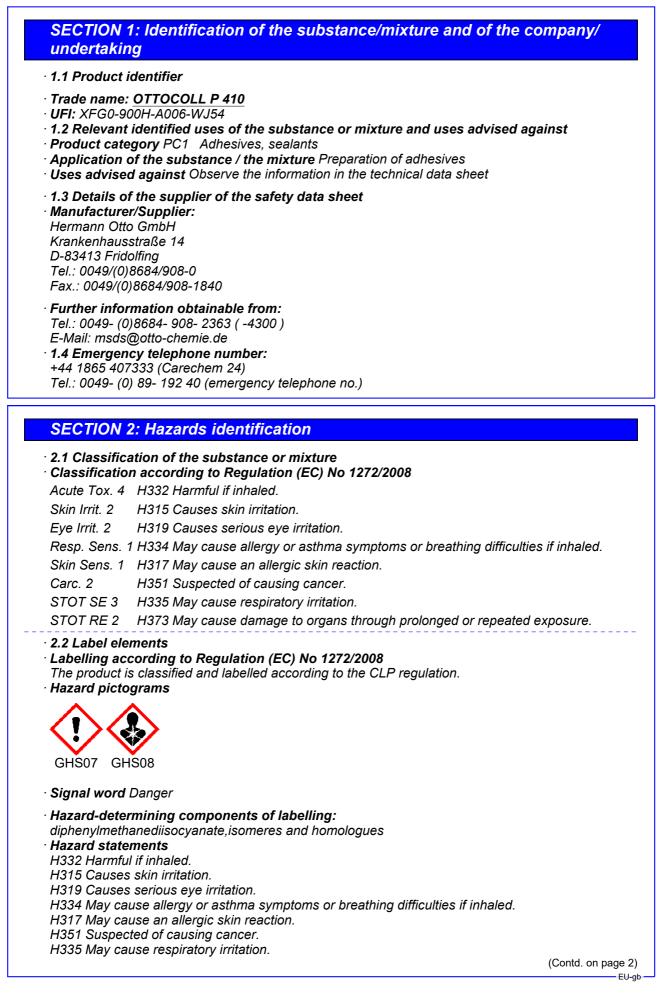
according to Regulation (EC) No 1907/2006, Article 31

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Version 5 (replaces version 4)

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Precautionary state					
	mage to organs through prolonged or repeated exposure.				
1 102 //	eep out of reach of children.				
	se only outdoors or in a well-ventilated area.				
	/ear protective gloves / eye protection.				
	SWALLOWED: Immediately call a POISON CENTER/ doctor.				
	ON SKIN: Wash with plenty of soap and water.				
	INHALED: Call a POISON CENTER/doctor if you feel unwell.				
	IN EYES: Rinse cautiously with water for several minutes. Remove				
lenses, if present and easy to do. Continue rinsing. Get medical advice/attention					
Additional information:					
	ocyanates. May produce an allergic reaction.				
	023 adequate training is required before industrial or professional use	9.			
2.3 Other hazards					
	g to REACH- Annex XVII.56				
	nsitised to diisocyanates may develop allergic reactions when using a	this			
product.					
	rom asthma, eczema or skin problems should avoid contact, including	g dermal			
	contact, with this product.				
	not be used under conditions of poor ventilation unless a protective	mask witi			
	Iter (i.e.type A1 according to standard EN 14387) is used.				
· Results of PBT and					
• PBT: Not applicable.					
· vPvB: Not applicable					
· Determination of en	ndocrine-disrupting properties				
	ot contain components that are endocrine disruptors according to RE	АСН			
	nission Delegated Regulation (EU) 2017/2100 or Commission Delega				
	8/605 in quantities of 0.1% or more.				
5 ()					
5 (<i>'</i>					
/	·				
/	nposition/information on ingredients				
SECTION 3: Con	·				
SECTION 3: Con 3.2 Mixtures	·				
SECTION 3: Con 3.2 Mixtures Description:	nposition/information on ingredients	s			
SECTION 3: Con 3.2 Mixtures Description: Prepolymer, based o	mposition/information on ingredients	s			
SECTION 3: Con 3.2 Mixtures Description: Prepolymer, based o Dangerous comport	mposition/information on ingredients on diphenylmethandiisocyanat with monomeric and polymeric content ments:				
SECTION 3: Con 3.2 Mixtures Description: Prepolymer, based o Dangerous comport	mposition/information on ingredients on diphenylmethandiisocyanat with monomeric and polymeric content ments: r MDI-basiertes Polyisocyanat-Prepolymer				
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SECTION 3: Con 3.2 Mixtures • Description: Prepolymer, based o • Dangerous compon Reg.nr.: EG: Polymer	mposition/information on ingredients on diphenylmethandiisocyanat with monomeric and polymeric content nents: r 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	50-1009			
SECTION 3: Con • 3.2 Mixtures • Description: Prepolymer, based o • Dangerous compon Reg.nr.: EG: Polymer CAS: 9016-87-9	mposition/information on ingredients on diphenylmethandiisocyanat with monomeric and polymeric content nents: r 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				
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SECTION 3: Con 3.2 Mixtures Description: Prepolymer, based o Dangerous compon Reg.nr.: EG: Polymer CAS: 9016-87-9	mposition/information on ingredients on diphenylmethandiisocyanat with monomeric and polymeric content nents: r 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	50-1009			
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SECTION 3: Con 3.2 Mixtures Description: Prepolymer, based o Dangerous compon Reg.nr.: EG: Polymer CAS: 9016-87-9 Reg.nr.: EG: Polymer Additional informat For the wording of the Particulate raw mater	mposition/information on ingredients on diphenylmethandiisocyanat with monomeric and polymeric content nents: r MDI-basiertes Polyisocyanat-Prepolymer	50-1009 <50%			

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	1.1 Description of first aid measures
	General information
	mmediately remove any clothing soiled by the product.
	Symptoms of poisoning may even occur after several hours; therefore medical observation for at east 48 hours after the accident.
	After inhalation
s	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
	After skin contact
	mmediately wash with water and soap and rinse thoroughly.
	f skin irritation continues, consult a doctor.
	A fter eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.
	After swallowing
	o not induce vomiting; call for medical help immediately. Show container or label.
	.2 Most important symptoms and effects, both acute and delayed
	lo further relevant information available.
	1.3 Indication of any immediate medical attention and special treatment needed
	The product irritates the respiratory tract and is a potential trigger for skin and respiratory
	rensitisation. Treatment of acute irritation or bronchial constriction is primarily symptomatic.
	Depending on the extent of exposure and the symptoms, prolonged medical treatment may be necessary.
_	
9	SECTION 5: Firefighting measures
	5.1 Extinguishing media
	Suitable extinguishing agents
	CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
F	For safety reasons unsuitable extinguishing agents Water with full jet.

· 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 13 for disposal information.

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

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(Contd. of page 3) · 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.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:
- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures The usual precautionary measures are to be adhered to when handling chemicals. Wash hands before breaks and at the end of work. Avoid contact with the eves and skin.
- Respiratory protection: This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e.type A1 according to standard EN 14387) is used.
- · Hand protection Protective gloves.
- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Recommended glove types: nitrile rubber

Recommended thickness of the material: >0.4 mm

- · Penetration time of glove material Breakthrough time: 10 30 min
- · Eye/face protection Safety glasses
- Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

	1.1
Physical state	Liquid
Colour:	Brown
Odour:	Characteristic
Melting point/freezing point:	undetermined
Boiling point or initial boiling poir	nt and
boiling range	>300 °C
Flammability	Not determined.
Lower and upper explosion limit	
Lower:	not applicable
Upper:	not applicable
Flash point:	>200 °C
Auto-ignition temperature:	>400 °C
Decomposition temperature:	Not determined.
oH	Not determined.
Viscosity:	Not determined.

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· Solubility		
· Water:	Hydrolized	
 Partition coefficient n-octanol/water (log 		
value)	Not determined.	
Vapour pressure:	Not determined.	
Density and/or relative density		
Density:	see technical data sheet	
Relative density	Not determined.	
· Vapour density	Not applicable.	
 Particle characteristics 	undetermined	
· 9.2 Other information		
· Form:	Fluid	
Ignition temperature:	Not determined.	
· Explosive properties:	Not determined.	
Information with regard to physical hazard	1	
classes		
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)

· 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.

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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 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 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	
-		(Conte

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Safety data sheet according to Regulation (EC) No 1907/2006, Article 31 Printing date 14.05.2025 Version 5 (replaces version 4) Trade name: OTTOCOLL P 410 (Contd. of page 6) 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. · UN "Model Regulation": Void SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture · Directive 2012/18/EU · Named dangerous substances - ANNEX I 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 DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II None of the inaredients 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 inaredients 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: REACH - Europe listed AICS - Australia listed DSL- Canada listed IECSC - China listed ENCS - Japan listed NZIOC - New Zealand listed PICCS - Philippines listed ECL - Korea listed TSCA - USA listed TCSI - Taiwan listed 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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	ON 16: Other information
for any s _i This Safe	rmation is based on our present knowledge. However, this shall not constitute a guarante pecific product features and shall not establish a legally valid contractual relationship. ety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as d by Regulation (EU) 2020/878.
Relevan	t phrases
	Causes skin irritation.
	May cause an allergic skin reaction.
-	Causes serious eye irritation.
	Harmful if inhaled.
	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	May cause respiratory irritation.
	Suspected of causing cancer.
	May cause damage to organs through prolonged or repeated exposure.
	Contains isocyanates. May produce an allergic reaction.
	number of previous version: 4
	ations and acronyms:
	ment international concernant le transport des marchandises dangereuses par chemin de fer (Regulations
	g the International Transport of Dangerous Goods by Rail) : Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
	rnational Civil Aviation Organisation
	echnical Instructions by the "International Civil Aviation Organisation" (ICAO)
	rd relatif au transport international des marchandises dangereuses par route (European Agreement Concerni
	tional Carriage of Dangerous Goods by Road)
	rnational Maritime Code for Dangerous Goods
	national Air Transport Association
	ally Harmonised System of Classification and Labelling of Chemicals
	European Inventory of Existing Commercial Chemical Substances European List of Notified Chemical Substances
	nical Abstracts Service (division of the American Chemical Society)
	al concentration, 50 percent
LD50: Leth	al dose, 50 percent
	stent, Bioaccumulative and Toxic
	Persistent and very Bioaccumulative
	4: Acute toxicity – Category 4
	: Skin corrosion/irritation – Category 2 Serious eye damage/eye irritation – Category 2
	s. 1: Respiratory sensitisation – Category 1
	1: Skin sensitisation – Category 1
	arcinogenicity – Category 2
STOT SE 3	3: Specific target organ toxicity (single exposure) – Category 3
STOT RE	2: Specific target organ toxicity (repeated exposure) – Category 2