

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

Revision: 03

Revision Date: 04.05.2017 SW

**1. Chemical Product and Company Identification****Product name:**

WP-Metalprime

**Application of the product:**

Adhesions liquid for the connection of metal with acrylic and composite resins.

**Manufacturer:**

Willmann &amp; Pein GmbH

**Street:**

Schusterring 35

**Zip-Code / Town:**

D-25355 Barmstedt

**Contact for technical information:**

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**Phone / Fax / E-Mail:**

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**Emergency Information (24 hours)**

Dr. Wolfgang Willmann

Tel: +49 (0) 170 / 4053052

**2. Hazards Identification****2.1 Classification of the substance or mixture****According to Regulation (EC) No. 1272/2008:**

- Liquid and vapour are highly flammable

**2.2 Label elements****Labelling according to Regulation 1272/2008 (GHS/CLP)**

Warning

**Danger notes****H225** Liquid and vapour highly flammable**Safety instructions**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment

P241 Use explosion-proof electrical/ventilating/lighting/.../equipment

P242 Use only non-sparking tools

P243 Take precautionary measures against static discharge

P280 Wear protective gloves/protective clothing/eye protection/face protection

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P303+P361+P353

IF ON SKIN (or hair): take off immediately all contaminated clothing. Rinse skin with water shower

P353

Rinse skin with water/shower

P370+P378

In case of fire: Use...to extinguish

P403+P235

Store in a well-ventilated place. Keep cool.

P501

Dispose of contents/container to...

**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
Ethanol 96 %	Cas-No.: 64-17-5 EG-No. 200-578-6 EG-Index-No.: 603-002-00-5	0-70 %	F, R11
10-Methacryloyl-oxydecyl- dihydrogenphosphat	Cas-No.: 85590-007	0-3 %	C, R34

**4. First-Aid-Measures****General advices:**

Take off with product contaminated clothes.

**After skin contact:**

Wash off skin with soap and water and rinse thoroughly.

**After eye contact:**

Rinse eyes an efficient time.

Contact ophthalmologist if irritation is persisting.

**After inhalation:**

Take person to fresh air.

**After swallowing:**

Seek medical advice immediately.

**5. Fire-Fighting-Measures****Suitable extinguishing agents:**CO<sub>2</sub>, powder or water spray.

Fight larger fire with alcohol-resistant foam.

**For safety reasons unsuitable extinguishing media:**

none

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

Can form explosive gas-air mixtures.

**Protective equipment for fire-fighters:**

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

**Further information:**

Vapours of this product are heavier than air. Pay attention to backfire.

Cool containers at risk with water spray jet.

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

Use personal protective clothing  
 Do not breathe vapours and avoid contact with eyes.  
 Keep away from sources of ignition.  
 Arrange for fresh air.

**Environmental protection measures:**

Do not drain into canalization.  
 Danger of explosion.

**Methods for cleaning / absorption:**

Absorb with liquid binding material.  
 Arrange for fresh air.  
 Dispose material under adherence to the local official rules for hazardous wastes.

**7. Handling and Storage****Handling:**

The conventional precautions for works with chemicals are to be adhered.  
 Wear overall while working.  
 Care for a good ventilation and exhaust system at the workplace.

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

Vapours may form explosive mixture with air.  
 Keep away from sources of ignition – No smoking.  
 Take measures against electrostatically supercharging.

**Storage conditions:**

Store cool, dry and tightly closed.  
 Storage time: 3 years if storage conditions will be kept.

**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: Required when dusts or aerosols are generated. Filter A

Eye protection: Wear protection goggles when working at material

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

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**9. Physical and chemical Properties****Appearance:**

Form:	Liquid
Appearance:	clear liquid
Colour:	clear / transparent
Odour/Flavour:	alcohol / ethanol

**Safety relevant data:**

Flash point:	not available Appreciate by the flash point of the ingredients, Symbol necessary
Solubility in water:	soluble in water
Density:	not available
Ph-value:	not applicable

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

Beware of heat, solar radiation and light impact.

**Substances to avoid:**

None

**Hazardous decomposition products:**

None, if used according to directions.

**Further information:**

None

**11. Toxicological information****Acute Toxicity:**

At skin:	At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
At eyes:	Slight irritation
At respiratory system:	Slight 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 and conventional use and to our experiences and information the product causes no hazardous effects.

**Further details:**

Methacrylates may cause allergic reactions.

**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 waters 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)

**Package**

Packages that are not contaminated can be recycled.

**14. Angaben zum Transport**

**Land transport ADR/RID**

Classification

Class: 3

UN-Number: 1170

Classification code: F1

Description of the good: WP-Metalprime

Hazard cause: Ethanol

Packaging

Packaging group: III

Hazard sheet: 3

Limited Quantities: no information

**Maritime transport IMDG/GGVSea**

Classification: 3

IMDG-Code: -

UN-Number: 1170

EmS:

Marine Pollutant:

Description of the good: WP-Metalprime

Hazard cause: Ethanol

Packaging

Packaging group: III

Hazard sheet: 3

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

Classification

Class: 3

UN-Number: 1170

Description of the good: WP-Metalprime

Hazard cause: Ethanol

Packaging

Packaging group: III

Hazard sheet: 3

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## 15. Regulatory Information

### 2.1 Classification of the substance or mixture

#### According to Regulation (EC) No. 1272/2008:

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### 2.2 Label elements

#### Labelling according to Regulation 1272/2008 (GHS/CLP)



Warning

#### Danger notes

**H225** Liquid and vapour highly flammable

#### Safety instructions

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## 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:

Only for commercial use – no public product

### H-phrases on which is referred in chapter 2 and 3

H225 Highly flammable

### Changes compared to the last version

First version

### Department issuing MSDS:

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

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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.

**Disclaimer of Liability**

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

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