

Material Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 18.06.2009

Revision: 18.06.2009

1 Identification of substance

- **Product details**
- **Trade name:** WAKOL PU 4519 2K-PU Accelerator
- **Application of the substance / the preparation** Catalyst
- **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:** Not applicable.
- **Information pertaining to particular dangers for man and environment** Not applicable.
- **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:** Mixture of substances listed below with nonhazardous additions.
 - **Dangerous components:**
- | | | |
|-------------------|------------------------|---------|
| CAS: 280-57-9 | 1,4-diazabicyclooctane | 1.0-<5% |
| EINECS: 205-999-9 | Xn, Xi; R 22-36/38 | |
- **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** Immediately wash with water and soap and rinse thoroughly.
- **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.

5 Fire fighting measures

- **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
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Use respiratory protective device against the effects of fumes/dust/aerosol.

(Contd. on page 2)

Material Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 18.06.2009

Revision: 18.06.2009

Trade name: WAKOL PU 4519 2K-PU Accelerator

(Contd. of page 1)

- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
In case of seepage into the ground inform responsible authorities.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
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:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store only in the original receptacle.
Store in a cool location.
- **Information about storage in one common storage facility:**
Do not store together with oxidizing and acidic materials.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Protect from frost.

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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:** Protective gloves
- **Material of gloves** Nitrile rubber, NBR
- **Eye protection:** Safety glasses

9 Physical and chemical properties:

- **General Information**
- **Form:** Liquid
- **Colour:** Colourless
- **Smell:** Ammonia-like
- **Change in condition**
- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 150°C

(Contd. on page 3)

Material Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 18.06.2009

Revision: 18.06.2009

Trade name: WAKOL PU 4519 2K-PU Accelerator

(Contd. of page 2)

- **Flash point:** 100°C
- **Self-inflammability:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Steam pressure at 20°C:** 0.2 hPa
- **Density at 20°C** 1 g/cm³ (EN ISO 2811-1)
- **Solubility in / Miscibility with Water:** Fully miscible.
- **pH-value at 20°C:** 10.0 (ISO 976)
- **Viscosity:**
dynamic at 20°C: 770 mPas (ISO 2555)

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** Reacts with strong acids and oxidizing agents.
- **Dangerous products of composition:** Danger of forming toxic pyrolysis products.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12 Ecological information:

- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation** Must be specially treated adhering to official regulations.
- **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)

(Contd. on page 4)

Material Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 18.06.2009

Revision: 18.06.2009

Trade name: WAKOL PU 4519 2K-PU Accelerator

(Contd. of page 3)

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:** -
- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** -
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

15 Regulatory information

- **Designation according to EC guidelines:**
The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.
Observe the general safety regulations when handling chemicals.
- **National regulations**
- **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.

- **Relevant R-phrases**
22 Harmful if swallowed.
36/38 Irritating to eyes and skin.
- **Department issuing data specification sheet:** Industrial Safety Department.
- **Contact:** Dr. Thomas Wieland