

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/24/2026

Version No. 1

Reviewed on 06/24/2026

1 Identification

- **Trade name:** UZIN MK 500
- **Sector of Use** For professional use only.
- **Uses advised against:** No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Manufacturer:
 UZIN UTZ SE
 Dieselstrasse 3
 D-89079 Ulm
 Germany
 Phone: +49 731 4097-0
- Supplier:
 Uzin Utz North America, Inc.
 14509 E. 33rd. Place, Unit G
 Aurora, CO 80011
 Phone: +720-374-4810
 Toll-Free: +1 866-505-4810
- **Information department:**
 Product safety department
 Phone: +720-373-4810
 email: safety.us@uzin-utz.com
- **Emergency telephone number:**
 For Chemical Emergency Spill Leak Fire Exposure or Accident
 Call CHEMTREC Day or Night: DOMESTIC NORTH AMERICA 800-424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Reproductive toxicity 2 H361 Suspected of damaging fertility or the unborn child.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS08

- **Signal word** Warning
- **Hazard-determining components of labeling:**
 phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene
- **Hazard statements**
 Suspected of damaging fertility or the unborn child.
- **Precautionary statements**
 Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Wear protective gloves/protective clothing/eye protection/face protection.

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*If on skin: Wash with plenty of water.**If skin irritation occurs: Get medical attention.**If eye irritation persists: Get medical attention.**Store locked up.**Dispose of contents/container in accordance with local/regional/national/international regulations.*

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

· **NFPA ratings (scale 0 - 4)**

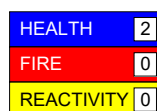


Health = 2

Flammability = 0

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 2

Flammability = 0

Reactivity = 0

· **Other hazards**

*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).*** Chronic (long-term) health effects may result from repeated overexposure.*

· **Classification according to (d)(1)(ii) of § 1910.1200**

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

· **Hazards not otherwise classified**

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Hazardous ingredients:**

CAS: 68610-51-5	phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene	0.1-1%
	Reproductive toxicity 2, H361	

· **Additional information:**

*The exact percentages of the ingredients have been withheld by the manufacturer as trade secrets.**For the wording of the listed hazard phrases refer to section 16.*

4 First-aid measures

· **Description of 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.*

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- **After inhalation:**

Supply fresh air; consult doctor in case of complaints.

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

Seek medical treatment 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.

Remove contaminated clothing and shoes immediately and wash or clean thoroughly before reuse.

- **After eye contact:**

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:**

Do not induce vomiting; immediately call for medical help.

A person vomiting while lying on their back should be turned onto their side.

Clean mouth carefully and rinse with water.

- **Most important symptoms and effects, both acute and delayed**

This product is irritating and sensitising by inhalation: repeated inhalation of concentrations of vapours or aerosols above the limit value may cause sensitisation of the respiratory tract.

The following symptoms may occur, among others: Irritation of eyes, nose, throat and lungs, probably together with dry throat, chest tightness and difficulty breathing.

- **Indication of any immediate medical attention and special treatment needed**

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

5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

CO₂ 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

- **Special hazards arising from the substance or mixture**

Special hazards during firefighting:

Under the influence of heat, pressure may rise in tightly closed containers.

Inhalation of decomposition products may cause damage to health.

- **Advice for firefighters**

- **Protective equipment:** Mouth respiratory protective device.

- **Additional information:**

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

- **Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

Keep contaminated washing water and dispose of appropriately.

In case of seepage into the ground inform responsible authorities.

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- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

- **Protective Action Criteria for Chemicals**

- **PAC-1:**

None of the ingredients is listed.

- **PAC-2:**

None of the ingredients is listed.

- **PAC-3:**

None of the ingredients is listed.

- **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.

7 Handling and storage

- **Precautions for safe handling**

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

Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes and skin.

Keep away from foodstuffs, beverages and feed.

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.

- **Information about protection against explosions and fires:** No special measures required.

- **Conditions for safe storage, including any incompatibilities**

- **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.

Protect from frost.

Once opened unfinished quantities must be stored in airtight packaging conditions.

- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**

- **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.

- **Exposure controls**

- **Appropriate engineering controls** No further data; see section 7.

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes and skin.

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

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Keep away from foodstuffs, beverages and feed.

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.

· **Respiratory protection:**

Not necessary. Ensure that room is well-ventilated during processing.

In case of hypersensitivity of the respiratory tract (asthma, chronic bronchitis), handling of the product is not recommended.

Respiratory protection required in insufficiently ventilated working areas. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended (A2-P2).

· **Protection of hands:**



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

When handling freshly produced polyurethane products, protective gloves must be worn to avoid skin contact with traces of residues, as these can be harmful to health.

Gloves must be disposed of immediately in case of heavy soiling, in case of splashes after the specified maximum wearing time, but at the latest at the end of the shift.

Only use water and mild soap or a pH-neutral skin cleanser to cleanse the skin. Do not use solvents.

· **Material of gloves**

Butyl rubber, BR

Nitrile rubber, NBR

Note: Suitable materials that provide sufficient protection for industrial cleaning with aprotic polar solvents (according to IUPAC definition):

Butyl rubber (0.7 mm), nitrile rubber (0.4 mm), chloroprene (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.

At least 480 minutes.

· **Eye protection:**



Tightly sealed goggles or face protection

· **Body protection:**

Use chemical-resistant protective clothing.

In case of hypersensitivity of the skin, handling of the product is not recommended.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Liquid

· **Color:**

Beige

· **Odor:**

Mild

· **Odor threshold:**

Not determined

· **Melting point/Melting range:**

Undetermined

· **Boiling point/Boiling range:**

100 °C (212 °F)

· **Flammability:**

Not applicable

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- **Explosion limits:**
- **Lower:** Not determined
- **Upper:** Not determined
- **Flash point:** Not determined.
- **Decomposition temperature:** Not determined
- **pH-value at 20 °C (68 °F):** 9.6-10
- **Kinematic**
- **Solubility in / Miscibility with**
- **Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined
- **Vapor pressure:** Not determined
- **Vapor pressure:**
- **Density at 20 °C (68 °F):** 1.29-1.34 g/cm³ (10.77-11.18 lbs/gal)
- **Relative density** Not determined
- **Vapor density** Not determined
- **Particle characteristics** Not applicable
- **Other information**
- **Appearance:**
- **Form:** Pasty
- **Important information on protection of health and environment, and on safety.**
- **Ignition temperature:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Change in condition**
- **Evaporation rate** Not determined

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:**
From approx. 500 °F (260°C), polymerization and separation of CO₂
- **Possibility of hazardous 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.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:**
Uncontrolled exothermic reactions occur with amines and alcohols.
During storage, avoid moisture contamination.
- **Hazardous decomposition products:**
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

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

Oral	LD50	>5,000 mg/kg (rat)
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Dermal LD50 >2,000 mg/kg (rat)

· **Primary route(s) of entry:** Skin contact, eye contact, ingestion.

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritant effect.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

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.

Product is suspected to cause damage to fertility.

· **Interactive effects** No interactive effects between components are known.

· **Carcinogenic categories**

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

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

· **Alternative sources for toxicological information**

No non-standard sources for toxicological information where used.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Reproductive toxicity 2

· **Endocrine disrupting properties**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

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

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

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

· **Results of PBT and vPvB assessment**

· **PBT:**

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT).

· **vPvB:**

This substance/mixture does not contain any components that can be considered very persistent and very bioaccumulative (vPvB) at levels of 0.1%.

· **Other adverse effects**

· **Additional ecological information:**

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

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13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Do not allow product to reach sewage system.

Let product residues harden in open container, then dispose of as construction waste.

Disposal should be in accordance with local, state or national legislation.

- **Uncleaned packagings:**

- **Recommendation:**

Disposal must be made according to official regulations.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

14 Transport information

- **DOT, ADR, IMDG, IATA** Void

- **UN proper shipping name**

- **DOT, ADR, IMDG, IATA** Void

- **DOT, ADN, IMDG, IATA**

- **Class** Void

- **DOT, IMDG, IATA** Void

- **Environmental hazards:** Not applicable

- **Special precautions for user** Not applicable

- **UN "Model Regulation":** Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **SARA (Superfund Amendments and Reauthorization Act)**

- **EPCRA Section 302 (Extremely Hazardous Substances):**

None of the ingredient is listed.

- **SARA Title III Section 313 (Toxic Release Inventory - TRI):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

All components have the value ACTIVE.

- **Hazardous Air Pollutants**

None of the ingredients is 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.

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· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

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

None of the ingredients is listed.

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**

H361 Suspected of damaging fertility or the unborn child.

· **Contact:**

Product safety department

Phone: 720-373-4810

safety.us@uzin-utz.com

· **Date of previous version** 06/23/2026

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Reproductive toxicity 2: Reproductive toxicity – Category 2