

**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**



**Trade name :** Butt Joint Adhesive 3341  
Stoßfugenkleber 3341  
**Revision date :** 25.10.2024  
**Print date :** 25.10.2024

**Version (Revision) :** 5.0.0 (4.0.0)

**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]**

None

**Additional information**

This product is not dangerous according to the regulation (EC) No. 1272/2008 (CLP).

**2.2 Label elements**

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

**Special rules for supplemental label elements for certain mixtures**

EUH210 Safety data sheet available on request.

EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

**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.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Description

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

#### Hazardous ingredients

N-(3-(TRIMETHOXSILYL)PROPYL)ETHYLENEDIAMINE ; REACH No. : 01-2119970215-39 ; EC No. : 217-164-6; CAS No. : 1760-24-3

Weight fraction :  $\geq 1 - < 5 \%$

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H332 Skin Sens. 1 ; H317 STOT SE 3 ; H335

TRIMETHOXYVINYLILANE ; REACH No. : 01-2119513215-52 ; EC No. : 220-449-8; CAS No. : 2768-02-7

Weight fraction :  $< 1 \%$

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Acute Tox. 4 ; H332 Skin Sens. 1B ; H317

#### 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

No further relevant information available.

### 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.

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

### **Hazardous combustion products**

Traces of other toxic substances cannot be excluded under certain fire conditions.

## **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 (CO<sub>2</sub> may be given off). 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.

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### Hints on joint storage

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Store away from foodstuffs.

**Storage class (TRGS 510) :** 13

### 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 :** This product can not be encoded in accordance with GISBAU.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

##### Remark

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

#### DNEL-/PNEC-values

##### DNEL/DMEL

N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE ; CAS No. : 1760-24-3

Limit value type : DNEL Consumer (systemic)

Exposure route : Oral

Exposure frequency : Long-term

Limit value : 2,5 mg/kg

Assessment factor : 1 day(s)

Limit value type : DNEL Consumer (systemic)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 8,7 mg/m<sup>3</sup>

Limit value type : DMEL worker (systemic)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 35,5 mg/kg

Limit value type : DMEL worker (systemic)

Exposure route : Dermal

Exposure frequency : Long-term

Limit value : 5 mg/kg

Assessment factor : 1 day(s)

Limit value type : DMEL worker (systemic)

Exposure route : Dermal

Exposure frequency : Short-term

Limit value : 5 mg/kg

Assessment factor : 1 day(s)

TRIMETHOXYVINYLILANE ; CAS No. : 2768-02-7

Limit value type : DNEL Consumer (systemic)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 18,9 mg/m<sup>3</sup>

Limit value type : DNEL Consumer (systemic)

Exposure route : Dermal

Exposure frequency : Long-term

Limit value : 7,8 mg/kg

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Assessment factor : 1 day(s)  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Oral  
Exposure frequency : Long-term  
Limit value : 0,3 mg/kg  
Assessment factor : 1 day(s)  
Limit value type : DMEL worker (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 27,6 mg/kg  
Limit value type : DMEL worker (systemic)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 3,9 mg/kg  
Assessment factor : 1 day(s)

### PNEC

N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE ; CAS No. : 1760-24-3

Limit value type : PNEC (Aquatic, freshwater)  
Exposure route : Water (Including sewage plant)  
Limit value : 0,062 mg/l  
Limit value type : PNEC (Aquatic, intermittent release)  
Exposure route : Water (Including sewage plant)  
Limit value : 0,62 mg/l  
Limit value type : PNEC (Aquatic, marine water)  
Exposure route : Water (Including sewage plant)  
Limit value : 0,0062 mg/l  
Limit value type : PNEC (Sediment, freshwater)  
Exposure route : Soil  
Limit value : 0,05 mg/kg  
Limit value type : PNEC (Sediment, marine water)  
Exposure route : Soil  
Limit value : 0,005 mg/kg  
Limit value type : PNEC (Soil)  
Exposure route : Soil  
Limit value : 0,0075 mg/kg  
Limit value type : PNEC (Sewage treatment plant)  
Exposure route : Water (Including sewage plant)  
Limit value : 25 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 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.

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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.

### 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.

### 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

<b>Melting point/freezing point :</b>	( 1013 hPa )	not applicable	
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	No data available	
<b>Decomposition temperature :</b>	( 1013 hPa )	No data available	
<b>Flash point :</b>		not applicable	
<b>Auto-ignition temperature :</b>		not applicable	
<b>Lower explosion limit :</b>		not applicable	
<b>Upper explosion limit :</b>		not applicable	
<b>Vapour pressure:</b>	( 20 °C )	no data available	
<b>Density :</b>	( 20 °C )	No data available	
<b>Solvent separation test :</b>	( 20 °C )	No data available	
<b>Water solubility :</b>	( 20 °C )	practically insoluble	
<b>pH :</b>		not applicable	
<b>log P O/W :</b>		No data available	
<b>Flow time :</b>	( 20 °C )	No data available	DIN-cup 4 mm
<b>Viscosity :</b>	( 20 °C )	No data available	
<b>Kinematic viscosity :</b>	( 40 °C )	No data available	
<b>Relative vapour density :</b>	( 20 °C )	No data available	
<b>Maximum VOC content (EC) :</b>	<	1	Weight-%
<b>Flammable liquids :</b>	The product is not ignitable.		
<b>Particle Characteristics :</b>	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

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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.

### 10.6 Hazardous decomposition products

No dangerous decomposition product are known if stored and handled correctly.

## 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 ( N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE ; CAS No. : 1760-24-3 )
Exposure route :	Oral
Species :	Rat
Effective dose :	2295 mg/kg
Parameter :	LD50 ( TRIMETHOXYVINYL SILANE ; CAS No. : 2768-02-7 )
Exposure route :	Oral
Species :	Rat
Effective dose :	7120 - 7236 mg/kg

#### Acute dermal toxicity

Parameter :	LD50 ( N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE ; CAS No. : 1760-24-3 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 2000 mg/kg
Parameter :	LD50 ( TRIMETHOXYVINYL SILANE ; CAS No. : 2768-02-7 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	3360 µL/kg

#### Acute inhalation toxicity

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

#### Corrosion

Based on available data, the classification criteria according to Regulation (EC) No 1272/2008 [CLP] are not met.

#### Respiratory or skin sensitisation

Sensitization: The product does not cause any skin and respiratory tract sensitization.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The product is not classified as human germ cell mutagenic, carcinogenic or human reproductive toxic (CMR effects).

#### STOT-single exposure

No risk expected.

#### STOT-repeated exposure

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No risk expected.

### 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

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 ( N-(3-(TRIMETHOXYSYLYL)PROPYL)ETHYLENEDIAMINE ; CAS No. : 1760-24-3 )
Species :	Danio rerio (zebrafish)
Effective dose :	597 mg/l
Exposure time :	96 h
Parameter :	LC50 ( TRIMETHOXYVINYLSILANE ; CAS No. : 2768-02-7 )
Species :	Oncorhynchus mykiss (Rainbow trout)
Effective dose :	191 mg/l
Exposure time :	96 h

##### Acute (short-term) toxicity to crustacea

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

##### Acute (short-term) toxicity to algae and cyanobacteria

Parameter :	EC50 ( TRIMETHOXYVINYLSILANE ; CAS No. : 2768-02-7 )
Species :	Desmodesmus subspicatus
Effective dose :	> 957 mg/l
Exposure time :	72 h

### 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.



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### 12.7 Other adverse effects

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

### 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.

## 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 dropped 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 10 - Waste adhesives and sealants other than those mentioned in 08 04 09\*.

##### 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 02\* - plastic packaging.

## SECTION 14: Transport information

### 14.1 UN number

No information available.

### 14.2 UN proper shipping name

No information available.

### 14.3 Transport hazard class(es)

No information available.

### 14.4 Packing group

No information available.

### 14.5 Environmental hazards

No information available.

### 14.6 Special precautions for user

None

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

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)

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

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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

#### Water hazard class

Classification according to AwSV - Class : 1 (Slightly 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

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: Treshold 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

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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

Regulation (EC) No. 1907/2006 (REACH), amended by the Regulation (EC) 2020/878  
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixture  
ADN: (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
ADR: (Accord européen relatif transport des marchandises dangereuses par route)  
Database of the registered Substances of the European Chemicals Agency (ECHA)  
GESTIS - Database on hazardous substances - (IFA, Institute for Occupational Safety and Health of the German Social Accident Insurance)  
Information of our suppliers  
GISBAU (Hazardous materials information system of the German professional associations of the building and construction industry)

### 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)

H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

### 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.