

Safety Data Sheet

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 1 of 16

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

0860073_771079_2954316_Dachdaemmkleber_DDK15

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
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

Diphenylmethandiisocyanat (Isomere/Homologe); Tris(1-Chloro-2-Propyl) Phosphate

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.

Safety Data Sheet

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 2 of 16

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.

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.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
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.
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Additional advice on labelling

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

2.3. Other hazards

Possible harmful physico-chemical 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 swallowed or if inhaled. May cause damage to organs through prolonged or repeated exposure. Causes serious eye irritation. 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 asthma, allergies, chronic or recurrent respiratory diseases should not be exposed to processes in which the product is used. The inhalation of dust/mist or aerosols causes irritation of the respiratory tract.

Adverse environmental effects

Harmful to aquatic life with long lasting effects.

The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

Remove all sources of ignition.

Other adverse effects

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

Safety Data Sheet

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 3 of 16

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			25-30 %
	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	Propan			1-5 %
	200-827-9		01-2119486944-21	
	Flam. Gas 1A, Press. Gas (Comp.); H220 H280			
	Reaktionsmasse aus 2-ethylpropan-1,3-diol und 5-ethyl-1,3-dioxan-5-methanol und propylidynetrimethanol			1-<3 %
	904-153-2		01-2119488034-38	
	Repr. 2, Eye Irrit. 2; H361fd H319			
107-21-1	ethanediol; ethylene glycol			<1 %
	203-473-3	603-027-00-1	01-2119456816-28	
	Acute Tox. 4, STOT RE 2; H302 H373			

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

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	25-30 %
		inhalation: LC50 = >4,6 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = 632 mg/kg	
107-21-1	203-473-3	ethanediol; ethylene glycol	<1 %
		oral: ATE = 500 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)

Safety Data Sheet

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 4 of 16

sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing immediately. If victim is at risk of losing consciousness, position and transport on their side. Do not leave affected person unattended.

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

After inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of respiratory tract irritation, consult a physician. Put victim at rest, cover with a blanket and keep warm. Get medical advice/attention if you feel unwell.

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

After ingestion

not applicable The product is: Foam-Aerosol
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. The inhalation of dust/mist or aerosols causes irritation of the 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 (CO₂). Extinguishing powder. Sand. earth.

Unsuitable extinguishing media

High power water jet.

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. hydrocarbons. aldehydes.

Do not breathe mist/vapours/spray.

The vapour is heavier than air and may travel along the ground; distant ignition possible.

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

Remove all sources of ignition.

Hazardous combustion products

In case of fire: Gas/vapours, toxic.

5.3. Advice for firefighters

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.

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove persons to safety. Avoid contact with skin, eyes and clothes. Do not breathe gas/fumes/vapour/spray.

Safety Data Sheet

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 5 of 16

Provide adequate ventilation. Vapours are heavier than air. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear personal protection equipment (refer to section 8). Avoid contact with skin, eyes and clothes. 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.

Advice on general occupational hygiene

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

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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

Hints on joint storage

Keep away from: Food and feedingstuffs

Further information on storage conditions

Keep out of the reach of children. When using do not smoke.

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. This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

7.3. Specific end use(s)

The product will be applied by spraying.

SECTION 8: Exposure controls/personal protection

Safety Data Sheet

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 6 of 16

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
115-10-6	Dimethyl ether	400	766		TWA (8 h)	WEL
		500	958		STEL (15 min)	WEL
107-21-1	Ethane-1,2-diol, vapour	20	52		TWA (8 h)	WEL
		40	104		STEL (15 min)	WEL

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 ³
Worker DNEL, acute		inhalation	local	0,1 mg/m ³
Consumer DNEL, long-term		inhalation	local	0,025 mg/m ³
Consumer DNEL, acute		inhalation	local	0,05 mg/m ³
Worker DNEL, long-term		inhalation	systemic	0,05 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	0,025 mg/m ³
Worker DNEL, acute		inhalation	systemic	0,1 mg/m ³
Consumer DNEL, acute		inhalation	systemic	0,05 mg/m ³
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 ²
Consumer DNEL, acute		dermal	local	17,2 mg/cm ²
Consumer DNEL, acute		oral	systemic	20 mg/kg bw/day
1244733-77-4	TCPP			
Worker DNEL, long-term		inhalation	systemic	8,2 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	1,45 mg/m ³
Worker DNEL, acute		inhalation	local	22,6 mg/m ³
Consumer DNEL, acute		inhalation	systemic	5,6 mg/m ³
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 ³
Consumer DNEL, long-term		inhalation	systemic	471 mg/m ³

Safety Data Sheet

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 7 of 16

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

Wear eye/face 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).

Breakthrough time: 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.

Safety Data Sheet

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 8 of 16

Skin protection

Wear suitable protective clothing.

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:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flammability:	not applicable
Lower explosion limits:	not applicable
Upper explosion limits:	1,5 vol. %
Flash point:	16 vol. %
Auto-ignition temperature:	MDI: >200 °C
pH-Value:	>350 °C
Viscosity / kinematic:	DIN 53171
Water solubility:	not determined
Solubility in other solvents:	not determined
Solubility : insoluble	insoluble
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	<0,00001 hPa
(at 20 °C)	
Density (at 20 °C):	1,2 g/cm ³
Relative vapour density:	not determined

9.2. Other information

Information with regard to physical hazard classes

Self-ignition temperature	
Solid:	not applicable
Gas:	not applicable

Oxidizing properties

The product is not: Spontaneously flammable.

Other safety characteristics

Evaporation rate:	not applicable
Solid content:	not determined
Viscosity / dynamic:	not determined

Further Information

Evaporation rate: Release of: Propellant gas The resulting PU foam does not evaporate.

Conductivity: The material is not conductive

SECTION 10: Stability and reactivity

Safety Data Sheet

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 9 of 16

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

Carbon dioxide is generated with water or moisture.

Strong acid: hydrogenium peroxide. Nitric acid.

10.4. Conditions to avoid

Temperatures above the flash point. Do not spray on an open flame or other ignition source. electrostatic discharge

10.5. Incompatible materials

Strong acid. Oxidizing agents, strong. Water. z. B. hydrogenium 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. When it comes into contact with water, the pressure and temperature increase. 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.

Harmful by inhalation and if swallowed.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) 3,750 mg/l

Safety Data Sheet

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 10 of 16

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.		
107-21-1	ethanediol; ethylene glycol				
	oral	ATE 500 mg/kg			

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

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))

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

The mixture (contents of the can after spraying - PU foam) is insoluble in water and spreads on the water surface.

Diphenylmethan-diisocyanat, Isomeren und Homologen

Toxicity to soil macroorganisms except of arthropods: NOEC >1.000 mg/kg Eisenia fetida, Exposure time 14

Safety Data Sheet

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 11 of 16

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 (Keimung) >1.000 mg/kg Lactuca sativa.

Exposure time 14 days ;

NOEC rapidity of growth >1.000 mg/kg Lactuca sativa , 14 days

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

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

Partition coefficient n-octanol/water

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

Safety Data Sheet

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 12 of 16

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

Is very limited by the chemical reaction with water to form an insoluble product - PU foam.

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

Isocyanate. 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.

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

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

* Evidence for disposal must be provided.

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

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

List of Wastes Code - used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150111 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers; hazardous waste

Contaminated packaging

* Evidence for disposal must be provided.

15 01 01 paper and cardboard packaging

15 01 04 metallic packaging

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

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number or ID number:**

UN 1950

Safety Data Sheet

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 13 of 16

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



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)

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



Special Provisions: A145 A167 A802
 Limited quantity Passenger: 30 kg G
 Passenger LQ: Y203

**Safety Data Sheet**

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 14 of 16

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

not applicable

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 29, Entry 40

Directive 2010/75/EU on industrial emissions: ca. 0,2 kg/kg

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

Additional information: P3a

National regulatory information

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): 9,11,12,15,16.

Safety Data Sheet

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 15 of 16

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
 Repr: Reproductive toxicity
 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	
Skin Irrit. 2; H315	
Eye Irrit. 2; H319	
Resp. Sens. 1; H334	Calculation method
Skin Sens. 1; H317	
Carc. 2; H351	Calculation method
STOT SE 3; H335	
STOT RE 2; H373	Calculation method
Aquatic Chronic 3; H412	

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.
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.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

**Safety Data Sheet**

according to UK REACH Regulation

0860073_771079_2954316_Dachdaemmkleber_DDK15

Revision date: 08.02.2024

Page 16 of 16

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

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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