

## Safety Data Sheet

according to UK REACH Regulation

**0860031TP\_771460\_113049\_1-K-PU-Pistolenschaum**

Revision date: 09.02.2024

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

#### 1.1. Product identifier

0860031TP\_771460\_113049\_1-K-PU-Pistolenschaum

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

Adhesives, sealants

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

Company name: tprosafe GmbH  
Street: Industriestraße 8  
Place: D-36137 Großenlüder  
Telephone: +49 6648 628944  
E-mail: gefahrstoffmanagement@langgroup.de  
Internet: www.tprosafe.de  
Responsible Department: Qualitätssicherung  
Mo.-Do.: 07:15 - 16:00  
Fr.: 07:15 - 14:00

### SECTION 2: Hazards identification

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

##### GB CLP Regulation

Aerosol 1; H222-H229  
Acute Tox. 4; H332  
Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
Resp. Sens. 1; H334  
Skin Sens. 1; H317  
Carc. 2; H351  
STOT SE 3; H335  
STOT RE 2; H373

Full text of hazard statements: see SECTION 16.

#### 2.2. Label elements

##### GB CLP Regulation

##### Hazard components for labelling

Diphenylmethandiisocyanat (Isomere/Homologe)

Signal word: Danger

Pictograms:



##### Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
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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H351 Suspected of causing cancer.  
H373 May cause damage to organs through prolonged or repeated exposure.

### Precautionary statements

P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P302+P352 IF ON SKIN: Wash with plenty of Water and soap.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P501 Dispose of contents/container to in accordance with local regulations of the disposal.

### Special labelling of certain mixtures

EUH204 Contains isocyanates. May produce an allergic reaction.  
Persons already sensitised to diisocyanates may develop allergic reactions when using this product.  
Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.  
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.

### Additional advice on labelling

COMMISSION REGULATION (EU) 2020/1149 amending Annex XVII to Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on registration, evaluation, authorization and Restriction of chemical substances (REACH) regarding diisocyanates: From August 24, 2023, must apply appropriate training must be provided for industrial or commercial use. Keep away from sources of ignition - No smoking.

### 2.3. Other hazards

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### Adverse physicochemical effects

Pressurised container: May burst if heated. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Vapours can form explosive mixtures with air.

### Adverse human health effects and symptoms

Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation. Causes skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard). Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this product is used.

### Adverse environmental effects

No harm to water organisms up to the tested concentration.

### Other adverse effects:

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. The product does not contain substances with endocrine disrupting properties.

The substance methylene diphenyl diisocyanate (MDI), including some specific monomers, has been listed (EU Regulation 552/2009) in Annex XVII (Entry 56) of the REACH Regulation (Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles). ) recorded.

Diisocyanates, O = C=N-R-N = C=O: are (EU Regulation 2020/1149) in Annex XVII (Entry 74) of the REACH Regulation.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Prepolymer (mixed polyol and polymeric isocyanate) with freon-free, low-boiling blowing medium.

#### Relevant ingredients

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	Classification (GB CLP Regulation)	
9016-87-9	Diphenylmethandiisocyanat (Isomere/Homologe)	30-60 %
	618-498-9	
	Carc. 2, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, STOT SE 3, STOT RE 2; H351 H332 H315 H319 H334 H317 H335 H373	
1244733-77-4	TCPP	15-<20 %
	807-935-0	01-2119486772-26
	Acute Tox. 4, Aquatic Chronic 3; H302 H412	
75-28-5	Isobutan	5-10 %
	200-857-2	01-2119485395-27
	Flam. Gas 1A, Press. Gas (Liq.); H220 H280	
115-10-6	Dimethylether	5-10 %
	204-065-8	01-2119472128-37
	Flam. Gas 1A, Press. Gas (Comp.); H220 H280	
74-98-6	propane	1-5 %
	200-827-9	01-2119486944-21
	Flam. Gas 1, Press. Gas (Liq.); H220 H280	

Full text of H and EUH statements: see section 16.

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### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
9016-87-9	618-498-9	Diphenylmethandiisocyanat (Isomere/Homologe)	30-60 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: LC50 = 0,31 mg/l (dusts or mists); dermal: LD50 = >9400 mg/kg; oral: LD50 = >2000 mg/kg	
1244733-77-4	807-935-0	TCPP	15-<20 %
		inhalation: LC50 = >4,6 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = 632 mg/kg	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

First aider: Pay attention to self-protection! Use personal protection equipment.

#### After inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician. Get immediate medical advice/attention.

#### After contact with skin

If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

#### After ingestion

not applicable - The product is a foam aerosol.

Put victim at rest, cover with a blanket and keep warm. Get immediate medical advice/attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Skin corrosion/irritation. Allergic reactions Serious eye damage/eye irritation

Asthmatic complaints. difficulties of breathing. Irritation to respiratory tract. vomiting. diarrhea (Diarrhöe)

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Sand. earth.

#### Unsuitable extinguishing media

High power water jet.

Use water spray jet to protect personnel and to cool endangered containers.

### 5.2. Special hazards arising from the substance or mixture

Highly flammable liquid and vapour. In case of fire may be liberated: carbon black, Carbon dioxide, aldehydes

Do not breathe mist/vapours/spray. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Reignition possible over considerable distance.

Upper/lower flammability or explosive limits 1,5-1,6 %

Remove all sources of ignition. (if possible without risk )

Hazardous combustion products

In case of fire: Gas/vapours, toxic.

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### **5.3. Advice for firefighters**

Use water spray jet to protect personnel and to cool endangered containers.  
Wear a self-contained breathing apparatus and chemical protective clothing.

### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## **SECTION 6: Accidental release measures**

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

#### **For non-emergency personnel**

Personal precautions:  
Remove persons to safety. Avoid contact with skin, eyes and clothes. Do not breathe gas/fumes/vapour/spray.  
Provide adequate ventilation. Remove all sources of ignition. Vapours are heavier than air. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches.  
Protective equipment:  
Wear protective gloves/protective clothing/eye protection/face protection.

#### **For emergency responders**

Personal protection equipment: see section 8

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

### **6.3. Methods and material for containment and cleaning up**

#### **For containment**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Remove mechanically (e.g. dab away using wadding or cellulose material) then thoroughly wash the affected skin with a mild cleansing agent and water.

#### **For cleaning up**

Uncured foam can be removed with PU CLEANER or organic solvents such as acetone.

#### **Other information**

Use appropriate container to avoid environmental contamination.

### **6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

Use appropriate container to avoid environmental contamination.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Personal protection equipment: see section 8  
Do not breathe dust/fume/gas/mist/vapours/spray. Provide adequate ventilation. When using do not smoke.  
Remove all sources of ignition. Take precautionary measures against static discharges.

#### **Advice on protection against fire and explosion**

Store in a dry place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Keep out of the reach of children. Caution! Container under pressure.

#### **Advice on general occupational hygiene**

When using do not eat, drink or smoke. Avoid contact with eyes and skin. Keep out of the reach of children.

#### **Further information on handling**

Measures to prevent aerosol and dust accumulation: Keep away from sources of ignition - No smoking.

### **7.2. Conditions for safe storage, including any incompatibilities**

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### Requirements for storage rooms and vessels

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels: When using do not smoke.

### Hints on joint storage

Keep away from: Food and feedingstuffs. Keep out of the reach of children.

### Further information on storage conditions

Pressurised container: May burst if heated. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

### 7.3. Specific end use(s)

The product will be applied by spraying.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
115-10-6	Dimethyl ether	400	766		TWA (8 h)	WEL
		500	958		STEL (15 min)	WEL

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### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
9016-87-9	Diphenylmethandiisocyanat (Isomere/Homologe)			
Worker DNEL, long-term		inhalation	local	0,05 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	0,1 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	0,025 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	local	0,05 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	systemic	0,05 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	0,025 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	systemic	0,1 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	systemic	0,05 mg/m <sup>3</sup>
Worker DNEL, acute		dermal	systemic	50 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	25 mg/kg bw/day
Worker DNEL, acute		dermal	local	28,7 mg/cm <sup>2</sup>
Consumer DNEL, acute		dermal	local	17,2 mg/cm <sup>2</sup>
Consumer DNEL, acute		oral	systemic	20 mg/kg bw/day
1244733-77-4	TCCP			
Worker DNEL, long-term		inhalation	systemic	8,2 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	1,45 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	22,6 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	systemic	5,6 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	local	0,52 mg/person/day
Consumer DNEL, acute		oral	systemic	2 mg/kg bw/day
115-10-6	Dimethylether			
Worker DNEL, long-term		inhalation	systemic	1894 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	471 mg/m <sup>3</sup>

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### PNEC values

CAS No	Substance	Value
Environmental compartment		
9016-87-9	Diphenylmethandiisocyanat (Isomere/Homologe)	
Freshwater		1 mg/l
Freshwater (intermittent releases)		10 mg/l
Marine water		0,1 mg/l
Micro-organisms in sewage treatment plants (STP)		1 mg/l
Soil		1 mg/kg
1244733-77-4	TCPP	
Freshwater		0,32 mg/l
Marine water		0,032 mg/l
Freshwater sediment		11,5 mg/kg
Marine sediment		1,15 mg/kg
Secondary poisoning		11,6 mg/kg
Micro-organisms in sewage treatment plants (STP)		19,1 mg/l
Soil		0,34 mg/kg
115-10-6	Dimethylether	
Freshwater		0,155 mg/l
Freshwater (intermittent releases)		1,549 mg/l
Marine water		0,016 mg/l
Freshwater sediment		0,681 mg/kg
Marine sediment		0,069 mg/kg
Micro-organisms in sewage treatment plants (STP)		160 mg/l
Soil		0,045 mg/kg

### 8.2. Exposure controls



#### Appropriate engineering controls

No special measures are necessary. Use only in well-ventilated areas. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothes. Take off immediately all contaminated clothing and wash it before reuse. Wash hands before breaks and after work. Avoid contact during pregnancy and while nursing.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Eye glasses with side protection DIN EN 166

##### Hand protection

Tested protective gloves must be worn EN ISO 374

Butyl rubber. FKM (fluororubber). polyethylene. CR (polychloroprenes, Chloroprene rubber). NBR (Nitrile rubber). PVC (Polyvinyl chloride).

penetration time (maximum wearing period): 480 min.

In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.



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### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.  
In case of inadequate ventilation wear respiratory protection.

### Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

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

Physical state: Aerosol (liquid )  
Colour: not determined  
Odour: not determined

#### Test method

Melting point/freezing point:	MDI: <0 °C	
Boiling point or initial boiling point and boiling range:	No data available	
Lower explosion limits:	1,5 vol. %	
Upper explosion limits:	16 vol. %	
Flash point:	MDI: >200 °C	
Auto-ignition temperature:	>350 °C	DIN 51794
pH-Value:	No data available	
Viscosity / kinematic: (at 20 °C)	= 200 mm <sup>2</sup> /s	
Water solubility:	practically insoluble	
Partition coefficient n-octanol/water:	not determined	
Vapour pressure: (at 20 °C)	<0,7 hPa	
Density (at 20 °C):	1-1,2 g/cm <sup>3</sup>	
Bulk density:	not applicable	

### 9.2. Other information

#### Other safety characteristics

Evaporation rate: No data available

#### Further Information

Evaporation rate: Release of: Propellant gas. The resulting PU foam does not evaporate.  
Conductivity: The product is not: conductive

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Pressurised container: May burst if heated.  
The product is stable under storage at normal ambient temperatures.

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

Reacts vigorously with water, including moisture in the air. Formation of: Carbon dioxide.  
Pressurised container: May burst if heated.  
Strong acid: Hydrogen peroxide, Nitric acid.

### 10.4. Conditions to avoid

No flash point according to standard method. Do not spray on an open flame or other ignition source.  
No hazardous reaction when handled and stored according to provisions.

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### 10.5. Incompatible materials

Strong acid, Oxidizing agent, Water. Hydrogen peroxide, Nitric acid.

### 10.6. Hazardous decomposition products

none

In case of fire may be liberated: gas , Hydrocarbons, aldehydes, carbon black

### Further information

Heating causes rise in pressure with risk of bursting.

After being sprayed out, it reacts with water and hardens as PU foam.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in GB CLP Regulation

#### Acute toxicity

Harmful if inhaled.

#### ATEmix calculated

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) 3,000 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
9016-87-9	Diphenylmethandiisocyanat (Isomere/Homologe)				
	oral	LD50 >2000 mg/kg	Rat.		
	dermal	LD50 >9400 mg/kg	Rabbit.		
	inhalation vapour	ATE 11 mg/l			
	inhalation (4 h) dust/mist	LC50 0,31 mg/l	Rat.		
1244733-77-4	TCPP				
	oral	LD50 632 mg/kg	Rat.		
	dermal	LD50 >2000 mg/kg	Rat.		
	inhalation (1 h) dust/mist	LC50 >4,6 mg/l	Rat.		

#### Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Skin corrosion/irritation: Causes burns.

#### Sensitising effects

May cause allergy or asthma symptoms or breathing difficulties if inhaled. (Diphenylmethandiisocyanat (Isomere/Homologe))

May cause an allergic skin reaction. (Diphenylmethandiisocyanat (Isomere/Homologe))

Contains isocyanates. May produce an allergic reaction.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of causing cancer. (Diphenylmethandiisocyanat (Isomere/Homologe))

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

#### STOT-single exposure

May cause respiratory irritation. (Diphenylmethandiisocyanat (Isomere/Homologe))

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### STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (Diphenylmethandiisocyanat (Isomere/Homologe))

### Aspiration hazard

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

### 11.2. Information on other hazards

#### Endocrine disrupting properties

Contains no endocrine disruptor (EDC) at a concentration of > 0.1%.

## SECTION 12: Ecological information

### 12.1. Toxicity

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

#### Aquatic toxicity

The mixture (contents of the can after spraying - PU foam) is insoluble in water and spreads on the water surface. Toxicity to soil macroorganisms except of arthropods: NOEC >1.000 mg/kg Eisenia fetida, Exposure time 14 days

Toxicity to terrestrial plants: NOEC (germination) > 1.000 mg/kg Avena sativa, Exposure time 14 days

NOEC rapidity of growth > 1.000 mg/kg Avena sativa, NOEC (germination) >1.000 mg/kg Lactuca sativa.

Exposure time 14 days ;

NOEC rapidity of growth >1.000 mg/kg Lactuca sativa

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
9016-87-9	Diphenylmethandiisocyanat (Isomere/Homologe)					
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Danio rerio (zebrafish)	OECD 203	
	Acute algae toxicity	ErC50 >1640 mg/l	72 h	Scenedesmus subspicatus	OECD 201	
	Acute crustacea toxicity	EC50 >1000 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202	
	Crustacea toxicity	NOEC >10 mg/l	21 d	Daphnia magna (Big water flea) Daphnia magna (Big water flea)		OECD 202
	Acute bacteria toxicity	EC50 >100 mg/l ( )				
1244733-77-4	TCPP					
	Acute fish toxicity	LC50 51 mg/l	96 h	Pimephales promelas (fathead minnow)		
	Acute algae toxicity	ErC50 82 mg/l	72 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 131 mg/l	48 h	Daphnia magna (Big water flea)		
	Algae toxicity	NOEC 13 mg/l	3 d	Pseudokirchneriella subcapitata Daphnia magna (Big water flea)		
	Crustacea toxicity	NOEC 32 mg/l	21 d	Daphnia magna (Big water flea)		

### 12.2. Persistence and degradability

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
9016-87-9	Diphenylmethandiisocyanat (Isomere/Homologe)			
	OECD 302 C	0 %	28	
	Yes, slowly.			
1244733-77-4	TCPP			
		0		
	Yes, rapidly. Evidence for inherent biodegradability.			

### 12.3. Bioaccumulative potential

Diphenylmethane diisocyanate (isomers/homologs) : <14 (OECD 305), Cyprinus carpio (Common Carp) ,  
 Exposure time: 42 d, Dose / Concentration : 0,2 mg/l.

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
1244733-77-4	TCPP	2,68

### BCF

CAS No	Chemical name	BCF	Species	Source
9016-87-9	Diphenylmethandiisocyanat (Isomere/Homologe)	<14	Cyprinus carpio (Common Carp) (42 d)	OECD 305 C

### 12.4. Mobility in soil

TCPP: Partition coefficient n-octanol/water (log value) - 174

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### 12.7. Other adverse effects

Isocyanates. Reacts violently with water. Formation of a solid, insoluble reaction product with a high dew point (polyurea).

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Do not mix with other wastes. Do not allow to enter into surface water or drains.

Waste codes/waste designations according to EWC/AVV

Waste key product:

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

08 04 09 \* Waste adhesives and sealants containing organic solvents or other dangerous substances

Remark: Material that has not hardened must be disposed of as hazardous waste (hazardous waste).

Appropriate disposal / Product

Consult the appropriate local waste disposal expert about waste disposal.

#### List of Wastes Code - residues/unused products

080501 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes not otherwise specified in 08; waste isocyanates; hazardous waste

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### List of Wastes Code - contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

### Contaminated packaging

Waste key packaging:

15 01 01 paper and cardboard packaging

15 01 11\* metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers

\* Evidence for disposal must be provided.

Remark:

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

## SECTION 14: Transport information

### Land transport (ADR/RID)

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
 Hazard label: 2.1



Classification code: 5F  
 Special Provisions: 190 327 344 625  
 Limited quantity: 1 L  
 Excepted quantity: E0  
 Transport category: 2  
 Tunnel restriction code: D

### Inland waterways transport (ADN)

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
 Hazard label: 2.1



Classification code: 5F  
 Special Provisions: 190 327 344 625  
 Limited quantity: 1 L  
 Excepted quantity: E0

### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1

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Special Provisions:	63, 190, 277, 327, 344, 381, 959
Limited quantity:	1000 mL
Excepted quantity:	E0
EmS:	F-D, S-U

### Air transport (ICAO-TI/IATA-DGR)

<b>14.1. UN number or ID number:</b>	UN 1950
<b>14.2. UN proper shipping name:</b>	AEROSOLS, FLAMMABLE
<b>14.3. Transport hazard class(es):</b>	2.1
<b>14.4. Packing group:</b>	-
Hazard label:	2.1



Special Provisions:	A145 A167 A802
Limited quantity Passenger:	30 kg G
Passenger LQ:	Y203
Excepted quantity:	E0
IATA-packing instructions - Passenger:	203
IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	150 kg

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 14.7. Maritime transport in bulk according to IMO instruments

No data available

## SECTION 15: Regulatory information

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 40

Directive 2004/42/EC on VOC in paints and varnishes: 0,25 kg/kg

Information according to Directive 2012/18/EU (SEVESO III): P3a FLAMMABLE AEROSOLS

#### Additional information

Restrictions on use

Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. 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.

Other regulations (EU)

COMMISSION REGULATION (EU) 2020/1149 amending Annex XVII to Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on registration, evaluation, authorization and Restriction of chemical substances (REACH) regarding diisocyanates: From August 24, 2023, must apply appropriate training must be provided for industrial or commercial use.

#### National regulatory information

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Water hazard class (D): 1 - slightly hazardous to water

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s): 1,2,4,5,7,8,9,11,12,13,15.

### Abbreviations and acronyms

Flam. Gas: Flammable gases

Aerosol: Aerosols

Press. Gas (Comp.): Compressed gas

Press. Gas (Liq.): Liquefied gas

Acute Tox: Acute toxicity

Skin Irrit: Skin irritation

Eye Irrit: Eye irritation

Resp. Sens: Respiratory sensitisation

Skin Sens: Skin sensitisation

Carc: Carcinogenicity

STOT SE: Specific target organ toxicity - single exposure

STOT RE: Specific target organ toxicity - repeated exposure

Aquatic Chronic: Chronic aquatic hazard

 ADR: Accord européen sur le transport 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 Harmonized 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

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

### Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Aerosol 1; H222-H229	
Acute Tox. 4; H332	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Resp. Sens. 1; H334	Calculation method
Skin Sens. 1; H317	Calculation method
Carc. 2; H351	Calculation method
STOT SE 3; H335	Calculation method
STOT RE 2; H373	Calculation method

### Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

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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.
H412	Harmful to aquatic life with long lasting effects.
EUH204	Contains isocyanates. May produce an allergic reaction.

**Further Information**

Training advice:

Methylendiphenyl-Diisocyanat (MDI):

COMMISSION REGULATION (EU) 2020/1149 amending Annex XVII to Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on registration, evaluation, authorization and Restriction of chemical substances (REACH) regarding diisocyanates: From August 24, 2023, must apply appropriate training must be provided for industrial or commercial use.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*