

**Material Safety Data Sheet**  
**According to decree (EC) Nr. 1907 / 2006**

Revision: 0  
Revised :

**1. Chemical Product and Company Identification**

**Product name:**

Brilliance, transparent  
(Base)

**Application of the product:**

Bite registration

**Manufacturer:**

Willmann + Pein GmbH

**Street:**

Schusterring 35

**Zip-Code / Town**

D-25355 Barmstedt

**Contact for technical information**

+49 (0) 41 23 / 9228 0

**phone / Fax / E-Mail**

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**Emergency information (24 hours):**

Dr. Wolfgang Willmann  
Tel: +49 (0) 170 - 405 30 52

**2. Hazard identification**

**Potential hazards:**

No special hazards known

**Classification: --**

**Additional hazard advices for human and environment:**

none

**3. Composition/Information on ingredients**

**Chemical characterization:**

silicones  
Proportion: 90 %

**4. First-Aid-Measures**

**General Advices:**

None

**After inhalation:**

Not applicable

**After skin contact:**

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Not relevant

**After eye contact:**

After eye contact rinse efficient with plenty of water and contact doctor.

**After swallowing**

Rinse out mouth and drink plenty of water. Contact doctor

**Advices for the doctor:**

Medicate symptomatic

**5. Fire-Fighting-Measures**

**Suitable extinguishing agents:**

Water spray jet, dry powder, Carbon dioxide, Foam

**Unsuitable extinguishing agents:**

Full water jet

**Special exposure hazards:**

Risk of formation of toxic pyrolysis products.

**Special protective equipment for fire-fighters:**

Use self-contained breathing apparatus.

**Additional information:**

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

**6. Accidental release measures**

**Personal precautions:**

High risk of slipping due to leakage/spillage of product

**Environmental precautions:**

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not discharge into the drains/surface waters/ groundwater.

**Methods for cleaning up/taking up:**

Take up with absorbent material (e.g. sand). Dispose of absorbed material in accordance with the regulations.

**7. Handling and storage**

**Information for safe handling**

No special measures necessary if used correctly

**Advice on protection against fire and explosion**

No special measures necessary.

**Information on storage conditions**

Storage temperature: room temperature

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Storage conditions: 2 years at room temperature  
Further information: Avoid to try up. Store only in original container.

### 8. Exposure Controls / personal protection

**Limit values for the exposition at work station and / or biological limit values**

**Work station limit values (AGW) Germany**

**Additional advice on system design:**

none

#### **Personal protection equipment:**

Personal protection equipment has to be chosen work station specific in dependency of hazardous substance concentration and –amount.

Respiratory protection:	not relevant
Eye protection:	not relevant
Hand protection:	use suitable rubber gloves: not relevant
body protection:	not necessary
General protective measures:	Avoid contact with eyes
Hygiene measures :	Wash hands before breaks and after work. Use barrier skin cream.

Limitation and controlling

Of the environment pollution: not determined

PNCE und DNCL-Values as to be possibly worked out in a preparation safety report do not exist.

### 9. Physical and chemical properties

Form:	pasty
Color:	transparent blue
Odour:	mint
<b>Safety relevant data:</b>	
Ph-value	not applicable
Boiling point:	not applicable
Flash point:	not applicable
Density (g/ml)	1,0 (20°C)
Solubility in water:	immiscible
Partition coefficient:	not determined
n-Octanol / Water:	
Viscosity:	not applicable
Relative vapour:	not determined
Flammability	not applicable
Lower	
Exposition limit:	not applicable
upper	
Exposition limit:	not applicable
Combustable properties:	no
Vapour pressure:	not determined
Density determined in air:	

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Speed of evaporation:	not determined
Melting point:	not determined
Autoignition temperature:	not applicable
Decomposition point:	not applicable

**10. Stability and Reactivity**

**Hazardous reaction**

No hazardous reactions known.

**Hazardous decomposition products**

No hazardous decomposition product known.

**Further information**

none

**11. Toxicological information**

Acute oral Toxicity:	LD50 rat:	not specified
OECD 401	LD50 mouse:	not specified
Acute dermal Toxicity:	LD50 rabbit:	not specified
OECD 402		
Acute inhalative Toxicity:	LC50 rat:	not specified
OECD 403		
Irritant effect on eye:	not determined	
OECD 405		
Irritant effect on skin:	not determined	
OECD 404		
Sensitization/Validation:	not determined	
OECD 406		
Subacute Toxicity:	not determined	
Chronic Toxicity:	not determined	
Mutagenicity/Validation:	not determined	
Reproduction toxicity/ Validation		
Carcinogenicity/Validation:	not determined	

**Experiences made in practice**

None

**Kinetic of the toxic reaction:**

According to the new Material Safety Data Sheet according to REACH, specifications about kinetic of the toxic reaction, metabolism of the substance and allocation of the substance in the human body must be mentioned at this place. Data for this is not available .

**Further toxicological detail**

The classification was made on the basis of the calculation procedure of the preparation directive. No toxicological data is available.

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**12. Ecological information**

**Ecotoxic effects:**

Fishtoxicity:	not applicable
Bacteria toxicity:	not determined
Behavior in environment compartments:	not applicable
Behavior in sewage plant:	not applicable
Biodegradable:	not determined

Chemical oxygen demand  
(COD):

Biochemical oxygen demand  
(BSB5)

AOX-advice: no dangerous components

Contains compounds of  
76/464/EWG: none

General information: Ecological data is not available

**Further information to ecology:**

Do not allow product to reach ground water, body of water or sewage system!

**Bioaccumulation potential:**

No data available

**Effect of the determination of the PTB- and vPvB-Report**

Endocrine disruption potential

If the material causes hormonal effects or prevents them is unknown to us.

**13. Disposal considerations**

**Substance / Preparation**

To dispose off accordingly with notice of the local regulations of authority.

**Disposal key according to AVV regulation**

07 07 99

**Packaging**

Packages that are not contaminated can be recycled.

Packages that can not be cleaned should be disposed of like the product.

**14. Transport information / rules**

**Landtransport ADR/RID**

Classification: not classified as dangerous good

Class: --

UN-Number: --

Classification code: --

Description of the good: Brilliance transparent, Base

Hazard cause: --

Packaging

Packaging group: --

Hazard sheet: --

Limited quantities: --

**Marine transport IMDG/GGVSea**

Classification: not classified as dangerous good

IMDG-Code: --

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UN-Number: --  
EmS: --  
Marine Pollutant: No  
Description of the good: Brilliance transparent, base  
Hazard cause: --  
Packaging  
Packaging group: --  
Hazard sheet: --

**Air transport ICAO-TI and IATA-DGR**

Classification: not classified as dangerous goods  
Class: --  
UN-Number: --  
Description of the good: Brilliance, transparent, base  
Hazard cause: --  
Packaging  
Packaging group: --  
Hazard sheet: --

**15. Regulatory information**

**Labelling according EC guidelines**

Code letter and hazard description/s of the product

The product does not require a hazard warning label in accordance with EC directives. At the moment there exists neither registrations to title 7 either limits to title 8 for the product.

**Hazardous components requiring declaration / spezial labelling**

none

**R-phrases:** --

**S-phrases:**

25: Avoid contact with eyes.  
26: At contact with eyes rinse exhaustive with water and consult a doctor.  
49 Keep only in the original container.  
29/35 Do not empty into drains, dispose of this material and ist container at hazardous or spezial waste collection point.

**Safety assessments**

Safety assessments for substances in this preparation were not executed.

**National rules**

Water hazard class: 1 (slight hazardous for water) according to VwVwS, Annex 4

**Limits for employment**

not relevant

Restriction of occupation: not relevant

Decree for case of interference,  
observe limits no

Classification according to VbF

Classification according to TA-Luft not applicable

Other regulations, restrictions and prohibition regulations

**16. Sonstige Angaben**

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**Further applicable EG Guidelines**

Guideline for preparation (1999/45/EC), at last changed by the guideline 2006/8/EC.  
Substance Guideline (67/548/EWG), at last changed by the guideline 2006/121 EC.  
REACH-Guideline (EC) No. 1907/2006

**Manufacturer's suggested application restriction:**

For dental use only

**R-phrases that has reference to chapter 2 and 3**

none

**Department issuing MSDS:**

Dr. Wolfgang Willmann (Phone: +49 (0) 41 23 – 9228 0)

**Additional Information:**

Origin: <sup>1</sup> <http://www.baua.de>

<sup>2</sup> <http://www.arbeitssicherheit.de>

Some of the information presented and conclusions drawn herein are from sources other than direct test-data on the product itself.

The contents and format of this MSDS are in accordance with EEC Commission (EC) No. 1907 / 2006.

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