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SECTION 1: Identification of the substance/mixture and of the company/undertaking

[•] 1.1 Product identifier

- · Trade name POLYURETHANBESCHICHTUNG PU 300 KOMP. B
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- · Application of the substance / the mixture Hardening agent/ Curing agent
- · 1.3 Details of the supplier of the safety data sheet
- *Manufacturer/Supplier:* MUREXIN GmbH Franz v. Furtenbachstr. 1 A-2700 Wiener Neustadt Tel.: +43 (0)2622/27401
- · Informing department: chemikalieninfo@murexin.com
- 1.4 Emergency telephone number:
- UK National poisons Emergency number.: +44 (0) 870 600 6266

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
 Classification according to Regulation (EC) No 1272/2008

health hazard

Resp. Sens. 1H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.Carc. 2H351 Suspected of causing cancer.STOT RE 2H373 May cause damage to organs through prolonged or repeated exposure.



Acute Tox. 4 H332 Harmful if inhaled.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.

[•] 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
 The product is classified and labelled according to the GB CLP regulation.
 Hazard pictograms



Signal word Danger

Hazard-determining components of labelling: diphenylmethanediisocyanate,isomeres and homologues
Hazard statements H332 Harmful if inhaled. H315 Causes skin irritation. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H317 May cause an allergic skin reaction. H351 Suspected of causing cancer.

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H335 May cause r	respiratory irritation.	,
H373 May cause d	damage to organs through prolonged or repeated exposure.	
· Precautionary sta		
P101	If medical advice is needed, have product container or label at ha	nd.
P102	Keep out of reach of children.	
P103	Read carefully and follow all instructions.	
P260	Do not breathe dust/fume/gas/mist/vapours/spray.	
P280	Wear protective gloves/protective clothing/eye protection/face proprotection.	otection/hearing
P284	[In case of inadequate ventilation] wear respiratory protection.	
P305+P351+P338	F IN EYES: Rinse cautiously with water for several minutes. F lenses, if present and easy to do. Continue rinsing.	emove contact
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/do	octor
P501	Dispose of contents/container in accordance with local/reg international regulations.	
· Additional inform	•	
Contains isocyana	ates. May produce an allergic reaction.	
As from 24 Augus	t 2023 adequate training is required before industrial or professiona	al use.
· 2.3 Other hazards	S	
· Results of PBT a	nd vPvB assessment	
• PBT: Not applicab	ble.	
• vPvB: Not applica		

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Mixture consisting of the following components with harmless additives.

 Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373 Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, 	
[•] H319; Skin Sens. 1, H317; STOT SE 3, H335 EUH204	
Specific concentration limits: Eye Irrit. 2; H319: C \geq 5 % Skin Irrit. 2; H315: C \geq 5 % Resp. Sens. 1; H334: C \geq 0.1 % STOT SE 3; C \geq 5 %	
	Skin Irrit. 2; H315: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 %

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CAS: 101-68-8 EINECS: 202-966-0 Reg.nr.: 01-2119457014-47	diphenylmethane-4,4'-di-isocyanante	25-50%
CAS: 5873-54-1 EINECS: 227-534-9	Diphenylmethane-2,4'-diisocyanate Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373 Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 EUH204 Specific concentration limits: Eye Irrit. 2; H319: $C \ge 5$ % Skin Irrit. 2; H315: $C \ge 5$ % Resp. Sens. 1; H334: $C \ge 0.1$ % STOT SE 3; $C \ge 5$ %	2.5-5%
CAS: 2536-05-2 EINECS: 219-799-4	diphenylmethane-2,2'-diisocyanate	<i>≥</i> 0.5-<1%

SECTION 4: First aid measures

· 4.1 Description of first aid measures

• General information Instantly remove any clothing soiled by the product.

- After inhalation
- Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

- Use a respiration bag or breathing device.
- After skin contact

Instantly wash with water and soap and rinse thoroughly.

- If skin irritation continues, consult a doctor.
- · After eye contact Rinse opened eye for several minutes under running water. Then consult doctor.
- After swallowing Do not induce vomiting; instantly call for medical help.
- 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

• 4.3 Indication of any immediate medical attention and special treatment needed

Medical supervision for at least 48 hours

SECTION 5: Firefighting measures

- [•] 5.1 Extinguishing media
- [•] Suitable extinguishing agents

Use fire fighting measures that suit the environment.

CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

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• For safety reasons unsuitable extinguishing agents Water with a full water jet. • 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire. Hydrogen cyanide (HCN)

5.3 Advice for firefighters

• **Protective equipment:** Wear self-contained breathing apparatus. Do not inhale explosion gases or combustion gases.

Additional information

Collect contaminated fire fighting water separately. It must not enter drains.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Put on breathing apparatus.
Wear protective clothing.
Keep people at a distance and stay on the windward side.
Particular danger of slipping on leaked/spilled product.
6.2 Environmental precautions: Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil.
Keep dirty washing water for appropriate disposal.
6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation.
Send for recovery or disposal in suitable containers.

6.4 Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling Keep containers tightly sealed. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. · Information about protection against explosions and fires: Keep breathing equipment ready. Protect from heat. · 7.2 Conditions for safe storage, including any incompatibilities · Storage • Requirements to be met by storerooms and containers: Store only in the original container. · Information about storage in one common storage facility: Store away from foodstuffs. • Further information about storage conditions: Protect from humidity and keep away from water. Protect from frost. Keep container tightly sealed. Store under dry conditions. · Storage class 10 · 7.3 Specific end use(s) No further relevant information available.

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Compo	
	onents with critical values that require monitoring at the workplace:
	7-9 diphenylmethanediisocyanate,isomeres and homologues
L	Short-term value: 0.07 mg/m³ ong-term value: 0.02 mg/m³ Sen; as -NCO
101-68	-8 diphenylmethane-4,4'-di-isocyanante
WEL S	Short-term value: 0.07 mg/m³ ong-term value: 0.02 mg/m³ Sen; as -NCO
5873-54	4-1 Diphenylmethane-2,4'-diisocyanate
WEL S	Short-term value: 0.07 mg/m³ ong-term value: 0.02 mg/m³ Sen; as -NCO
2536-0	5-2 diphenylmethane-2,2'-diisocyanate
L	Short-term value: 0.07 mg/m³ ong-term value: 0.02 mg/m³ Sen; as -NCO
Ingredi	ients with biological limit values:
	-8 diphenylmethane-4,4'-di-isocyanante
	1 μmol creatinine/mol Medium: urine Sampling time: At the end of the period od exposure Parameter: isocyanate-derived diamine
	4-1 Diphenylmethane-2,4'-diisocyanate
BMGV	1 μmol creatinine/mol Medium: urine Sampling time: At the end of the period od exposure Parameter: isocyanate-derived diamine
2536-0	5-2 diphenylmethane-2,2'-diisocyanate
BMGV	1 μmol creatinine/mol Medium: urine Sampling time: At the end of the period od exposure Parameter: isocyanate-derived diamine
Additic	onal information: The lists that were valid during the compilation were used as basis.
Approp Individ Genera The usu Keep a Instanti Wash h Store p Do not Avoid c Breath In case	bosure controls boriate engineering controls No further data; see section 7. bual protection measures, such as personal protective equipment al protective and hygienic measures bual precautionary measures should be adhered to in handling the chemicals. way from foodstuffs, beverages and food. y remove any soiled and impregnated garments. bands during breaks and at the end of the work. rotective clothing separately. inhale gases / fumes / aerosols. ontact with the eyes and skin. ing equipment: e of brief exposure or low pollution use breathing filter apparatus. In case of intensive exposure use breathing apparatus that is independent of circulating air.

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 Hand protection Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Butyl rubber, BR Fluorocarbon rubber (Viton) Nitrile rubber, NBR

• **Penetration time of glove material** The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. • **Eye/face protection**

- Face protection
- Tightly sealed safety glasses.
- · Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

0.1 Information on basis physical and shami	ical proportion	
• 9.1 Information on basic physical and chemi	cal properties	
General Information	F () (
Physical state	Fluid	
· Colour:	Brown	
· Smell:	Characteristic	
· Odour threshold:	Not determined.	
· Melting point/freezing point:	Not determined	
• Boiling point or initial boiling point and		
boiling range	>300 °C	
 Lower and upper explosion limit 		
· Lower:	Not determined.	
· Upper:	Not determined.	
· Flash point:	>200 °C	
Decomposition temperature:	Not determined.	
· pH	Not determined.	
· Viscosity:		
 Kinematic viscosity at 20 °C 	70-130 mm²/s	
· dynamic:	Not determined.	
· Solubility		
· Water:	Unsoluble	
 Partition coefficient n-octanol/water (log 		
value)	Not determined.	
Steam pressure at 20 °C:	>0 hPa	
Density and/or relative density		
· Density at 20 °C	1.2 g/cm³	
· Relative density	Not determined.	
· Vapour density	Not determined.	
9.2 Other information		
· Appearance: · Form:	Fluid	
Important information on protection of healt	11	
and environment, and on safety.	Draduat is not colfigniting	
· Self-inflammability:	Product is not selfigniting.	
Explosive properties:	Product is not explosive.	
· Change in condition	Not dotorminod	
· Evaporation rate	Not determined.	
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		(Contd. of page
Information with regard to physical haz	ard	
classes		
Explosives	Void	
Flammable gases	Void	
Aerosols	Void	
Oxidising gases	Void	
Gases under pressure	Void	
Flammable liquids	Void	
Flammable solids	Void	
Self-reactive substances and mixtures	Void	
Pyrophoric liquids	Void	
Pyrophoric solids	Void	
Self-heating substances and mixtures	Void	
Substances and mixtures, which emit		
flammable gases in contact with water	Void	
Oxidising liquids	Void	
Oxidising solids	Void	
Organic peroxides	Void	
Corrosive to metals	Void	
Desensitised explosives	Void	

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

· Conditions to be avoided: No decomposition if used according to specifications.

- 10.3 Possibility of hazardous reactions Danger of bursting
- 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: Keep away from strongly acidic and alkaline materials

10.6 Hazardous decomposition products: None

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Harmful if inhaled.

паппин	innaieu.	
· LD/LC50	values tha	at are relevant for classification:
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
9016-87-9) diphenyl	methanediisocyanate,isomeres and homologues
Oral	LD50	>100,000 mg/kg (rat)
Dermal	LD50	>9,400 mg/kg (rabbit)
Inhalative	LC50/4 h	0.49 mg/l (rat)
101-68-8	diphenylm	nethane-4,4'-di-isocyanante
Inhalative	LC50/4 h	490 mg/l (rat)
• Serious e Causes se • Germ cell • Carcinog	kin irritatior e ye damag erious eye I mutagen	n. i e/irritation irritation. icity Based on available data, the classification criteria are not met.
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• *Reproductive toxicity* Based on available data, the classification criteria are not met. • *STOT-single exposure*

May cause respiratory irritation.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

· Aspiration hazard Based on available data, the classification criteria are not met.

· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information		
· 12.1 Toxic	sity	
· Aquatic to	oxicity:	
EC 50/24h	>1,000 mg/l (G)	
EC 50	>100 mg/l (Belebtschlamm)	
LC50	>1,000 mg/l (Brachydanio rerio (Zebrabärbling))	
9016-87-9	diphenylmethanediisocyanate,isomeres and homologues	
EC 50	>100 mg/l (F2) (OECD 209 Activated Sludge, Respiration Inhibition)	
	>1,000 mg/l (G) (OECD 202 Acute Immobilisation Tet)	
101-68-8 c	liphenylmethane-4,4'-di-isocyanante	
EC 50	>1,000 mg/l (G) (Acute Immobilisation Test, 24h Static)	
LC50	>1,000 mg/l (Brachydanio rerio (Zebrabärbling)) (OECD 203 Fish, Acute Toxicity Test, 96h static)	
 12.3 Bioac 12.4 Mobi. 12.5 Resu PBT: Not a vPvB: Not 12.6 Endo The produ 12.7 Other 	applicable. crine disrupting properties ct does not contain substances with endocrine disrupting properties. r adverse effects I ecological information:	
	and class (Cormany) 1 (Solf assessment); slightly bazardous for water	

Water hazard class (Germany) 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

- Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

After prior treatment product has to be landfilled or incinerated under adherence to the regulations pertaining to the disposal of especially hazardous waste.

· Uncleaned packagings:

· Recommendation:

Disposal must be made according to official regulations.

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Non contaminated packagings can be used for recycling.

SECTION 14: Transport information	
• 14.1 UN number or ID number • ADR, ADN, IMDG, IATA	Void
 14.2 UN proper shipping name ADR, ADN, IMDG, IATA 	Void
· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
 14.7 Maritime transport in bulk accordin IMO instruments 	ng to Not applicable.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Poisons Act

· Regulated explosives precursors

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

[·] Reportable poisons

None of the ingredients is listed.

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.

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(Contd. of pa H351 Suspected of causing cancer.	ge 9)
H373 May cause damage to organs through prolonged or repeated exposure. EUH204 Contains isocyanates. May produce an allergic reaction.	
 Contact: chemikalieninfo@murexin.com (+43 02622/27401) Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regula Concerning the International Transport of Dangerous Goods by Rail) ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concert the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent and very Bioaccumulative Acute Tox. 4: Acute toxicity – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 1 Skin Irrit. 2: Skin corrosion/irritation – Category 1 Skin Sens. 1: Respiratory sensitisation – Category 1 Carc. 2: Carcinogenicity – Category 2 STOT SE 3: Specific target organ toxicity (repeated exposure) – Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 	
• * Data compared to the previous version altered.	— GB —