

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

Revision: 2

Revision Date: 22.01.10 RL

**1. Chemical product and company identification**

**Product name:**

**LiWa Universal Isolant**

**Application of the product:**

Isolating material, based on Parafine-Oil

**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**

No hazardous product as in specified in Directive 67/548/EEC

**3. Composition/Information on Ingredients**

**Chemical characterization**

**Description:** Mixture of purified, solid, saturated hydrocarbons.

CAS No. 8012-95-1

EC-No.: 232-384-2

**Additional Indications:**

The accent of the mentioned risk-advice is to see at chapter 16.

**4. First-Aid-Measures**

**After Inhalation:**

supply fresh air, in case of disorders contact physician.

**After skin contact:**

Wash with plenty of soap and water, remove contaminated clothing

**After eye contact:**

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

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**After swallowing:**

Drink a lot of water, Consult doctor if feeling unwell

**5. Fire-Fighting-Measures**

**Suitable extinguishing media:**

Foam, Dry Powder, Carbon dioxide

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

Full water-stream

**Spezial hazard caused by the substance, it's burning products or accuring gases:**

Combustible. Development of hazardous combustion gases or vapours possible in the case of fire.  
Vapouros are heavier than air.

**Special protective equipment:**

Not needed

**Additional Advice:**

Prevent fire-fighting water from entering surface water or groundwater

**6. Accidental release measures**

**Personal precautions:**

Do not inhale vapours /aerosols.

**Environmental preautions:**

Do not allow to enter drains, surface water or ground-water.

**Methods for cleaning/asorption:**

Pick up with liquid-binding material (for example: sand, diatomaceous earth, acid-binding-material or universal-binding material)

**7. Handling and Storage**

**Handling:**

**Indications for safety handling:**

Protect from light

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

Not needed

**Storing:**

**Demands to stockrooms and containers:**

Tightly closed.

**Indications for combined-storage:**

Not required.

**Further details for storage-conditions:**

Maximum storage temperature: no restrictions

**8. Exposure Controls/Personal Protection**

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**Personal protective:**

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: required when vapours/aerosols are generated.

Eye protection: required

Hand protection: In full contact:  
Glove material: nitrile rubber  
Layer thickness: 0.11 mm  
Breakthrough time: >480 Min.

In splash contact:  
Glove material: nitrile rubber  
Layer thickness: 0.11 mm  
Breakthrough time: >480 Min.

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374, for example KCL 740 Dermatril® (full contact), 740 Dermatril® (splash contact). The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data sheet and supplied by us as well as to the purpose specified by us. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de))

**General protection- and hygienic measures:**

The conventional precautionary measures while contact with chemicals are to be observed.

**Breath protection:**

At temporary or small exposure use breathing filtration unit; in case of intensive or longer-termed exposition use self-contained breathing apparatus: Filter A

**Hand-protection:**

See above

**Eye protection:**

See above

**Skin- and Body-protection:**

If larger quantities are handled wear Boots made of Rubber and Pinafore made of rubber.

**Protection-glove-material:**

See above

**Penetration-time of the Protection-Glove-Material:**

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The exact penetration-time is to be known from the manufacturer and to be adhered.

**For permanent contact of maximal 15 minutes Protection-Gloves out of the following Materials are practicable:**

natural rubber (latex)

## 9. Physical and chemical Properties

### Appearance:

**Form:** Liquid  
**Colour:** colourless  
**Odour:** odourless

### Safety relevant data:

**pH-Value:** not applicable  
**Melting point/area:** not available  
**Boiling point/area:** 300-450°C  
**Flashpoint:** ~195°C DIN 51755  
**Ignition point:** >300°C DIN 1794  
**Self-inflammable:** The product is not self-inflammable.  
**Explosion-risk:** not available.  
**Explosion-limit:**  
**Lower:** not available  
**Upper:** not available  
**Vapour-pressure at 20°C:** 0,0001 hPa at 20°  
**Density at 20°C:** 0,85 g/cm<sup>3</sup> at 20°  
**Solubility/miscibility with water:** not or rather sparse miscible  
**Contents of solubilities:**  
**Water:** insoluble  
**Viscosity**  
**dynamic** 25-80 mPa's at 20° (Brookfield)

## 10. Stability and Reactivity

### Conditions to avoid:

No information available

### Hazardous reactions:

No information available

### Hazardous decomposition-products:

No information available

## 11. Toxicological information

### Acute toxicity:

#### Classification-relevant LD/LC50 values:

Components	form	value	species
hydrocarbons.	oral (OECD 401)	>3000 mg/kg	rat
	Dermal	>5000mg/kg	rabbit

### Further toxicological information:

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When vapours/aerosols are generated: Inhalation may lead to the formation of oedemas in the respiratory tract. Cannot be excluded: pneumonia. After swallowing of large amounts: gastrointestinal complaints.

**Experiences at humans:**

No data available

**Additional toxicological Advices:**

No toxic effects are to be expected when the product is handled appropriately. The product should be handled with the care usual when dealing with chemicals.

**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 not to be labelled.

**Additional toxicological advices:**

Based on the Analysis of the broadly categorization-rules of the EC for compositions in final valid version the products features following dangers: none

**12. Ecological information**

**Ecotoxic effects:**

Fish toxicity: LC50: > 1000 mg/l – NOEC: 40 mg/l

Water organism:

Algae-toxicity: Algae LC50: >1000mg/l

Daphnia toxicity: EC50: >1000 mg/l

**Further details to ecology:**

No ecological problems are to be expected when the product is handled and uses with due care and attention

**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**

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**Product:****Recommendation:**

Dont dispose together with domestic-waste. Do not drain into sewer-system.

Disposal key according to AVV Regulation

<b>European Waste Catalogue</b>	
16 07 08	Chemicals, made of, or consisting oily materials

**Uncleaned Packagings:****Recommendation:** Dispose according to the official rules.**Packagings:**

Packages that are not contaminated can be recycled

**14. Transport informations/rules****Road transport/ADR, RID und GGVS/GGVE (cross-border/national):**

ADR/RID-GGVS/E class: -  
 Digit/letter: -  
 Kemler-rate: -  
 UN-No.: -  
 Name of the material: Paraffineoil

**Inland-navigation-transport, ADN, ADNR**

ADN/R-class: -  
 Digit/letter : -  
 Name of the material: -

**Sea transport IMDG, GGVSea**

IMDG/GGVSea-class: -  
 UN-No: -  
 Packaging-group: -  
 Correct technical name: -

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

ICAO/IATA-class: -  
 UN/ID-No: -  
 Packaging-group: -  
 Correct technical name: -

No dangerous goods according to the transportation rules

**15. Regulatory Information****Marking according to EC-Rules:**

The product has not to be labelled and marked according to the EC-Rules/GefStoffV

**Code letter and hazard-denotation:**

None

**R-Phrases:**

None

**S-Phrases:**

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**none**

**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 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. 1907/2006

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.

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 certifying division**

technical department

**Contact person:**

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