

**Material Safety Data Sheet  
according to decree (EC) No. 1272 / 2008**

Revision: 6

Revision Date: 22.01.21 SW

**1. Chemical product and company identification**

**Product name:**

**LiWa Form** (Light curing modeling paste for precasted shapes, blue)

**Application of the product:**

Modelling paste in precasted shapes, blue, for dental technicians

**Manufacturer:**

**Willmann + Pein GmbH**

**Street:**

Schusterring 35

**Zip-Code / Town**

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

Phone: +49 (0) 170 405 30 52

**2. Hazard Identification**

**Classification of the substance or mixture**

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

- Causes skin irritation
- May cause an allergic skin reaction
- Causes serious eye irritation
- May cause respiratory irritation



Warning

**H315** Causes skin irritation

P264 Wash...thoroughly after handling

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

P302 + P352 IF ON SKIN: Wash with plenty of water

P321 Specific treatment (see...on this label)

P332 + P313 If skin irritation occurs: Get medical advice/attention

P362 + P364 Take off contaminated clothing and wash it before reuse

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<p><b>H317</b> P272</p> <p>P280</p> <p>P302 P352 P333 P313 P362 P364 P501</p>	<p>may cause skin irritation Contaminated work clothing should not wear outside the workplace</p> <p>Wear protective gloves/protective clothing/eye protection/face protection</p> <p>In contact with skin: Flush with plenty of water and soap When skin irritation or rash occurs: Seek medical advice resp. medical attendance Take off contaminated clothing and wash before wearing again wash before wearing again Ingredients/container have to be disposed in accordance with local/regional/national/international regulations</p>
<p><b>H319</b> P305+P351+P338</p> <p>P337+P313</p>	<p>causes serious eye irritation IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.</p>
<p><b>H335</b> P271 P304+P340</p> <p>P312 P403+P233 P405</p>	<p>may cause respiratory irritation Use only outdoors or in a well-ventilated area. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor/.../if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Store locked up.</p>
<p><b>H335</b> P271 P304+P340</p> <p>P312 P403+P233 P405</p>	<p>may cause respiratory irritation Use only outdoors or in a well-ventilated area. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor/.../if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Store locked up.</p>

**3. Composition/Information on Ingredients**

Light curing modeling-material based on acrylates and their derivatives

- Index-number: 607-133-00-9
- Hazardous ingredients: Acrylates and their derivatives

H-phrases to be used: **H315, H317, H319, H335**

**4. First-Aid-Measures**

**General Advices:**

Take off with product contaminated cloth.

**After skin contact:**

Remove by washing with water and soap.

**After eye contact:**

Rinse with plenty of water while eyes are opened. In case of continuing disorders contact a physician.

**After inhalation:**

Bring relevant person to fresh air.

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**After swallowing:**

Contact a physician.

**5. Fire-Fighting-Measures**

**Suitable extinguishing media:**

Foam., dry powder, carbon dioxide, waterspray-stream,  
Adjust fire-fighting-measures to ambience.

**For safety reasons not suitable extinguishing media:**

None known

**Special protective equipment by fire-fighting:**

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

**6. Accidental release measures**

**Personal precautions:**

Take care of adequate aeration

**Environmental precautions:**

Not not attain not hardened material into sewer-system.

**Methods for cleaning/asorption:**

Pick up material mechanically, dispose only complete cured material.  
Dispose material under adherence to the local official rules for hazardous-wastes .

**7. Handling and Storage**

**Handling:**

**Indications for safety handling:**

The conventional precautions for works with chemicals is to be adhered.

Wear overall while working. Avoid skin-contact by using of instruments and **minimal-contact-techniques**. For fine-manual-works protection-gloves made of polyethylene for ex. Ethiparat® protection-gloves afford protection for approx. 5 – 10 minuets (based on experiances of the past time/literature)

Wash hands before pauses and after work.

**Storing**

Store material in a tightly closed container at a cool and dry place and protected against sunlight.

**Indications for fire- and explosion-prevention:**

No special measures necessary.

**8. Exposure Controls/Personal Protection**

**Additional advice for composition of technical constructions:**

None

**Personal protective:**

General:

Take care off general protection-and hygienic-measures. Store separated from working clothes. The conventional precautions for works with chemicals is to be adhered

**Eye-protection**

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Use goggles while working.

**Hand-protection****Sensitization:**

The wearing of protection-gloves (out of experiences in paste-time /literature) for ex. Ethiparat®-protection-gloves for 5-10 minuets, for the application in No-Touch-Technique, **minimal-contact-techniques** is recommended.

**Body-protection**

Occupation conventional wear working-clothes

**Hygienic-measures**

Occupation conventional protection- and hygienic-measures.

**9. Physical and chemical Properties****Appearance:****Form:** Kneedable mass in precasted shapes**Farbe:** Blue**odour:** Characteristic**Safety relevant data:****pH-Value:** Not applicable**Flashpoint:** > 150°C  
Methode DIN 51758**Explosionrisk:** No**Explosions-limits:** Not applicable**Relative density:** Not appointed**Vapour-pressure:** Not appointed**Water-solubility:** At 20°C  
practible insoluble**Acetic acid-ester:** Soluble**Isopropanol:** Soluble in parts**10. Stability and Reactivity****Conditions to avoid:**

To avoid slowly polymerisation protect from warmneth, incident solar radiation and light-action.

**Preventing materials:**

Product polymerises at contact with radical-former.

**Hazardous decomposition-products:**

None if used conventionally

**Additional advise:**

The product could slowly polymerise in case of constitutive exeeding of storage-time and less development of heat.

**11. Toxicological information****Estimated by means of containings:****Acute Toxicity:****at skin:** Irritating**at eyes:** Irritating

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**Sensitization:** If exposed a sensitization by skin-contact is possible.

**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 .

**Experience of the practice:**

No data existing

**Further detail:**

The product is to be handled with the usual care when handling chemicals. The product is to be labelled.

**Additional toxicological advices:**

The product has to be labelled. By appropriate exposure and conventionally use and to our experiences and informations the product causes no hazardous effects.

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

water-dangerous-class 1 (Self-categorization): slightly water-dangerous

Do not attain into ground-water, water-bodies or sewer-system.

**Ecotoxic effects:**

Fish toxicity: no data existing

Water organism: no data existing

Daphnia toxicity: no data existing

Mobility: no data existing

**Further details to ecology:**

Do not allow product to reach ground water or sewage system.

**Bioakkumulation 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.

**13. Disposal considerations****The product itself:****Recommendation:****Not hardened material:**

Disposal key according to AVV Regulation

<b>European Waste Catalogue</b>	
18 01 06	Chemicals, made of, or consisting hazardous materials

**Hardened material:**

Dispose according to the official/national Rules, as a general rule special-treatment, do not attempt to drain.

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**Uncleaned packaging:**

Recommendation:: Treatment as described under point „NOT HARDENED MATERIAL“.

**14. Transport informations/rules**

**Land transport ADR/RID**

Classification

Class: - (no hazardous material in terms of transport rules)

UN-Number: -

Classification code: -

Description of the good: LiWa Form

Hazard cause: -

Packaging

Packaging group: not applicable,

Hazard sheet: not applicable

Limited Quantities: no information

**Maritime transport IMDG/GGVSea**

Classification

IMDG-Code: -

UN-Number: -

EmS:

Marine Pollutant: No

Description of the good: LiWa Form

Hazard cause: -

Packaging

Packaging group: not applicable, because it is only sold in very small quantities (Bottle of 10ml)

Hazard sheet: not applicable

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

Classification

Class: -

UN-Number: -

Description of the good: LiWa Form

Hazard cause: -

Packaging

Packaging group: not applicable, because it is only sold in very small quantities (Bottle of 10ml)

Hazard sheet: not applicable

No dangerous transport-good in terms of the transport-rules:

Keep away from food and stimulants.

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**15. Regulatory Information****Classification of the substance or mixture****According to Regulation (EC) No. 1272/2008:**

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**H315** Causes skin irritation

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**H317**

may cause skin irritation

P272 Contaminated work clothing should not wear outside the workplace

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

P302 In contact with skin:

P352 Flush with plenty of water and soap

P333 When skin irritation or rash occurs:

P313 Seek medical advice resp. medical attendance

P362 Take off contaminated clothing and wash before wearing again

P364 wash before wearing again

P501 Ingredients/container have to be disposed in accordance with local/regional/national/international regulations

**H319**

causes serious eye irritation

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

**H335**

may cause respiratory irritation

P271 Use only outdoors or in a well-ventilated area.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor/.../if you feel unwell.

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P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

**National Rules**

**Classification to VbF:** not applicable

**water-dangerous-class**

WGK 1 (self-categorized)

slightly water-dangerous

**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, at last changed by the REACH-Guideline (EC) No. 1272/2008.

**Manufacturer's suggested application restriction:**

For use of dental technicians only

**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>

**Changes compared to the last version**

Assimilation according REACH-Regulation (EC) No. 1272/2008

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. 1272 / 2008.

**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.

The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge.

For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

**Safety Data Sheet certificating division**

technical department

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