Printing date 05.02.2025

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SECTION 1: Identification of the substance/mixture and of the company/ undertaking · 1.1 Product identifier Trade name: OTTOCOLL P 85 · UFI: S080-70XY-P004-CUFH 1.2 Relevant identified uses of the substance or mixture and uses advised against · Product category PC1 Adhesives, sealants · Application of the substance / the mixture Preparation of adhesives Uses advised against Observe the information in the technical data sheet · 1.3 Details of the supplier of the safety data sheet · Manufacturer/Supplier: Hermann Otto GmbH Krankenhausstraße 14 D-83413 Fridolfing Tel.: 0049/(0)8684/908-0 Fax.: 0049/(0)8684/908-1840 · Further information obtainable from: Tel.: 0049- (0)8684- 908- 2363 (-4300) E-Mail: msds@otto-chemie.de · 1.4 Emergency telephone number: +44 1865 407333 (Carechem 24) Tel.: 0049- (0) 89- 192 40 (emergency telephone no.) **SECTION 2: Hazards identification** · 2.1 Classification of the substance or mixture · Classification according to Regulation (EC) No 1272/2008 Acute Tox. 4 H332 Harmful if inhaled. Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2 H319 Causes serious eye irritation. Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. Skin Sens. 1 H317 May cause an allergic skin reaction. Carc. 2 H351 Suspected of causing cancer. STOT SE 3 H335 May cause respiratory irritation. STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure. · 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 GHS07 GHS08 · 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. H335 May cause respiratory irritation. (Contd. on page 2) ał

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Trade name: OTTOCOLL P 85

Precautionary sta	damage to organs through prolonged or repeated exposure.	f page 1
FIECAULIONARY STA		
P102	Keep out of reach of children.	
P271	Use only outdoors or in a well-ventilated area.	
P280		
	Wear protective gloves / eye protection / face protection.	
P302+P352	IF ON SKIN: Wash with plenty of water.	
P304+P312	IF INHALED: Call a POISON CENTER/doctor if you feel unwell.	
	3 IF IN EYES: Rinse cautiously with water for several minutes. Remove cont lenses, if present and easy to do. Continue rinsing. Get medical advice/atte	
Additional inform		
	isocyanates. May produce an allergic reaction.	
As from 24 August	t 2023 adequate training is required before industrial or professional use.	
2.3 Other hazards	S	
Information accord	ding to UK REACH- Annex XVII.56	
	sensitised to diisocyanates may develop allergic reactions when using this	
product.	, , , , , , , , , , , , , , , , , , ,	
	g from asthma, eczema or skin problems should avoid contact, including de	rmal
contact, with this p		
	uld not be used under conditions of poor ventilation unless a protective mas	sk with
	s filter (i.e.type A1 according to standard EN 14387) is used.	
	nd vPvB assessment	
PBT: Not applicab		
vPvB: Not applica	IDIC. I o rele origo e dio mantino a reconstituci	
	endocrine-disrupting properties	
This product door		
	not contain components that are endocrine disruptors according to UK REA	
Article 57(f) or Cor	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated	
Article 57(f) or Cor		
Article 57(f) or Cor	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated	
Article 57(f) or Cor Regulation (EU) 2	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated	
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more.	
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more.	
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description:	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more. Composition/information on ingredients	
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description:	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more.	
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description: Prepolymer, based	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more. Composition/information on ingredients d on diphenylmethandiisocyanat with monomeric and polymeric contents	
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description: Prepolymer, based Dangerous comp	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more. Composition/information on ingredients d on diphenylmethandiisocyanat with monomeric and polymeric contents conents:	
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description:	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more. Composition/information on ingredients d on diphenylmethandiisocyanat with monomeric and polymeric contents conents: mer MDI-basiertes Polyisocyanat-Prepolymer	
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description: Prepolymer, based Dangerous comp	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more. Composition/information on ingredients d on diphenylmethandiisocyanat with monomeric and polymeric contents conents: mer MDI-basiertes Polyisocyanat-Prepolymer & Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373;	<50%
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description: Prepolymer, based Dangerous comp	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more. Composition/information on ingredients d on diphenylmethandiisocyanat with monomeric and polymeric contents onents: mer MDI-basiertes Polyisocyanat-Prepolymer & Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319;	<50%
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description: Prepolymer, based Dangerous comp Reg.nr.: EG: Polyr	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more. Composition/information on ingredients d on diphenylmethandiisocyanat with monomeric and polymeric contents Conents: mer MDI-basiertes Polyisocyanat-Prepolymer 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	<50%
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description: Prepolymer, based Dangerous comp Reg.nr.: EG: Polyr CAS: 9016-87-9	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more. composition/information on ingredients d on diphenylmethandiisocyanat with monomeric and polymeric contents conents: mer MDI-basiertes Polyisocyanat-Prepolymer 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 diphenylmethanediisocyanate,isomeres and homologues	<50%
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description: Prepolymer, based Dangerous comp Reg.nr.: EG: Polyr	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more. composition/information on ingredients d on diphenylmethandiisocyanat with monomeric and polymeric contents contents: mer MDI-basiertes Polyisocyanat-Prepolymer Image: 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 diphenylmethanediisocyanate, isomeres and homologues mer Image: Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Image: Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H374; Skin Sens. 1, H354; Carc. 2, H351; STOT RE 2, H374; Skin Sens. 1, H354; Carc. 2, H351; STOT RE 2, H374; Skin Sens. 1, H354; Carc. 2, H351; STOT RE 2, H374; Skin Sens. 1, H354; Carc. 2, H355; Stot RE 2, H374; Skin Sens. 1, H354; Carc. 2, H355; Stot RE 2, H374; Skin Sens. 1, H354; Carc. 2, H355; Stot RE 2, H374; Skin Sens. 1, H354; Carc. 2, H355; Stot RE 2, H374; Skin Sens. 1, H354; Carc. 2, H355; Stot RE 2, H374; Skin Sens. 1, H354; Carc. 2, H355; Stot RE 2, H374; Skin Sens. 1, H354; Carc. 2, H355	<50% ; <10%
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description: Prepolymer, based Dangerous comp Reg.nr.: EG: Polyr CAS: 9016-87-9	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more. Composition/information on ingredients d on diphenylmethandiisocyanat with monomeric and polymeric contents onents: mer MDI-basiertes Polyisocyanat-Prepolymer 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 diphenylmethanediisocyanate,isomeres and homologues Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H310; Eye Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H310; Eye Irrit. 2, H315; Eye Irrit. 2, H319, Macute Tox. 4, H310; Eye Irrit. 2, H315; Eye Irri	<50% ; <10%
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description: Prepolymer, based Dangerous comp Reg.nr.: EG: Polyr CAS: 9016-87-9	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more. composition/information on ingredients d on diphenylmethandiisocyanat with monomeric and polymeric contents contents: mer MDI-basiertes Polyisocyanat-Prepolymer Image: 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 diphenylmethanediisocyanate, isomeres and homologues mer Image: Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Image: Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Sens. 1, H334; Carc. 2, H351; STOT RE 2, H374; Skin Sens. 1, H354; Carc. 2, H351; STOT RE 2, H374; Skin Sens. 1, H354; Carc. 2, H351; STOT RE 2, H374; Skin Sens. 1, H354; Carc. 2, H351; STOT RE 2, H374; Skin Sens. 1, H354; Carc. 2, H355; Stot RE 2, H374; Skin Sens. 1, H354; Carc. 2, H355; Stot RE 2, H374; Skin Sens. 1, H354; Carc. 2, H355; Stot RE 2, H374; Skin Sens. 1, H354; Carc. 2, H355; Stot RE 2, H374; Skin Sens. 1, H354; Carc. 2, H355; Stot RE 2, H374; Skin Sens. 1, H354; Carc. 2, H355; Stot RE 2, H374; Skin Sens. 1, H354; Carc. 2, H355	<50% ; <10%
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description: Prepolymer, based Dangerous comp Reg.nr.: EG: Polyr CAS: 9016-87-9	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more. Composition/information on ingredients d on diphenylmethandiisocyanat with monomeric and polymeric contents onents: mer MDI-basiertes Polyisocyanat-Prepolymer ♠ 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 diphenylmethanediisocyanate,isomeres and homologues mer ♠ 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	<50% ; <10%
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description: Prepolymer, based Dangerous comp Reg.nr.: EG: Polyr CAS: 9016-87-9	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more. Composition/information on ingredients d on diphenylmethandiisocyanat with monomeric and polymeric contents onents: mer MDI-basiertes Polyisocyanat-Prepolymer & 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 diphenylmethanediisocyanate,isomeres and homologues mer & 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 diphenylmethanediisocyanate,isomeres and homologues Mathematical Sciences and homologues Mathe	<50% ; <10%
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description: Prepolymer, based Dangerous comp Reg.nr.: EG: Polyr CAS: 9016-87-9	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated018/605 in quantities of 0.1% or more.composition/information on ingredientsd on diphenylmethandiisocyanat with monomeric and polymeric contentsconents:merMDI-basiertes Polyisocyanat-Prepolymer \textcircled{O} Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; \textcircled{O} Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Skin Sens. 1, H317; STOT SE 3, H335, EUH204 diphenylmethanediisocyanate, isomeres and homologuesmer \textcircled{O} Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; \textcircled{O} Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Skin Sens. 1, H317; STOT SE 3, H335, EUH204 diphenylmethanediisocyanate, isomeres and homologues \textcircled{O} Resp. Sens. 1, H317; STOT SE 3, H351; STOT RE 2, H373; \textcircled{O} 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 ≥ 5 % Skin Irrit. 2; H315; C ≥ 5 %	<50% ; <10%
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description: Prepolymer, based Dangerous comp Reg.nr.: EG: Polyr CAS: 9016-87-9	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated 018/605 in quantities of 0.1% or more. Composition/information on ingredients d on diphenylmethandiisocyanat with monomeric and polymeric contents onents: mer MDI-basiertes Polyisocyanat-Prepolymer & 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 diphenylmethanediisocyanate,isomeres and homologues mer & 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 diphenylmethanediisocyanate,isomeres and homologues MOI-basiertes Polyisocyanate, isomeres and homologues MOI-basiertes P	<50% ; <10%
Article 57(f) or Cor Regulation (EU) 2 SECTION 3: C 3.2 Mixtures Description: Prepolymer, based Dangerous comp Reg.nr.: EG: Polyr CAS: 9016-87-9	mmission Delegated Regulation (EU) 2017/2100 or Commission Delegated018/605 in quantities of 0.1% or more.composition/information on ingredientsd on diphenylmethandiisocyanat with monomeric and polymeric contentsconents:merMDI-basiertes Polyisocyanat-Prepolymer \textcircled{O} Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; \textcircled{O} Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Skin Sens. 1, H317; STOT SE 3, H335, EUH204 diphenylmethanediisocyanate, isomeres and homologuesmer \textcircled{O} Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; \textcircled{O} Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319, Skin Sens. 1, H317; STOT SE 3, H335, EUH204 diphenylmethanediisocyanate, isomeres and homologues \textcircled{O} Resp. Sens. 1, H317; STOT SE 3, H351; STOT RE 2, H373; \textcircled{O} 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 ≥ 5 % Skin Irrit. 2; H315; C ≥ 5 %	<50% ; <10%

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Trade name: OTTOCOLL P 85

	(Contd. of p	age 2)
CAS: 101-68-8	diphenylmethane-4,4'-di-isocyanante	<5%
EINECS: 202-966-0	Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; (xx () Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319;	
Reg.m. 01-2119457014-47-X	Skin Sens. 1, H317; STOT SE 3, H335, EUH204	
	Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 %	
	Skin Irrit. 2; H315: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1	
	%	
	STOT SE 3; H335: C ≥ 5 %	=0 (
CAS: 5873-54-1 EINECS: 227-534-9	diphenylmethane-2,4'-diisocyanate � Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373;	<5%
	(xx ሱ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319;	
	Škin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Eve Irrit. 2: H310: $C > 5.\%$	
	Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	
	Resp. Sens. 1; H334: C ≥ 0.1	
	% STOT SE 3; H335: C ≥ 5 %	
Additional information		
	azard phrases refer to section 16. risk of inhalation are inextricably bound in the product and therefo	ore
	of the product for inhalation hazards. Due to the product's physical	
properties, particulate inhalation		
SECTION 4: First aid m	easures	
• 4.1 Description of first aid m • General information		
• 4.1 Description of first aid m • General information Immediately remove any cloth	easures ing soiled by the product.	
• 4.1 Description of first aid m • General information Immediately remove any cloth	easures ing soiled by the product. ven occur after several hours; therefore medical observation for a	at
• 4.1 Description of first aid m • General information Immediately remove any cloth Symptoms of poisoning may e least 48 hours after the accide • After inhalation	easures ing soiled by the product. ven occur after several hours; therefore medical observation for a nt.	at
 4.1 Description of first aid m General information Immediately remove any cloth Symptoms of poisoning may e least 48 hours after the accide After inhalation Supply fresh air. If required, pr 	easures ing soiled by the product. ven occur after several hours; therefore medical observation for a	at
• 4.1 Description of first aid m • General information Immediately remove any cloth Symptoms of poisoning may e least 48 hours after the accide • After inhalation	easures ing soiled by the product. ven occur after several hours; therefore medical observation for a nt.	at
 4.1 Description of first aid m General information Immediately remove any cloth Symptoms of poisoning may e least 48 hours after the accide After inhalation Supply fresh air. If required, pr symptoms persist. After skin contact Immediately wash with water a 	easures ing soiled by the product. ven occur after several hours; therefore medical observation for a nt. rovide artificial respiration. Keep patient warm. Consult doctor if and soap and rinse thoroughly.	at
 4.1 Description of first aid m General information Immediately remove any cloth. Symptoms of poisoning may e least 48 hours after the accide After inhalation Supply fresh air. If required, pr symptoms persist. After skin contact Immediately wash with water a If skin irritation continues, const 	easures ing soiled by the product. ven occur after several hours; therefore medical observation for a nt. rovide artificial respiration. Keep patient warm. Consult doctor if and soap and rinse thoroughly.	at
 4.1 Description of first aid m General information Immediately remove any cloth. Symptoms of poisoning may e least 48 hours after the accide After inhalation Supply fresh air. If required, pr symptoms persist. After skin contact Immediately wash with water a If skin irritation continues, cons After eye contact Rinse opened eye for several 	easures ing soiled by the product. ven occur after several hours; therefore medical observation for a nt. rovide artificial respiration. Keep patient warm. Consult doctor if and soap and rinse thoroughly.	at
 4.1 Description of first aid m General information Immediately remove any cloth. Symptoms of poisoning may e least 48 hours after the accide After inhalation Supply fresh air. If required, pr symptoms persist. After skin contact Immediately wash with water a If skin irritation continues, cons After eye contact Rinse opened eye for several a 	easures ing soiled by the product. ven occur after several hours; therefore medical observation for a nt. ovide artificial respiration. Keep patient warm. Consult doctor if and soap and rinse thoroughly. sult a doctor. minutes under running water. Then consult a doctor.	at
 4.1 Description of first aid m General information Immediately remove any cloth Symptoms of poisoning may e least 48 hours after the accide After inhalation Supply fresh air. If required, pr symptoms persist. After skin contact Immediately wash with water a If skin irritation continues, cons After eye contact Rinse opened eye for several a After swallowing Do not induce vomiting; call for 	easures ing soiled by the product. ven occur after several hours; therefore medical observation for a nt. rovide artificial respiration. Keep patient warm. Consult doctor if and soap and rinse thoroughly. sult a doctor.	at
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· 5.1 Extinguishing media

· Suitable extinguishing agents

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

Formation of toxic gases is possible during heating or in case of fire.

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- 5.3 Advice for firefighters
- · Protective equipment:

Mount respiratory protective device. Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation
- · 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
- Dispose contaminated material as waste according to section 13.
- [•] 6.4 Reference to other sections
- See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling

- Ensure good ventilation/exhaustion at the workplace.
- see item 8: Personal protective equipment
- · Information about fire and explosion protection: Keep ignition sources away Do not smoke.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.
- · Information about storage in one common storage facility: Store away from foodstuffs.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.
- · 7.3 Specific end use(s) No further relevant information available.

OFOTION O. F.		/	
SECTION 8: EX	posure controls		0] (0] (- [0] ([0] (]

· 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

WEL Short-term value: 0.07 mg/m³ Long-term value: 0.02 mg/m³ Sen: as -NCO

101-68-8 diphenylmethane-4,4'-di-isocyanante

WEL Short-term value: 0.07 mg/m³ Long-term value: 0.02 mg/m³ Sen; as -NCO

5873-54-1 diphenylmethane-2,4'-diisocyanate

WEL Short-term value: 0.07 mg/m³ Long-term value: 0.02 mg/m³ Sen; as -NCO

· Ingredients with biological limit values:

101-68-8 diphenylmethane-4,4'-di-isocyanante

BMGV 1 µmol creatinine/mol Medium: urine Sampling time: At the end of the period od exposure Parameter: isocyanate-derived diamine

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5873-54-1 diphenylmethane-2,4'-diisc	
	ocyanate
BMGV 1 µmol creatinine/mol	-
Medium: urine	
Sampling time: At the end of the	period od exposure
Parameter: isocyanate-derived of	
Additional information: The lists valid	
8.2 Exposure controls	for the second
Appropriate engineering controls No	
Individual protection measures, such	
General protective and hygienic mea	to be adhered to when handling chemicals.
Wash hands before breaks and at the e	
Avoid contact with the eyes and skin.	
Respiratory protection:	
	conditions of poor ventilation unless a protective mask with
an appropriate gas filter (i.e.type A1 acc	
Hand protection Protective gloves.	3 1 1 1 1 1 1 1 1 1 1
Material of gloves	
	es not only depend on the material, but also on further mar
of quality and varies from manufacturer	
Recommended glove types: nitrile rubbe	
Recommended thickness of the materia	
Penetration time of glove material Bro	
Eye/face protection Safety glasses	-
Body protection: Protective work cloth	ning.
SECTION 9: Physical and chen	nical properties
SECTION 9: Physical and chen	nical properties
SECTION 9: Physical and chern 9.1 Information on basic physical and	
9.1 Information on basic physical and	
9.1 Information on basic physical and General Information Physical state	
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• 9.2 Other information	
· Form:	pasty
 Ignition temperature: 	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
 Information with regard to physic classes 	ical hazard
· Aerosols	Void
· Flammable liquids	Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

- 10.2 Chemical stability
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications. Avoid strong heating.
- **10.3 Possibility of hazardous reactions** Reacts with alcohols Reacts with amines Exothermic reaction
- **10.4 Conditions to avoid** No further relevant information available.
- [•] 10.5 Incompatible materials:

If isocyanate gets in contact with humidity, carbon dioxide is released. The carbon dioxide causes an overpressure in closed containers.

· 10.6 Hazardous decomposition products: see item 5.2

SECTION 11: Toxicological information

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

· Acute toxicity Harmful if inhaled.

LD/LC50 values relevant for classification:

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

Oral LD50 >10,000 mg/kg (rat)

Dermal LD50 >9,400 mg/kg (rabbit)

Inhalative LC50/4 h 0.49 mg/l (rat)

101-68-8 diphenylmethane-4,4'-di-isocyanante

Oral LD50 >10,000 mg/kg (rat)

Dermal LD50 >9,400 mg/kg (rabbit)

5873-54-1 diphenylmethane-2,4'-diisocyanate

Oral LD50 >2,000 mg/kg (rat)

Dermal LD50 9,400 mg/kg (rabbit)

Inhalative LC50/4 h 0.387 mg/l (rat)

· Primary irritant effect:

· Skin corrosion/irritation Causes skin irritation.

• Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation

Sensitive people may react strongly to minimal concentrations. We advise asthmatics and people who tend to diseases of the respiratory tracts against the contact with this product. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Suspected of causing cancer.

• *Reproductive toxicity* Based on available data, the classification criteria are not met.

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- · 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 Toxicity No further relevant information available
- **12.2 Persistence and degradability** No further relevant information available.
- · Other information: Product is not biodegradable.
- · 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties

This product does not contain components that are endocrine disruptors according to UK REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

- 12.7 Other adverse effects
- · Remark: Due to mechanical actions of the product (e.g. agglutinations) damages may occur.
- · Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system.

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

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

- Recommendation
- Observe local by-laws.

Already cured material can be disposed of with the domestic or commercial waste. Unconsumed material (fluid, paste-like) is to dispose of as hazardous waste.

- · Uncleaned packaging:
- Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

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	<i>(</i> -
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Safety data sheet

according to UK REACH

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- (Contd. of page 7) 14.6 Special precautions for user Not applicable. · 14.7 Maritime transport in bulk according to IMO instruments Not applicable. · Transport/Additional information: Not dangerous according to the above specifications. Void
- · UN "Model Regulation":

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. REGULATION (EC) No 1907/2006 ANNEX XVII No. 56 for general public No. 74 for commercial/industrial users Conditions of restriction: 3, 56a, 56b, 74 DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II None of the ingredients is listed. · REGULATION (EU) 2019/1148 Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)) None of the ingredients is listed. Annex II - REPORTABLE EXPLOSIVES PRECURSORS None of the ingredients is listed. Regulation (EC) No 273/2004 on drug precursors None of the ingredients is listed. Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors None of the ingredients is listed. · National regulations · Information about limitation of use: Employment restrictions concerning juveniles must be observed. Employment restrictions concerning pregnant and lactating women must be observed. · Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- · Details of international registration status: Listed on or in accordance with the following inventories: NZIoC - New Zealand listed PICCS - Philippines not listed TCSI - Taiwan listed UK REACH - Europe listed AICS - Australia listed DSL- Canada listed IECSC - China listed ENCS - Japan listed ECL - Korea listed

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TSCA - USA listed

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· 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. This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· 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.
- H351 Suspected of causing cancer.
- H373 May cause damage to organs through prolonged or repeated exposure.

EUH204 Contains isocyanates. May produce an allergic reaction.

Date of previous version: 28.07.2022

- Version number of previous version: 5
- Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: 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, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Acute Tox. 4: Acute toxicity - Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Resp. Sens. 1: Respiratory sensitisation - Category 1 Skin Sens. 1: Skin sensitisation - Category 1 Carc. 2: Carcinogenicity - Category 2 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2 • * Data compared to the previous version altered.