

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Butt Joint Adhesive 3341
Stoßfugenkleber 3341

Revision date : 19.01.2023

Print date : 19.01.2023

Version (Revision) : 3.0.0 (2.0.0)

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

1.1 Product identifier

Butt Joint Adhesive 3341
Stoßfugenkleber 3341

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

Relevant identified uses

Products Category [PC]

PC 1 - Adhesives, sealants

Uses advised against

There are no information about relevant identified uses of the product according to the Regulation (EC) No. 1907/2006 (REACH-Regulation), which are advised against. For using the product observe the information in the Technical data sheet of the product.

1.3 Details of the supplier of the safety data sheet

Supplier

Brillux GmbH & Co KG
www.brillux.de

Street : Weseler Straße 401

Postal code/City : D - 48163 Münster

Telephone : +49 (0)251-7188-0

Telefax : +49 (0)251-7188-280

Information contact :

Electronic mail address of the well-informed person for safety data sheets:sdb@brillux.de

1.4 Emergency telephone number

Outside the business hours (9 a.m. to 5 p.m.):
(Giftinformationszentrum-Nord, Göttingen, consultation in german or english language)
Telephone: +49 (0)551-19240.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Acute Tox. 4 ; H332 - Acute toxicity (inhalative) : Category 4 ; Harmful if inhaled.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Resp. Sens. 1 ; H334 - Sensitisation to the respiratory tract : Category 1 ; May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

Carc. 2 ; H351 - Carcinogenicity : Category 2 ; Suspected of causing cancer.

STOT SE 3 ; H335 - STOT-single exposure : Category 3 ; May cause respiratory irritation.

STOT RE 2 ; H373 - STOT-repeated exposure : Category 2 ; May cause damage to organs through prolonged or repeated exposure.

Aquatic Chronic 2 ; H411 - Hazardous to the aquatic environment : Chronic 2 ; Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



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Stoßfugenkleber 3341

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Health hazard (GHS08) · Environment (GHS09) · Exclamation mark (GHS07)

Signal word

Danger

Hazard components for labelling

POLYISOCYANATE, AROMATIC - PREPOLYMER ; CAS No. : 99784-49-3
4,4'-METHYLENEDIIPHENYL DIISOCYANATE ; CAS No. : 101-68-8
O-(P-ISOCYANATOBENZYL)PHENYL ISOCYANATE ; CAS No. : 5873-54-1

Hazard statements

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
P260 Do not breathe vapours.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor/....
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P391 Collect spillage.
P501 Dispose of contents/container to approved disposal company or local collection.

Special rules for supplemental label elements for certain mixtures

EUH204 Contains isocyanates. May produce an allergic reaction.

2.3 Other hazards

The product does not contain any substances with endocrine-disrupting properties according to Article 59 Paragraph 1 or substances with endocrine-disrupting properties according to Regulations (EU) 2017/2100 or (EU) 2018/605. The product does not contain any substances, which fulfil the criteria for PBT or vPvB in accordance with the Annex XIII of the Regulation (EC) No 1907/2006 (REACH-Regulation).

Adverse human health effects and symptoms

Keep out of reach of children.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Mixture based on components, which are called following, and other components.

Hazardous ingredients

POLYISOCYANATE, AROMATIC - PREPOLYMER ; CAS No. : 99784-49-3

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



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Stoßfugenkleber 3341

Revision date : 19.01.2023

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Version (Revision) : 3.0.0 (2.0.0)

Weight fraction : $\geq 50 - < 75$ %
Classification 1272/2008 [CLP] : Resp. Sens. 1 ; H334 STOT RE 2 ; H373 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319 STOT SE 3 ; H335 EUH204
O-(P-ISOCYANATOBENZYL)PHENYL ISOCYANATE ; REACH No. : 01-2119480143-15 ; EC No. : 227-534-9 ; CAS No. : 5873-54-1

Weight fraction : $\geq 10 - < 20$ %
Classification 1272/2008 [CLP] : Resp. Sens. 1 ; H334 Carc. 2 ; H351 STOT RE 2 ; H373 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319 STOT SE 3 ; H335
Specific Conc. Limits : Eye Irrit. 2 ; H319: C ≥ 5 % • Skin Irrit. 2 ; H315: C ≥ 5 % • STOT SE 3 ; H335: C ≥ 5 % • Resp. Sens. 1 ; H334: C $\geq 0,1$ %
4,4'-METHYLENEDIPHENYL DIISOCYANATE ; REACH No. : 01-2119457014-47 ; EC No. : 202-966-0 ; CAS No. : 101-68-8

Weight fraction : $\geq 10 - < 20$ %
Classification 1272/2008 [CLP] : Resp. Sens. 1 ; H334 Carc. 2 ; H351 STOT RE 2 ; H373 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319 STOT SE 3 ; H335
Specific Conc. Limits : Eye Irrit. 2 ; H319: C ≥ 5 % • Skin Irrit. 2 ; H315: C ≥ 5 % • STOT SE 3 ; H335: C ≥ 5 % • Resp. Sens. 1 ; H334: C $\geq 0,1$ %

Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Immediately remove all contaminated clothing. In case of unconsciousness: lay on side - call a doctor. Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand. Wash hands, eyes and face thoroughly after handling.

Following inhalation

When symptoms persists, take the casualty into the fresh air and keep warm. In case of unconsciousness place patient stably in side position for transportation. Irregular breathing/no breathing: artificial respiration. Irregular breathing/no breathing: artificial respiration.

In case of skin contact

Take off immediately all contaminated clothes. Wash away with soap and water and rinse. Do NOT use solvents or thinners. If skin irritation continues, consult a doctor.

After eye contact

Remove contact lenses, keep eyelids open. Rinse open eye immediately with plenty of running water. Seek medical advice if complaint continues.

Following ingestion

Drink water in small draught. Keep at rest. Do not induce vomiting. When swallowed immediately consult and show packing or label to physician.

4.2 Most important symptoms and effects, both acute and delayed

Possible symptoms:

At eye contact: Irritation, burning, pain.

At skin contact: Irritation.

Irritation of the respiratory tract.

Allergic symptoms. Asthmatic complaints.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



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Stoßfugenkleber 3341

Revision date : 19.01.2023

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Version (Revision) : 3.0.0 (2.0.0)

Suitable extinguishing media

In case of fire: Use alcohol resistant foam, CO₂, powders or water spray for extinction. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media

In case of fire: Do not use waterjet for extinction.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire carbon monoxide, oxides of nitrogen, isocyanide and hydrogen cyanide may be formed.

5.3 Advice for firefighters

Special protective equipment for firefighters

At a fire caused by the product a breathing apparatus with an independent source of air is to have ready and to use if necessary for the firefighting.

5.4 Additional information

Cool endangered containers with water in case of fire. Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8. Keep no protective persons away, personal should wear protective clothings. Avoid contact with eyes and skin. Ensure a good ventilation in room and working area. Do not inhale the vapour.

6.2 Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations. Holding polluted washing water back and disposing of duly.

6.3 Methods and material for containment and cleaning up

For cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Subsequently put in the waste container. Do not seal (CO₂ may be given off). Verschmutzte Flächen mit Aceton reinigen (behandeln). Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.
You find information about the safety equipment of persons in the section 8,
information about the refuse disposal in section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Ensure a good ventilation in room and working area. Handle and open container with care. Only use the material in places where open light, fire and other flammable sources can be kept away. Avoid contact with skin and eyes. Read label before use. Use only outdoors or in a well-ventilated area. For personal protection see Section 8.

Measures to prevent fire

Keep ignition sources away - Do not smoke.

Measures to prevent aerosol and dust generation

Not breathing in steams/aerosols.

Advices on general occupational hygiene

While working do not eat, drink or smoke. Wash hands and face before breaks and after work and take a shower if necessary. Immediately remove all contaminated clothing.

Safety Data Sheet

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Stoßfugenkleber 3341

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Version (Revision) : 3.0.0 (2.0.0)

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly in a dry, cool and good ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not store the product in lounge room. Keep only in the original container. Do not store the product in lounge room. Keep out of the reach of children. Offering protection against wetness and humidity. Protect against frost.

Hints on joint storage

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Keep away from amines, alcohols and water. Avoid moisture. Store away from foodstuffs.

Storage class (TRGS 510) : 10

Further information on storage conditions

Keep container tightly sealed. Store at 5°-35°C. Containers should be kept dry and sealed. Keep away from heat and direct sun.

7.3 Specific end use(s)

For using the product observe the information in the Technical data sheet of the product.

Industrial sector specific solutions

GISCODE : Product code in accordance to GISBAU (hazardous materials information system of the German professional associations of the building and construction industry): PU 40.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

O-(P-ISOCYANATOBENZYL)PHENYL ISOCYANATE ; CAS No. : 5873-54-1

Limit value type (country of origin) : TRGS 900 (D)

Limit value : 0,05 mg/m³

Peak limitation : 1/=2=(I)

Version : 02.07.2021

4,4'-METHYLENEDIPHENYL DIISOCYANATE ; CAS No. : 101-68-8

Limit value type (country of origin) : TRGS 900 (D)

Parameter : E: inhalable fraction

Limit value : 0,05 mg/m³

Peak limitation : 1/=2=(I)

Remark : H, Sa, Y

Version : 02.07.2021

Remark

Taking into account the details mentioned in the TRGS 900 for the supervision of AGW.

DNEL-/PNEC-values

DNEL/DMEL

POLYISOCYANATE, AROMATIC - PREPOLYMER ; CAS No. : 99784-49-3

Limit value type : DNEL worker (local)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 0,29 mg/m³

Limit value type : DNEL worker (local)

Exposure route : Inhalation

Exposure frequency : Short-term

Limit value : 0,58 mg/m³

PNEC

POLYISOCYANATE, AROMATIC - PREPOLYMER ; CAS No. : 99784-49-3

Limit value type : PNEC (Aquatic, freshwater)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



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Stoßfugenkleber 3341

Revision date : 19.01.2023

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Version (Revision) : 3.0.0 (2.0.0)

Limit value : 0,0015 mg/l
Limit value type : PNEC (Aquatic, marine water)
Limit value : 0,00015 mg/l
Limit value type : PNEC (Sewage treatment plant)
Limit value : 100 mg/l

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn. Observe data available of section 7.

Personal protection equipment

Eye/face protection

Use tightly fitting safety glasses.

Skin protection

Hand protection

The glove material has to be impermeable and resistant to the product / the substance / the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. At use as agreed a protective gloves from nitrile rubber, tested according to EN 374, with a material thickness 0,38 mm has to be used. Notes of the manufacturer have to be taken into account. Penetration time of the glove material: > = 8 h. The protective gloves should be replaced after the first wear out or a damage of the gloves. By longer or repeated contact the penetration times can be considerably shorter.

Body protection

Using protective clothing.

Respiratory protection

Breathing protection equipment required in inadequately ventilated places. In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air. Filter type: AX.

General information

Avoid contact with eyes and skin. Immediately remove all contaminated clothing. Wash hands before breaks and after work. Do not eat or drink during work - no smoking. Ensure a good ventilation in room and working area. Do not breathe vapour. Dealing with the product is warned against at oversensitivity of the respiratory tract and the skin (asthma, chronic bronchitis or skin suffering).

Environmental exposure controls

The product should not reach waters and the ground. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Pasty.

Colour : conformable to product designation.

Odour

characteristic

Safety characteristics

Melting point/freezing point : (1013 hPa) not applicable

Initial boiling point and boiling range : (1013 hPa) No data available

Decomposition temperature : (1013 hPa) No data available

Flash point : not applicable

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



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Version (Revision) : 3.0.0 (2.0.0)

Auto-ignition temperature :			not applicable
Lower explosion limit :			not applicable
Upper explosion limit :			not applicable
Vapour pressure:	(20 °C)		no data available
Density :	(20 °C)	approx.	1,12 g/cm ³
Solvent separation test :	(20 °C)		No data available
Water solubility :	(20 °C)		practically insoluble
pH :			not applicable
log P O/W :			No data available
Flow time :	(20 °C)		No data available
Viscosity :	(20 °C)		No data available
Kinematic viscosity :	(40 °C)		No data available
Relative vapour density :	(20 °C)		No data available
Maximum VOC content (EC) :		<	1 Weight-%
Flammable liquids :	The product is not ignitable.		
Particle Characteristics :	not applicable		

9.2 Other information

Other physical and chemical data have not been determined.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangers connected by a possible reactivity of the product are known to proper handling and storage.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

No dangerous reactions are known if stored and handled the product correctly.

10.4 Conditions to avoid

To avoid formation of ignitable vapour and air mixtures ensure good ventilation (inter alia extraction system). Keep away from frost, heat and direct sunlight.

10.5 Incompatible materials

No dangerous reaction known. Acids, bases, amines, alcohols, polyols and water. In contact with water (moisture) CO₂ is formed which leads to an excess pressure in closed containers.

10.6 Hazardous decomposition products

No dangerous decomposition product are known if stored and handled correctly. In case of high temperature dangerous decomposition products may be formed: Carbon monoxide (CO), carbon dioxide (CO₂), nitrogen oxide (NO_x), hydrogen cyanide (HCN) and hydrogen chloride (HCl).

SECTION 11: Toxicological information

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

Acute toxicity

Acute toxicity:

- Acute oral toxicity: No data available;
- Acute dermal toxicity: No data available;
- Acute inhalation toxicity: Harmful by inhalation.

Acute oral toxicity

Parameter :	LD50 (POLYISOCYANATE, AROMATIC - PREPOLYMER ; CAS No. : 99784-49-3)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg
Parameter :	LD50 (4,4'-METHYLENEDIPHENYL DIISOCYANATE ; CAS No. : 101-68-8)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



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Stoßfugenkleber 3341

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Print date : 19.01.2023

Version (Revision) : 3.0.0 (2.0.0)

Exposure route : Oral
Species : Rat
Effective dose : > 2000 mg/kg
Parameter : LD50 (O-(P-ISOCYANATOBENZYL)PHENYL ISOCYANATE ; CAS No. : 5873-54-1)
Exposure route : Oral
Species : Rat
Effective dose : > 2000 mg/kg

Acute dermal toxicity

Parameter : LD50 (POLYISOCYANATE, AROMATIC - PREPOLYMER ; CAS No. : 99784-49-3)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 9400 mg/kg
Parameter : LD50 (O-(P-ISOCYANATOBENZYL)PHENYL ISOCYANATE ; CAS No. : 5873-54-1)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 9400 mg/kg
Parameter : LD50 (4,4'-METHYLENEDIPHENYL DIISOCYANATE ; CAS No. : 101-68-8)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 9400 mg/kg

Acute inhalation toxicity

Parameter : ATE
Exposure route : Inhalation (dust/mist)
Effective dose : 1,614 mg/l
Exposure time : 4 h

Corrosion

Irritation:
- Skin contact: Irritating to skin and mucous membranes.
- Eye contact: Causes serious eye irritation.

Respiratory or skin sensitisation

The product is labeled as skin and respiratory sensitizing.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The product is classified as carcinogenic.

STOT-single exposure

Primary irritant effect:
Inhalation: Irritate the respiratory system.
Ingestion: Irritate the mouth, neck and the stomach.
Skin contact: Irritate the skin.
Eye contact: Strongly irritant for eyes. Risk of serious damage to eyes.

STOT-repeated exposure

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
May causes damage to the organs through prolonged or repeated exposure.

Aspiration hazard

No risk expected.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain any substances with endocrine-disrupting properties according to Article 59 Paragraph 1 or substances with endocrine-disrupting properties according to Regulations (EU) 2017/2100 or (EU) 2018/605.

Other adverse effects

This product is unlikely to harm health, given normal and proper handling and hygienic precautions.

Additional information

Safety Data Sheet

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Stoßfugenkleber 3341

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The product is classified in toxicological terms on the basis of the results of the calculation procedure outlined within the Regulation (EC) No 1272/2008 (CLP-Regulation), listed in sections 2 and 3.
At proper dealing and use as agreed the product does not cause any effects bad for health after our experiences and the information submitted to us.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (O-(P-ISOCYANATOBENZYL)PHENYL ISOCYANATE ; CAS No. : 5873-54-1)
Species : Danio rerio (zebrafish)
Effective dose : > 1000 mg/l

Parameter : LC50 (4,4'-METHYLENEDIPHENYL DIISOCYANATE ; CAS No. : 101-68-8)
Species : Danio rerio (zebrafish)
Effective dose : > 1000 mg/l

Acute (short-term) toxicity to crustacea

Parameter : EC50
Species : Daphnia magna (Big water flea)
Effective dose : 9,9 mg/l
Exposure time : 48 h

Chronic (long-term) toxicity to aquatic invertebrate

Parameter : NOEC (O-(P-ISOCYANATOBENZYL)PHENYL ISOCYANATE ; CAS No. : 5873-54-1)
Species : Daphnia pulex (water flea)
Effective dose : > 10 mg/l
Exposure time : 21 D

Acute (short-term) toxicity to algae and cyanobacteria

Parameter : ErC50 (O-(P-ISOCYANATOBENZYL)PHENYL ISOCYANATE ; CAS No. : 5873-54-1)
Species : Desmodesmus subspicatus
Effective dose : > 1640 mg/l

Parameter : ErC50 (4,4'-METHYLENEDIPHENYL DIISOCYANATE ; CAS No. : 101-68-8)
Species : Desmodesmus subspicatus
Effective dose : > 1640 mg/l

12.2 Persistence and degradability

These are not data available about the potential of the product concerning his persistency and degradability.

12.3 Bioaccumulative potential

These are not data available about the bio accumulation potential of the product.

12.4 Mobility in soil

These are not datas available about the potential of the product concerning his mobility in the ground.
A penetrating into soil, waters and sewage system should be prevented.

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

The product does not contain any substances with endocrine-disrupting properties according to Article 59 Paragraph 1 or substances with endocrine-disrupting properties according to Regulations (EU) 2017/2100 or (EU) 2018/605.

12.7 Other adverse effects

Toxic to aquatic life. May cause long-term adverse effects in the aquatic environment.

12.8 Additional ecotoxicological information

Avoid exposing into ground, waterways and drainage.

The classification of the product is based on summation of classified components according to the Regulation (EC) No 1272/2008 (CLP-Regulation). See details in sections 2 and 3.

Safety Data Sheet
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Stoßfugenkleber 3341
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Version (Revision) : 3.0.0 (2.0.0)

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Directive 2008/98/EC (Waste Framework Directive)

Before intended use

Dispose of contents/container to approved disposal company or local collection according to the local regulations. Packaging with not dry uped residues have to droped at official collecting sites. Packaging with dry uped residues can be disposed together with household garbage or building site garbage. Do not empty into waters or drains.

Waste codes/waste designations according to EWC/AVV

For the product:

Disposal-definition No.: 08 04 09* - waste adhesives and sealants containing organic solvents or other hazardous substances.

After intended use

Only empty packaging can be transfered to recycling. Uncleaned packaging must be disposed of in the same manner as the medium.

Waste codes/waste designations according to EWC/AVV

For the uncleaned packaging:

Disposal-definition No.: 15 01 10* - packaging containing residues of or contaminated by hazardous substances.

SECTION 14: Transport information

14.1 UN number

UN 3082

14.2 UN proper shipping name

Land transport (ADR/RID)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (POLYISOCYANATE, AROMATIC - PREPOLYMER)

Sea transport (IMDG)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (POLYISOCYANATE, AROMATIC - PREPOLYMER)

Air transport (ICAO-TI / IATA-DGR)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (POLYISOCYANATE, AROMATIC - PREPOLYMER)

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 9
Classification code : M6
Hazard identification number (Kemler No.) : 90
Tunnel restriction code : -
Special provisions : LQ 5 I · E 1 · ADR : - (SP 375 <= 5 l/kg)
Hazard label(s) : 9 / N

Sea transport (IMDG)

Class(es) : 9
EmS-No. : F-A / S-F
Special provisions : LQ 5 I · E 1
Hazard label(s) : 9 / N

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 9
Hazard label(s) : 9 / N

14.4 Packing group

Land transport (ADR/RID) : III

Sea transport (IMDG) : III

14.5 Environmental hazards

Safety Data Sheet

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Stoßfugenkleber 3341

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Land transport (ADR/RID) : Yes
Sea transport (IMDG) : Yes (P)
Air transport (ICAO-TI / IATA-DGR) : Yes

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant because the product in type of delivery does not transport in bulks according to the International Maritime Organization (IMO) instruments.

SECTION 15: Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

Restrictions on use

As from 24 August 2023 adequate training is required before industrial or professional 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)

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

The product is not subject to the EU guideline 2004/42/EC about the limitation of the issues of brief organic connections due to the use of organic solvents in certain colours and varnishes.

National regulations

Störfallverordnung

Observing the concentration ("Mengenschwellen") according to the Störfallverordnung.

Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : 10 - 25 %

Water hazard class

Classification according to AwSV - Class : 2 (Obviously hazardous to water)

Additional information

Maternity regulations and Young Persons Employment Act are to take into account.

15.2 Chemical Safety Assessment

A chemical safety assessments was not carried out.

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route)
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany) AOX: Adsorbable Organic halogen compounds
ATEmix: Calculated acute toxicity estimate of mixture
BCF: Bio-Concentration Factor
CAS: Chemical Abstract Service
CLP: Classification, Labelling and Packaging

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Butt Joint Adhesive 3341
Stoßfugenkleber 3341

Revision date : 19.01.2023

Print date : 19.01.2023

Version (Revision) : 3.0.0 (2.0.0)

CMR: Substances classified as Carcinogenic, Mutagenic or toxic for Reproduction
CSR: Chemical Safety Report
DNEL: Derived No Effect Level
EC: European Commission
EC50: Effective Concentration 50%
ECHA: European Chemical Agency
EEC: European Economic Community
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
EWC: European Waste Catalogue
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IC50: Inhibition Concentration 50%
IMDG Code: International Maritime Dangerous Goods Code
IMO: International Maritime Organization
LC50: Lethal concentration 50%
LD50: Lethal Dose 50%
LOAEL: Lowest Observed Adverse Effect Level
LOEL: Lowest observable effect level
MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG)
MARPOL: Convention for the Prevention of Marine Pollution from Ships
MVZ: molar ratio
n.a.: Not applicable
n.d.: Not determined
n.r.: Not relevant
NLP: No Longer Polymers
NOAEC: No Observed Adverse Effect Concentration
NOAEL: No Observed Adverse Effect Level
NOEC: No Observed Effect Concentration
NOEL: No Observed Effect Level
OEL: Occupational Exposure Limit
PBT: Persistent, bioaccumulative, toxic
PNEC: Predicted No Effect Concentration
RCP: Reciprocal calculation procedure
REACH: Registration, Evaluation and Authorization of Chemical
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL: Short-term Exposure Limit
SVHC: Substance of Very High Concern
TLV - TWA: Threshold Limit Value - Time Weighed Average
VOC: Volatile Organic Compounds
vPvB: Very persistent, very bioaccumulative.

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The evaluation of hazard information of the product was carried out in accordance to Annex I of the REGULATION (EC) No 1272/2008 (CLP Regulation).

16.5 Relevant H- and EUH-phrases (Number and full text)

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.

Safety Data Sheet
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H373 May cause damage to organs through prolonged or repeated exposure.

16.6 Training advice

None

16.7 Additional information

None

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.
