. This restriction shall apply without prejudice to any other Union legislation on the protection of the health and safety of workers at work.</p>
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### 15.2 Chemical safety assessment.

A chemical safety assessment of the product has not been carried out.

## SECTION 16: OTHER INFORMATION

Full text of H-phrases in section 3: H315

Causes skin

irritation.

H317

Can cause an allergic skin reaction.

H319

Causes severe eye irritation.

H331

Toxic in case of inhalation.

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# Safety Data Sheet

(in accordance with the Rules of Procedure (UE) 2020/878)



## Polyurethan Resin for high thickness part A

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H332 Harmful in case of inhalation.  
H334 It can cause allergy or asthma symptoms or breathing difficulties if inhaled. H335  
Can irritate the airways.

Classification codes:

Acute Tox. 3 : Acute inhalation toxicity, Category 3 Acute  
Tox. 4 : Acute inhalation toxicity, Category 4 Eye Irrit. 2 :  
Eye irritation, Category 2  
Resp. Sens. 1 : Respiratory sensitiser, Category 1  
STOT SE 3 : Toxicity to certain organs after single exposure, Category 3 Skin Irrit.  
2 : Skin irritant, Category 2  
Skin Sens. 1 : Skin sensitizer, Category 1

Modifications compared to the previous version:

- Changes to Supplier Information (SECTION 1.3).
- Change in hazard classification (SECTION 2.1).
- Elimination of precautionary statements/hazard statements/pictograms/warning word (SECTION 2.2).
- Added precautionary statements/hazard statements/pictograms/warning word (SECTION 2.2).
- Modification of specific hazards (SECTION 2.3).
- Changes in product composition (SECTION 3.2).
- Changes in product composition (SECTION 3.2).
- Modifications in first aid (SECTION 4.1).
- Modification of symptoms (SECTION 4.2).
- Modification of health care measures (SECTION 4.3).
- Modification in fire-fighting measures (SECTION 5.2).
- Modifications in the measures in case of accidental spillage (SECTION 6.1).
- Modifications in handling and storage precautions (SECTION 7.1).
- Modifications in handling and storage precautions (SECTION 7.2).
- Modification of exposure data (SECTION 8.1).
- Modification in the values of the physicochemical properties (SECTION 9).
- Modification of the information of the stability and reactivity conditions (SECTION 10.2).
- Modification of the information of the stability and reactivity conditions (SECTION 10.3).
- Modification of the information of the stability and reactivity conditions (SECTION 10.4).
- Modification of the information of the stability and reactivity conditions (SECTION 10.5).
- Modification of the information of the stability and reactivity conditions (SECTION 10.6).
- Change in hazard classification (SECTION 11.1).
- Change of ADR/IMDG/ICAO/IATA/RID classification (section 14).
- National legislative changes (SECTION 15.1).

### Classification and procedure used to determine the classification of mixtures under Regulation (EC) No 1272/2008 [CLP]:

Physical hazards	Conformable a Test data
Health hazards	Calculation
method Hazards to the environment calculation	Method

It is advisable to carry out basic training regarding occupational safety and hygiene to carry out a correct handling of the product.

Abbreviations and acronyms used:

CEN: Committee European Standardization.  
DMEL: Derived Minimal Effect Level, level of exposure that corresponds to a low risk, which must be considered a tolerable minimum risk.  
DNEL: Derived No Effect Level of which no adverse effects are anticipated.  
EPI: Team of personal protection.

-Continued on the next page.-

# Safety Data Sheey

(in accordance with the Rules of Procedure (UE) 2020/878)

## Polyurethan Resin for high thickness part A

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Main bibliographic references and data sources:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2020/878.

Regulation (EC) No 1907/2006.

Regulation (EC) No 1272/2008.

The information provided in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

The information in this Product Safety Data Sheet is based on current knowledge and current EC and national laws, in that the working conditions of users are beyond our knowledge and control. The product must not be used for purposes other than those specified, without first having a written instruction on its handling. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established in the legislations.