

**Material Safety Data Sheet**  
**according to decree (EC) No. 1907/2006**

Rev. 3

Rev. Date: 20.03.2012 LK

**1. Chemical product and company identification****Product name**

Pro Fill

**Application of the product**

Temporary fillings

**Manufacturer**

Willmann &amp; Pein GmbH

**Street**

Schusterring 35

**Zip-Code / Town**

25355 Barmstedt

**Contact for technical Information**

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**Phone / Fax / E-Mail**+49 (0) 4123 – 9228 0 / +49 (0) 4123 – 9228 49 / [info@wp-dental.de](mailto:info@wp-dental.de)**Emergency Information (24 hours)**

Dr. Wolfgang Willmann

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**2. Hazard Identification****Potential Hazards**

Irritant

Categorization: Xi R36/37/38

**Additional hazard advices for human and environment**

none

**3. Composition/Information on Ingredients****Chemical characterization****Hazardous ingredients**

Ingredients	Cas-No./EINECS-No./EG-No.	Percentage (%)	Identification
Aliphatic Urethanmethacrylate		0-60	Xi, R36/37/38
Camphor quinone		0-0,1	Xi, R36/37/38

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**4. First-Aid-Measures**

**General Advices**

Take off with product contaminated clothes.

Contact a physician if symptoms are obviously showing influence of the product to skin, eyes or through inhalation of vapour.

**After skin contact**

Wash off skin with soap and water.

Contact a physician if the skin is irritated.

**After eye contact**

Rinse eyes an efficient time.

Contact ophthalmologist if irritation is persisting.

**After inhalation**

Take person to fresh air.

Seek medical treatment.

**After swallowing**

Seek medical advice immediately.

**5. Fire-Fighting-Measures**

**Suitable extinguishing agents**

Foam, powder, CO<sub>2</sub>.

Use fire fighting measures that suit the environment

**For safety reasons unsuitable extinguishing media**

Water with full jet.

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

In the event of fire or thermal decomposition there is development of carbon monoxide and carbon dioxide.

**Protective equipment for fire-fighters**

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

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**6. Accidental release measures****Personal precautions**

Arrange for fresh air. Use personal protective clothing.  
Use breathing protection against the effects of fumes/dust/aerosol.  
Avoid contact of skin with hot spilling out liquids. Keep away from ignition sources.

**Environmental protection measures**

Do not allow to get into sewer system, surface water or ground water.

**Methods for cleaning / absorption**

Take up larger quantities mechanically, absorb smaller quantities with universal binder (diatomaceous earth, expanded mica, sawdust)  
Dispose of contaminated material as waste in accordance with section 13.

**7. Handling and storage****Handling**

The conventional precautions for works with chemicals are to be adhered.  
Always keep the bottle tightly closed.  
Provide adequate room ventilation.

**Information about fire- and explosion protection**

Keep respiratory protective device available.  
Keep away from sources of ignition. – No smoking.  
Use only explosion protected devices.  
Take measures against electrostatic charging.

**Storage conditions**

Store material in a tightly closed container (original container) at a cool and dry place (max. 30°C) and protected against sunlight.  
Only fill the container until 90%, to use the polymerisation inhibitory effect of atmospheric oxygen.

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**8. Exposure Controls/Personal Protection****Limit values for the exposition at work station and/ or biological limit values work station limit values (AGW) Germany**

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

**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: In case of brief exposure or low pollution use respiratory filter device; intensive or longer exposure use self-contained breathing apparatus.

Eye protection: Protection goggles

Hand protection: Sensibilisation: Wearing of applicable protection gloves is recommended. (by experience of the past / literature) for example Ethiparat-groves for 5-10 minutes, application of no-touch-technique, minimal-contact-techniques is recommended.

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: paste-like  
Colour: clear paste  
Odour: acrylates/methacrylates

**Safety relevant data**

Flash point: not defined  
Solubility in water: insoluble in water  
Organic solvents: soluble with most of the usual organic solvents  
Density: 1,075g/cm<sup>3</sup>, at 20°C  
Steam pressure: <1,3 mbar, at 100°C  
Danger of explosion: The product is not explosive.  
May form flammable/explosive vapour-air mixture.

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

Beware of heat, solar radiation and light impact to avoid early slow polymerization.

**Substances to avoid**

Avoid contact with radical forming initiators, peroxides, strong alkalies or reactive metals to prevent exothermic polymerisation.

**Hazardous decomposition products**

None, if used according to directions.

**Further information**

After considerably exceedance of storage time and / or exceedance of storage temperature it is possible that the product starts polymerizing under low heat impact.

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

At skin:	irritation
At Eyes:	irritation
At respiratory system:	irritation

**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 Information**

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

**Further details**

none

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

Fish toxicity:	not applicable
Water organism:	not applicable
Bacteria toxicity:	not applicable

**Further detail to ecology**

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

**Bioaccumulation potential**

No data available

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**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 of accordingly with notice of the local regulations of authority.

Do not empty into drains.

**Disposal key according to AVV regulation**

16 03 05 (organic disposal, that contains hazardous substances)

**Packaging**

Not contaminated packaging can be recycled.

**14. Transport informations/rules****Land transport ADR/RID**

Classification

Class: - (No hazardous material as defined by the transport regulations)

UN-Number: -

Classification code: -

Description of the good: Pro-Fill

Hazard cause: -

Packaging:

Packaging group:

Hazard sheet: not necessary

Limited Quantities:

**Maritime transport IMDG/GGVSea**

Classification

IMDG-Code: -

UN-Number: - (No hazardous material as defined by the transport regulations)

Ems:

Marine Pollutant: -

Description of the good: Pro-Fill

Hazard cause: -

Packaging

Packaging group:

Hazard sheet: not necessary

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

Classification

Class:-

UN-Number: - (No hazardous material as defined by the transport regulations)

Description of the good: Pro-Fill

Hazard cause: -

Packaging

Packaging group:

Hazard sheet: not necessary

**15. Regulatory Information****Labelling according EU guidelines**

Code letter and hazard description of the product:



Xi, Irritant

R36/37/38, Irritating to eyes, respiratory system and skin

**Hazard decisive components for the labelling**

contains: --

**National Rules**

Water Hazard Class: 2 (Estimation on the basis of the ingredients)

**16. Other information****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 on which is referred in chapter 2 and 3**

36/37/38 Irritation to eyes, respiratory system and skin

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**Changes compared to the last version**

Change of Potential hazards  
Change of Composition/Information on Ingredient  
Exposure Controls/Personal Protection  
Physical and chemical Properties  
Toxicological information  
Ecological information  
Disposal considerations  
Regulatory Information  
Other information

**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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