

# Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 26.11.2009

Revision: 26.11.2009

## 1 Identification of substance

- **Product details**

- **Trade name:** WATERVRIJE PARKETLIJM 5500

- **Application of the substance / the preparation** Adhesives

- **Manufacturer/Supplier:**

WAKOL GmbH

Bottenbacher Str. 30

66954 Pirmasens

thomas.wieland@wakol.de

+49 (0)6331 8001 144

- **Informing department:** Industrial Safety Department

- **Emergency information:**

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

## 2 Hazards identification

- **Hazard designation:**



Xn Harmful

F Highly flammable

- **Information pertaining to particular dangers for man and environment**

R 11 Highly flammable.

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

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

- **Classification system**

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

## 3 Composition/information on ingredients

- **Chemical characterization**

- **Description:** Adhesive

- **Dangerous components:**

CAS: 67-56-1      methanol      2.5-<10%

EINECS: 200-659-6      T, F; R 11-23/24/25-39/23/24/25

CAS: 79-20-9      methyl acetate      2.5-<10%

EINECS: 201-185-2      Xi, F; R 11-36-66-67

CAS: 67-64-1      acetone      1.0-<5%

EINECS: 200-662-2      Xi, F; R 11-36-66-67

- **Additional information** For the wording of the listed risk phrases refer to section 16.

## 4 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.

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· *After swallowing Do not induce vomiting; call for medical help immediately.*

**5 Fire fighting measures**

- **Suitable extinguishing agents**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with full jet
- **Protective equipment:** No special measures required.

**6 Accidental release measures**

- **Person-related safety precautions:**  
Ensure adequate ventilation  
Keep away from ignition sources.  
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **Measures for environmental protection:**  
Inform respective authorities in case of seepage into water course or sewage system.
- **Measures for cleaning/collecting:**  
Pick up mechanically.  
Dispose contaminated material as waste according to item 13.

**7 Handling and storage**

- **Handling**
- **Information 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.
- **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.

**8 Exposure controls and personal protection**

- **Additional information about design of technical systems:** No further data; see item 7.
  - **Components with critical values that require monitoring at the workplace:**
- 471-34-1 calcium carbonate**  
OES Long-term value: 10\*4\*\* mg/m<sup>3</sup>  
\*total inhalable dust \*\*respirable dust
- 67-56-1 methanol**  
OES Short-term value: 333 mg/m<sup>3</sup>, 250 ppm  
Long-term value: 266 mg/m<sup>3</sup>, 200 ppm  
Sk, ILV

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**79-20-9 methyl acetate**OES Short-term value: 770 mg/m<sup>3</sup>, 250 ppmLong-term value: 616 mg/m<sup>3</sup>, 200 ppm**67-64-1 acetone**OES Short-term value: 3620 mg/m<sup>3</sup>, 1500 ppmLong-term value: 1210 mg/m<sup>3</sup>, 500 ppm

New, IOELV

- **Additional information:** The lists valid during the making were used as basis.
- **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. 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.

**9 Physical and chemical properties:**

· **General Information**

**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/cm<sup>3</sup> (EN ISO 2811-1)

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- **Solubility in / Miscibility with Water:** Insoluble.
- **Viscosity: dynamic at 20°C:** 33000 mPas (ISO 2555)

**10 Stability and reactivity**

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of composition:** No dangerous decomposition products known.

**11 Toxicological information**

- **Acute toxicity:**
  - **LD/LC50 values that are relevant for classification:**
- 
- 67-56-1 methanol**
- Oral LD50 5628 mg/kg (rat)  
Dermal LD50 20000 mg/kg (rabbit)  
Inhalative LC50/4h 85 mg/l (rat)
- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** Irritating effect.
  - **Sensitization:** No sensitizing 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

**12 Ecological information:**

- **Ecotoxicological effects:**
  - **Acquatic 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*)
- **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.

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**13 Disposal considerations**· **Product:**· **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.**14 Transport information**· **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**· **ADR/RID-GGVS/E Class:** 3 Flammable liquids.· **Kemler Number:** 33· **UN-Number:** 1133· **Packaging group:** III· **Label** 3· **Designation of goods:** 1133 ADHESIVES, special provision 640H· **Limited quantities (LQ)** LQ7· **Tunnel restriction code** D/E· **Maritime transport IMDG/GGVSea:**· **IMDG/GGVSea Class:** 3· **UN Number:** 1133· **Label** 3· **Packaging group:** III· **EMS Number:** F-E,S-D· **Marine pollutant:** no· **Correct technical name:** ADHESIVES

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## · Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 3
- UN/ID Number: 1133
- Label: 3
- Packaging group: III
- Correct technical name: ADHESIVES

**15 Regulatory information**

## · Designation according to EC guidelines:

The product has been marked in accordance with EU Directives / respective national laws.

## · Code letter and hazard designation of product:



Xn Harmful  
F Highly flammable

## · Hazard-determining components of labelling:

methanol

## · Risk phrases:

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

## · Safety phrases:

- 2 Keep out of the reach of children.
- 16 Keep away from sources of ignition - No smoking.
- 24 Avoid contact with skin.
- 33 Take precautionary measures against static discharges.
- 37 Wear suitable gloves.
- 46 If swallowed, seek medical advice immediately and show this container or label.
- 51 Use only in well-ventilated areas.

## · National regulations

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

## · Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

**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.

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**· Relevant R-phrases**

- 11            *Highly flammable.*  
23/24/25    *Toxic by inhalation, in contact with skin and if swallowed.*  
36            *Irritating to eyes.*  
39/23/24/25 *Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.*  
66            *Repeated exposure may cause skin dryness or cracking.*  
67            *Vapours may cause drowsiness and dizziness.*

**· Department issuing data specification sheet: Industrial Safety Department.****· Contact: Dr. Thomas Wieland**

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