

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 02/17/2009

Version No. 2

Reviewed on 02/17/2009

## 1 Identification of substance

### · Product details

· Trade name: UZIN MK 95 (USA)

· Application of the substance / the preparation 1-Component polyurethane parquet adhesive

### · Manufacturer/Supplier:

Manufacturer:

UZIN UTZ AG

Dieselstrasse 3

D-89079 Ulm

Germany

Tel.: +49 (0)731 4097-0

Fax: +49 (0)731 4097-110

Supplier:

UFLOOR Systems Inc.

14705 E. 33rd Place Unit D

Aurora, CO 80011

Phone: +720-374-4810

Toll-Free: +1 866-505-4810

Fax: +1 720-374-2113

### · Information department:

Product safety department

email: [msds.info@uzin-utz.com](mailto:msds.info@uzin-utz.com)

### · Emergency information:

For Chemical Emergency Spill Leak Fire Exposure or Accident

Call CHEMTREC Day or Night: DOMESTIC NORTH AMERICA 800-424-9300

International, call +49 621 60 43 333

## 2 Hazards identification

### · Information pertaining to particular dangers for man and environment:

The product has to be labelled due to the calculation procedure of international guidelines.

Harmful by inhalation.

Irritating to eyes, respiratory system and skin.

May cause sensitisation by inhalation and skin contact.

Contains isocyanates. See information supplied by the manufacturer.

### · NFPA ratings (scale 0 - 4)



Health = 2

Fire = 1

Reactivity = 1

### · HMIS-ratings (scale 0 - 4)



Health = 2

Fire = 1

Reactivity = 1

### · Additional information:

NFPA Rating Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe.

NFPA is the National Fire Protection Association.

HMIS Rating Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe.

HMIS®, the Hazardous Materials Identification System, is a registered mark of the National Paint and Coatings Association (NPCA).

USA

(Contd. on page 2)

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Trade name: UZIN MK 95 (USA)

(Contd. of page 1)

## 3 Composition/Data on components

- **Chemical characterization**

- **Description:**

1-Component polyurethane parquet adhesive

Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

9016-87-9	diphenylmethanediisocyanate, isomeres and homologues
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10 - <25%
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## 4 First aid measures

- **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

Supply fresh air; consult doctor in case of complaints.

In case of unconsciousness place patient stably in side position for transportation.

- **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; immediately call for medical help.

## 5 Fire fighting measures

- **Suitable extinguishing agents:**

CO<sub>2</sub> extinguishing 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.

Mouth respiratory protective device.

- **Additional information:** Flash point: > 200°C (> 392°F).

## 6 Accidental release measures

- **Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.

- **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.

Ensure adequate ventilation.

## 7 Handling and storage

- **Handling:**

- **Information for safe handling:**

Wear suitable protective clothing, gloves and eye/face protection.

Immediately remove all soiled and contaminated clothing.

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes and skin.

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used.

Wash hands before breaks and at the end of work.

(Contd. on page 3)

USA

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(Contd. of page 2)

- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep receptacle tightly sealed.  
Protect from humidity and water.

## 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit 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.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Immediately remove all soiled and contaminated clothing.  
Wear suitable protective clothing, gloves and eye/face protection.  
Keep away from foodstuffs, beverages and feed.  
Avoid contact with the eyes and skin.  
Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used.  
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**



Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.

- **Material of gloves**  
Butyl rubber, BR  
Nitrile rubber, NBR  
Recommended thickness of the material:  $\geq 0.5$  mm
- **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:**



Tightly sealed goggles

## 9 Physical and chemical properties

### · General Information

<b>Form:</b>	Pasty
<b>Color:</b>	Beige
<b>Odor:</b>	Light

### · Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** Undetermined.

(Contd. on page 4)

USA

# Material Safety Data Sheet

## acc. to ISO/DIS 11014

Printing date 02/17/2009

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Reviewed on 02/17/2009

Trade name: UZIN MK 95 (USA)

(Contd. of page 3)

· <b>Flash point:</b>	> 200°C (> 392°F)
· <b>Ignition temperature:</b>	400°C (752°F)
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Vapor pressure at 25°C (77°F):</b>	0.0001 hPa
· <b>Density at 20°C (68°F):</b>	1.6 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Viscosity:</b>	
· <b>Dynamic at 20°C (68°F):</b>	75000 mPas

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
From approx. 260°C, polymerization and separation of CO<sub>2</sub>
- **Materials to be avoided:**  
During storage, avoid moisture contamination.  
Uncontrolled exothermic reactions occur with amines and alcohols.
- **Dangerous reactions**  
May produce violent reactions with bases and numerous organic substances including alcohols and amines.  
The product reacts slowly with water resulting in evolution of carbon dioxide. In closed containers, pressure build up could result in distortion, blowing and in extreme cases bursting of the container.
- **Dangerous products of decomposition:**  
In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomer isocyanates, amines and alcohols may be produced.

### 11 Toxicological information

- **Acute toxicity:**
- **Specific symptoms in biological assay:**
- **Primary route(s) of entry:** Skin contact, eye contact.
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:**  
Sensitization possible through inhalation.  
Sensitization possible through skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Harmful  
Irritant  
Based on the properties of the isocyanate components and considering toxicological data on similar preparations, this preparation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability.

USA

(Contd. on page 5)

# Material Safety Data Sheet

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Version No. 2

Reviewed on 02/17/2009

Trade name: UZIN MK 95 (USA)

(Contd. of page 4)

## 12 Ecological information

- **General notes:** Do not allow product to reach ground water, water course or sewage system.

## 13 Disposal considerations

- **Product:**
- **Recommendation:**  
Do not allow product to reach sewage system.  
Disposal should be in accordance with local, state or national legislation.  
Let product residues harden in open container, then dispose of as construction waste.
- **Uncleaned packagings:**
- **Recommendation:**  
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

## 14 Transport information

- **DOT regulations:**
- **Hazard class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Transport/Additional information:**  
Not regulated as hazardous material according to the above specifications.

## 15 Regulations

- **SARA (Superfund Amendments and Reauthorization Act)**
- **Section 355 (extremely hazardous substances):**  
None of the ingredient is listed.
- **Section 313 (Specific toxic chemical listings):**  
9016-87-9 | diphenylmethanediisocyanate, isomeres and homologues
- **TSCA (Toxic Substances Control Act):**  
All ingredients are listed.
- **Proposition 65 (California)**
- **Chemicals known to cause cancer:**  
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for females:**  
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for males:**  
None of the ingredients is listed.
- **Chemicals known to cause developmental toxicity:**  
None of the ingredients is listed.

(Contd. on page 6)

USA

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Reviewed on 02/17/2009

Trade name: UZIN MK 95 (USA)

(Contd. of page 5)

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

D; CBD

· **IARC (International Agency for Research on Cancer)**

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

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

diphenylmethanediisocyanate, isomeres and homologues

· **Risk phrases:**

Harmful by inhalation.

Irritating to eyes, respiratory system and skin.

May cause sensitisation by inhalation and skin contact.

· **Safety phrases:**

Keep out of the reach of children.

Avoid contact with skin and eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

Wear suitable protective clothing, gloves and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### 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.

· **Department issuing MSDS:** Product safety department

· **Contact:**

USA: Mike Hodges, phone +1 720-374-4810

Germany: Dr. Zieger, phone +49 731.409.7207

· **\* Data compared to the previous version altered.**

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