

# Safety Data Sheet

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



**Trade name :** Butt Joint Adhesive 3341  
Stoßfugenkleber 3341

**Revision date :** 01.02.2019

**Print date :** 01.02.2019

**Version (Revision) :** 2.0.0 (1.0.0)

## 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

##### Product Categories [PC]

PC1 - 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 (manufacturer/importer/only representative/downstream user/distributor)

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]

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

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

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

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.

### 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)



**Trade name :** Butt Joint Adhesive 3341  
Stoßfugenkleber 3341

**Revision date :** 01.02.2019

**Print date :** 01.02.2019

**Version (Revision) :** 2.0.0 (1.0.0)

Health hazard (GHS08) · Exclamation mark (GHS07)

### Signal word

Danger

### Hazard components for labelling

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

### 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.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

### Precautionary statements

P102 Keep out of reach of children.  
P260 Do not breathe vapours.  
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].  
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

### Adverse human health effects and symptoms

Keep out of reach of children.

### Adverse environmental effects

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).

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Description

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

#### Hazardous ingredients

4,4'-METHYLENEDIPHENYL DIISOCYANATE ; EC No. : 202-966-0; CAS No. : 101-68-8

Weight fraction :  $\geq 10 - < 25$  %

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

#### Additional information

Full text of H- and EUH-phrases: 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

# Safety Data Sheet

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



**Trade name :** Butt Joint Adhesive 3341  
Stoßfugenkleber 3341

**Revision date :** 01.02.2019

**Print date :** 01.02.2019

**Version (Revision) :** 2.0.0 (1.0.0)

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.

### After 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

#### Suitable extinguishing media

In case of fire: Use alcohol resistant foam, CO<sub>2</sub>, 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

# Safety Data Sheet

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



**Trade name :** Butt Joint Adhesive 3341  
Stoßfugenkleber 3341  
**Revision date :** 01.02.2019  
**Print date :** 01.02.2019

**Version (Revision) :** 2.0.0 (1.0.0)

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 (CO<sub>2</sub> 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.

### 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

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

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

# Safety Data Sheet

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



**Trade name :** Butt Joint Adhesive 3341  
Stoßfugenkleber 3341

**Revision date :** 01.02.2019

**Print date :** 01.02.2019

**Version (Revision) :** 2.0.0 (1.0.0)

Parameter : E: inhalable fraction  
Limit value : 0,05 mg/m<sup>3</sup>  
Peak limitation : 1/=2=(I)  
Remark : H, Sa, Y  
Version : 17.10.2017

### Remark

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

## 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 health and safety measures

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 relevant basis data

<b>Melting point/melting range :</b>	( 1013 hPa )	not applicable
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	not applicable
<b>Flash point :</b>	>	165 °C

# Safety Data Sheet

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



**Trade name :** Butt Joint Adhesive 3341  
Stoßfugenkleber 3341  
**Revision date :** 01.02.2019  
**Print date :** 01.02.2019

**Version (Revision) :** 2.0.0 (1.0.0)

<b>Ignition temperature :</b>		not determined
<b>Lower explosion limit :</b>		not determined
<b>Upper explosion limit :</b>		not determined
<b>Vapour pressure:</b>	( 20 °C )	not determined
<b>Density :</b>	( 20 °C ) approx.	1,1 g/cm <sup>3</sup>
<b>Water solubility :</b>	( 20 °C )	insoluble
<b>Viscosity :</b>	( 20 °C )	No data available

## 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) CO<sub>2</sub> 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 (CO<sub>2</sub>), nitrogen oxide (NO<sub>x</sub>), hydrogen cyanide (HCN) and hydrogen chloride (HCl).

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

Acute toxicity:

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

#### Acute oral toxicity

Parameter :	LD50 ( 4,4'-METHYLENEDIPHENYL DIISOCYANATE ; CAS No. : 101-68-8 )
Exposure route :	Oral
Species :	Rat
Effective dose :	9200 mg/kg

#### Acute dermal toxicity

Parameter :	LD50 ( 4,4'-METHYLENEDIPHENYL DIISOCYANATE ; CAS No. : 101-68-8 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 10000 mg/kg

#### Irritant and corrosive effects

Irritation:

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

#### Sensitisation

# Safety Data Sheet

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



**Trade name :** Butt Joint Adhesive 3341  
Stoßfugenkleber 3341

**Revision date :** 01.02.2019

**Print date :** 01.02.2019

**Version (Revision) :** 2.0.0 (1.0.0)

Das Produkt ist als Haut- und Atemwegssensibilisierend gekennzeichnet.

### **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.

### **11.4 Other adverse effects**

#### **Other observations**

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

### **11.5 Additional information**

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**

Acute or chronic damages to water organisms by the product in the aquatic environment are not expecting.

#### **Aquatic toxicity**

##### **Acute (short-term) algae toxicity**

Parameter : EC50 ( 4,4'-METHYLENEDIPHENYL DIISOCYANATE ; CAS No. : 101-68-8 )

Species : Daphnia magna (Big water flea)

Effective dose : > 100 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.

No information about the individual components is available either.

### **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**

This product does not contain any relevant substances which were classified as a PBT or vPvB-substance.

### **12.6 Other adverse effects**

No information available.

### **12.7 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.

## **SECTION 13: Disposal considerations**

**Trade name :** Butt Joint Adhesive 3341  
Stoßfugenkleber 3341  
**Revision date :** 01.02.2019  
**Print date :** 01.02.2019

**Version (Revision) :** 2.0.0 (1.0.0)

### 13.1 Waste treatment methods

#### **Product/Packaging disposal**

##### **Waste codes/waste designations according to EWC/AVV**

###### **Waste code product**

Disposal-definition No. (AVV-Code): 08 04 09\*.

###### **Waste code packaging**

Disposal-definition No. (AVV-Code):

15 01 10 \* packings which contain dangerous substances or are polluted by dangerous substances.

##### **Waste treatment options**

###### **Appropriate disposal / Product**

Dispose of contents/container to approved disposal company or local collection according to the local regulations.

Do not dispose together with household garbage. Do not empty into waters or drains. The containers have to be emptied completely. The sprayed material has to be hardened.

###### **Appropriate disposal / Package**

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

## SECTION 14: Transport information

### 14.1 UN number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 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**

##### **Other regulations (EU)**

###### **Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)**

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**

##### **Restrictions of occupation**

Restrictions of occupation:

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.



# Safety Data Sheet

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



**Trade name :** Butt Joint Adhesive 3341  
Stoßfugenkleber 3341

**Revision date :** 01.02.2019

**Print date :** 01.02.2019

**Version (Revision) :** 2.0.0 (1.0.0)

type A1 according to standard EN 14387) is used. Maternity regulations and Young Persons Employment Act are to take into account.

### 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 (WGK)

Class : 2 (Significant hazardous to water) Classification according to AwSV

## 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

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

# Safety Data Sheet

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



**Trade name :** Butt Joint Adhesive 3341  
Stoßfugenkleber 3341

**Revision date :** 01.02.2019

**Print date :** 01.02.2019

**Version (Revision) :** 2.0.0 (1.0.0)

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 Weighted 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.
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.