

**Sicherheitsdatenblatt**  
gemäß Verordnung (EG) Nr. 1907 / 2006

Revision: 3  
überarbeitet am: 10.05.2017 SW

## 1. Chemical product and company identification

**Product name:**

WP Occlusion, green or red

**Application of the product:**

Auxiliary for dental technology.  
For marking the contact points at prosthetic works.

**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**

+49 (0) 4123 / 9228 0 / +49 (0) 4123 / 9228 49 / info@wp-dental.de

**Emergency Information (24 hours)**

Dr. Wolfgang Willmann  
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## 2. Hazard identification

**Classification according to regulation (EG) No. 1272/2008**



Danger

Flam. Aerosol 1

Extremely flammable aerosol

**H222**

extremely flammable aerosol

**H229**

Pressurised container: May burst if heated.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211

Do not spray on an open flame or other ignition source.

P251

Do not pierce or burn, even after use..

P410+P412

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.



**Sicherheitsdatenblatt**  
**gemäß Verordnung (EG) Nr. 1907 / 2006**

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### 3. Composition/Information on Ingredients

**Chemical characterization:**

**Description:**

Ingredients	Cas-No./ EINECS-No./ EG-No.	Percentage (%)	Identification
Isobutane	Cas-No. 75-28-5 EINECS-No. 200-857-2	90-95	F+; R 12 Danger:  2.2 / L Warning:  2.5/ L

### 4. First-Aid-Measures

**General Advices:**

Take off with product contaminated clothes.

**After skin contact:**

Wash off skin with soap and water.  
Generally the product does not irritate the skin.

**After eye contact:**

Rinse opened eye for several minutes under running water.

**After inhalation:**

Supply fresh air; consult doctor in case of symptoms.

**After swallowing:**

If symptoms persist consult doctor.

### 5. Fire-Fighting-Measures

**Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing media:**

Water with full jet

**Particular danger through the product itself,  
its combustion products or gases:**

Formation of explosive air/vapour mixtures are possible.

**Protective equipment:**

Use conventional measures to combat chemical fires, that means use self-contained Breathing apparatus (isolating-unit).

### 6. Accidental release measures

**Personal precautions:**

Wear protective equipment. Keep unprotected persons away.

**Environmental protection measures:**

No special measures required.

**Methods for cleaning / absorption:**

Ensure adequate ventilation.

### 7. Handling and Storage

**Handling:**

Open and handle receptacle with care.  
The conventional precautions for works with chemicals are to be adhered.

**Sicherheitsdatenblatt**  
gemäß Verordnung (EG) Nr. 1907 / 2006

Revision: 3  
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Ensure adequate ventilation.

**Information about fire- and explosion protection:**

Keep ignition sources away – Do not smoke.  
Protect against electrostatic charges.

**Storage conditions:**

Observe official regulations on storing packagings with pressurized containers.  
Protect from heat and direct sunlight.  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.  
Do not expose to temperatures exceeding 50°C/122°F.

**Information about storage in one common storage facility:**

Not required.

**Storage category:**

2 B

**8. Exposure Controls/Personal Protection**

**Limit values for the exposition at work station and / or biological limit values  
work station limit values (AGW) Germany**

<b>Components with critical values that require monitoring at the workplace:</b>	
75-28-5 Isobutane	
AGW	2400 mg/m <sup>3</sup> , 1000 ml/m <sup>3</sup> 4 (II); DFG

**Personal protective equipment:**

Pay attention of protection- and hygienic measures. Protection clothes must be stored separately.  
The usual precaution measures must be attended.

Breathing protection:	Not necessary
Eye protection:	Tightly sealed goggles
Hand protection:	Wear suitable gloves
Body protection:	Wear business usual protection clothes.
Other protection measures:	none
Advices for hygienic at work station:	Comply business usual protection- and hygienic measures. Preventive skin protection. Wash hands and skin after finishing work.

**9. Physical and chemical properties**

**Appearance:**

Form:	Compressed liquefied gas
Colour:	Different according to colouring
Odour/Flavour:	Characteristic

**Safety relevant data:**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	-11°C
Flash point:	Not applicable, as aerosol.
Ignition temperature:	460°C
Solubility in / Miscibility with water:	Insoluble.

**Sicherheitsdatenblatt**  
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Revision: 3  
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Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

**Explosion limits:**

Lower:	1.8 Vol %
Upper:	8.5 Vol %
Vapour pressure at 20°C:	3000 hPa
Density at 20°C:	0.6 g/cm <sup>3</sup>
Solvent content:	not applicable
Solids content:	1-5 %

**10. Stability and Reactivity****Conditions to avoid:**

Protect from heat and direct sunlight.

**Substance to avoid:**

Not known

**Hazardous decomposition products:**

None, if used according to directions.

**Further information:**

None

**11. Toxicological information****Acute toxicity:**

At skin:	No irritating effect.
At eyes:	No irritating effect.
Sensitization:	No sensitizing effects known.

**Kinetic of the toxic reaction:**

According 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 Information:**

By appropriate exposure, conventionally use and to our experiences and information the product causes no hazardous effects.

**Further details:**

None

**12. Ecological information****General information:**

Generally not hazardous for water.

**Further detail to ecology:**

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

**Bioaccumulation potential:**

No data available

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

Endokrine disruption potential  
Ob das Material hormonelle Effekte auslöst oder verhindert ist nicht bekannt.

**Sicherheitsdatenblatt**  
**gemäß Verordnung (EG) Nr. 1907 / 2006**

Revision: 3

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**13. Disposal considerations****Substance / Preparation:**

Must not be disposed together with household garbage.

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

Do not empty into drains.

**Disposal key according to AVV regulation:**

16 05 04 Gases in pressure containers (including halons) containing dangerous substances

**Package:**

Waste disposal according to official state regulations.

**14. Transport information/rules****Land transport ADR/RID (cross-border)**

ADR/RID class: 2 5F Gases.

Danger code (Kemler): -

UN-Number: 1950

Packaging group: -

Hazard label: 2.1

Description of goods: 1950 AEROSOLS

Limited Quantities: LQ2

Transport category: 2

Tunnel restriction code: B/D

Remarks: LQ: Max. 30kg each package (apply "UN 1950" and "AEROSOLE" on carton)

**Maritime transport IMDG:**

IMDG Class: 2.1

UN Number: 1950

Label: 2.1

Packaging group: -

EMS Number: F-D, S-U

Marine pollutant: No

Proper shipping name: AEROSOLS

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

ICAO/IATA Class: 2.1

UN Number: 1950

Label: 2.1

Packing group: -

Proper shipping name: AEROSOLS, flammable

**UN "Model Regulation":**

UN1950, AEROSOLS, 2.1

**Sicherheitsdatenblatt**  
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Revision: 3  
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## 15. Regulatory Information

### Classification and Labelling according to regulation (EG) No. 1272/2008



Danger

Flam. Aerosol 1      Extremely flammable aerosol

<p><b>H222</b></p> <p><b>H229</b></p> <p>P210</p> <p>P211</p> <p>P251</p> <p>P410+P412</p>	<p>extremely flammable aerosol</p> <p>Pressurised container: May burst if heated.</p> <p>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>Do not spray on an open flame or other ignition source.</p> <p>Do not pierce or burn, even after use..</p> <p>Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p>
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**National Rules:**

Water Hazard Class:    Generally not hazardous for water.

**Further regulations, limitations and legal requirements:**

Customs tariff number: 3212 90 90

## 16. Other information

**Further applicable EG Guidelines:**

Guideline for preparation (199/45/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:**

Only for commercial use – no public product.

**H- and P-phrases on which is referred in chapter 2 and 3:**

**H222**    extremely flammable aerosol

**H229**

<p>P210</p> <p>P211</p> <p>P251</p> <p>P410+P412</p>	<p>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>Do not spray on an open flame or other ignition source.</p> <p>Do not pierce or burn, even after use..</p> <p>Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p>
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**Changes compared to the last version :**

Change of Hazard identification  
Change of Exposure Controls/Personal Protection  
Change of Toxicological information  
Change of Ecological information  
Change of Disposal considerations  
Change of Other information

**Sicherheitsdatenblatt  
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Revision: 3  
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**Department issuing MSDS :**

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**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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