

Material safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.07.2015

Version number 1

Revision: 01.07.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**

· **Trade name:** LECOL 5500 Parquet Adhesive

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

· **Application of the substance / the mixture** Adhesives

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

WAKOL GmbH

Bottenbacher Str. 30

66954 Pirmasens

thomas.wieland@wakol.de

+49 (0)6331 8001 144

· **Informing department:** Industrial Safety Department

· **1.4 Emergency telephone number:**

During business hours: Industrial Safety Department; +49 (0) 6331 8001 144

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

STOT SE 2 H371 May cause damage to organs. Route of exposure: Oral, Inhalative.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xn; Harmful

R20/21/22-68/20/21/22: Harmful by inhalation, in contact with skin and if swallowed. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.



F; Highly flammable

R11: Highly flammable.

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

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Trade name: LECOL 5500 Parquet Adhesive

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· **Hazard pictograms**



GHS02 GHS07 GHS08

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

Harzsäuren und Kolophoniumsäure
methanol

· **Hazard statements**

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H371 May cause damage to organs. Route of exposure: Oral, Inhalative.

· **Precautionary statements**

P210 Keep away from open flames. - No smoking.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P261 Avoid breathing mist/vapours/spray.
P280 Wear protective gloves / eye protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.
· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:** Adhesive

· **Dangerous components:**

CAS: 73138-82-6	Harzsäuren und Kolophoniumsäure	5<15%
EINECS: 277-299-1	Xi R43 Skin Sens. 1, H317	
CAS: 67-56-1	methanol	2.5-<10%
EINECS: 200-659-6	T R23/24/25-39/23/24/25; F R11 Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370	
CAS: 79-20-9	methyl acetate	2.5-<10%
EINECS: 201-185-2	Xi R36; F R11 R66-67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	
CAS: 67-64-1	acetone	1.0-<5%
EINECS: 200-662-2	Xi R36; F R11 R66-67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	

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Additional information For the wording of the listed risk phrases refer to section 16.**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **After inhalation** Supply fresh air.
- **After skin contact** Generally the product does not irritate the skin.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing** Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Keep away from ignition sources.
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Pick up mechanically.
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

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SECTION 8: Exposure controls/personal protection· **Additional information about design of technical systems:** No further data; see item 7.· **8.1 Control parameters**· **Components with critical values that require monitoring at the workplace:****67-56-1 methanol**WEL Short-term value: 333 mg/m³, 250 ppmLong-term value: 266 mg/m³, 200 ppm

Sk

79-20-9 methyl acetateWEL Short-term value: 770 mg/m³, 250 ppmLong-term value: 616 mg/m³, 200 ppm**67-64-1 acetone**WEL Short-term value: 3620 mg/m³, 1500 ppmLong-term value: 1210 mg/m³, 500 ppm· **DNELs****67-56-1 methanol**

Dermal DNEL 8 mg/kg/day (general population (short-term))

8 mg/kg/day (general population (long-term))

40 mg/kg/day (workers (short-term))

40 mg/kg/day (workwr (long-term))

Inhalative DNEL 50 mg/m³ (general population (short-term))50 mg/m³ (general population (long-term))260 mg/m³ (workers (short-term))**79-20-9 methyl acetate**

Dermal DNEL 44 mg/kg/day (consumer (short-term))

88 mg/kg/day (workers (short-term))

Inhalative DNEL 131 mg/m³/day (consumer (short-term))305 mg/m³/day (workers (short-term))· **PNECs****67-56-1 methanol**

PNEC 154 mg/l (freshwater)

15.4 mg/l (sea water)

23.5 mg/l (soil)

100 mg/l (purification plant)

79-20-9 methyl acetate

PNEC 0.12 mg/l (freshwater)

0.012 mg/l (sea water)

1.2 mg/l (water - partially release)

0.0416 mg/kg (soil)

0.0128 mg/kg (sediment (sea water))

0.128 mg/kg (sediment (freshwater))

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600 mg/l (purification plant)

- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**
Preventive skin protection by use of skin-protecting agents is recommended.
After each cleaning use treatment creams, for very dry skin greasy ointments.
For direct contact with liquid adhesive (for example cleaning works): protective gloves pursuant EN 374.
Otherwise, no hand protection necessary.
- **Material of gloves** Butyl rubber, BR
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Not required.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** Pasty
 - Colour:** Beige
 - Smell:** Characteristic
- **Change in condition**
 - Melting point/Melting range:** Undetermined.
 - Boiling point/Boiling range:** 57 °C
- **Flash point:** -18 °C
- **Ignition temperature:** 455 °C
- **Self-inflammability:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Critical values for explosion:**
 - Lower:** 2.1 Vol %
 - Upper:** 44.0 Vol %
- **Steam pressure at 20 °C:** 247 mbar
- **Density at 20 °C** 1.48 g/cm³ (EN ISO 2811-1)
- **Solubility in / Miscibility with**
 - Water:** Insoluble.
- **Viscosity:**
 - dynamic at 20 °C:** 33000 mPas (ISO 2555)
- **Solvent content:**
 - VOC** 21.60 %

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· **9.2 Other information** No further relevant information available.

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SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
 - **Acute toxicity**
 - **LD/LC50 values that are relevant for classification:**
- 67-56-1 methanol**
- Oral LD50 2769 mg/kg (rat)
 Dermal LD50 17100 mg/kg (rabbit)
 Inhalative LC50/4h 128.2 mg/l (rat)
- 79-20-9 methyl acetate**
- Oral LD50 6482 mg/kg (rat)
 Dermal LD50 3705 mg/kg (rabbit)
 >2000 mg/kg (rat)
 Inhalative LC50/4h >49.2 mg/l (rat)
 NOAEC 1.057 mg/l/6h/d (rat) (14-day or 28-day study)
- **Primary irritant effect:**
 - **Skin corrosion/irritation** No irritant effect.
 - **Serious eye damage/irritation** Irritating effect.
 - **Respiratory or skin sensitisation** No sensitising effects known.
 - **Additional toxicological information:**
 The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
 Harmful

SECTION 12: Ecological information

- **12.1 Toxicity**
 - **Aquatic toxicity:**
- 67-56-1 methanol**
- EC5/16h 6600 mg/l (*Pseudomonas putida*)
 EC5/72h >10000 mg/l (*Entosiphon sulcatum*)
 IC5/8d 8000 mg/l (*Scenedesmus quadricauda*)
 LC50/96h 15400 mg/l (*Lepomis macrochirus*)
- 79-20-9 methyl acetate**
- EC10/0,5h 1730 mg/l (*Photobacterium phosphoreum*)

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EC10/16h 1830 mg/l (*Pseudomonas putida*)

1730 mg/l (*Photobacterium phosphoreum*)

EC10/24h 1500 mg/l (sludge)

EC50/24h 1027 mg/l (*Daphnia magna*) (OECD RL 202)

EC50/72h >120 mg/l (a05) (OECD RL 201)

LC50/96h 250-350 mg/l (*Brachydanio rerio*)

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must be specially treated adhering to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

08 04 00 wastes from MFSU of adhesives and sealants (including waterproofing products)

08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, IMDG, IATA**

UN1133

· **14.2 UN proper shipping name**

· **ADR**

1133 ADHESIVES, special provision 640H

· **IMDG, IATA**

ADHESIVES

· **14.3 Transport hazard class(es)**

· **ADR, IMDG, IATA**



· **Class**

3 Flammable liquids.

· **Label**

3

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- **14.4 Packing group** III
- **ADR, IMDG, IATA** III
- **14.5 Environmental hazards:** Not applicable.
- **Marine pollutant:** no
- **14.6 Special precautions for user** Warning: Flammable liquids.
- **Kemler Number:** 33
- **EMS Number:** F-E,S-D
- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:**

- **ADR**
- **Limited quantities (LQ)** 5L
- **Excepted quantities (EQ)** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
- **Transport category** 3
- **Tunnel restriction code** D/E

- **IMDG** Packing Group is in accordance with IMDG-Code 2.3.2.3.
- **Limited quantities (LQ)** 5L
- **Excepted quantities (EQ)** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
- **UN "Model Regulation":** UN1133, ADHESIVES, special provision 640H, 3, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **VOC:**
- **VOC (EU)** 319.7 g/l
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
- H225 Highly flammable liquid and vapour.
- H301 Toxic if swallowed.
- H311 Toxic in contact with skin.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H336 May cause drowsiness or dizziness.
- H370 Causes damage to organs.

- R11 Highly flammable.
- R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

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R36 Irritating to eyes.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R43 May cause sensitisation by skin contact.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

· **Department issuing data specification sheet:** Industrial Safety Department.

· **Contact:** Dr. Thomas Wieland

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Acute Tox. 3: Acute toxicity, Hazard Category 3

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

STOT SE 1: Specific target organ toxicity - Single exposure, Hazard Category 1

STOT SE 2: Specific target organ toxicity - Single exposure, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3