

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.12.2018

Version No. 7

Revision: 28.12.2018

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

- **1.1 Product identifier**
- **Trade name:** UZIN Epoxy Accelerator
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**  
 SU19 Building and construction work  
 SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
 For professional use only.
- **Product category**  
 PC9a Coatings and paints, thinners, paint removers  
 PC35 Washing and cleaning products (including solvent based products)
- **Application of the substance / the mixture**  
 Accelerator for 2-Component Epoxy Resins
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 Uzin Utz UK Ltd.  
 Unit 2, Mitchell Court  
 Central Park, Rugby  
 Warwickshire, CV23 0UY,  
 Telephone +44 (0) 1788 530 080  
 Fax +44 (0) 1788 536508  
 Email info@uk.uzin-utz.com
- **Further information obtainable from:**  
 Product safety department  
 email: msds.info@uzin-utz.com
- **1.4 Emergency telephone number:**  
 Medical emergencies (GIZ-Nord Poisons Center): +49 551 19240  
 Transportation emergencies: +49 621 60 43 333

**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.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
 The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** GHS02, GHS05
- **Signal word** Danger
- **Hazard-determining components of labelling:**  
 Nitric acid, ammonium calcium salt
- **Hazard statements**  
 H225 Highly flammable liquid and vapour.  
 H318 Causes serious eye damage.

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**Precautionary statements**

- P210 *Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*
- P233 *Keep container tightly closed.*
- P280 *Wear protective gloves / eye protection.*
- P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
- P310 *Immediately call a POISON CENTER/doctor.*

**Additional information:**

EUH208 *Contains 2,4,6-tris(dimethylaminomethyl)phenol. May produce an allergic reaction.*

**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:** Solvent mixture with additives

**Dangerous components:**

CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43	Ethanol ⚠ Flam. Liq. 2, H225	25-50%
CAS: 15245-12-2 EINECS: 239-289-5 Reg.nr.: 01-2119493947-16	Nitric acid, ammonium calcium salt ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	25-50%
CAS: 90-72-2 EINECS: 202-013-9 Reg.nr.: 01-2119560597-27	2,4,6-tris(dimethylaminomethyl)phenol ⚠ Skin Corr. 1B, H314; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; ⚠ Acute Tox. 4, H312; ⚠ Skin Sens. 1, H317; ⚠ Aquatic Chronic 3, H412	<1%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

**4.1 Description of first aid measures****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; 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:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

· **For safety reasons unsuitable extinguishing agents:** Water

· **5.2 Special hazards arising from the substance or mixture** Can form explosive gas-air mixtures.

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- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Keep away from ignition sources.  
Ensure adequate ventilation
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.
- **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**  
Wear suitable protective clothing, gloves and eye/face protection.  
Avoid contact with the eyes and skin.  
Keep away from foodstuffs, beverages and feed.  
Do not inhale gases / fumes / aerosols.  
Wash hands before breaks and at the end of work.
- **Information about fire - and explosion protection:**  
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 receptacles:** 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.  
Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

· <b>Ingredients with limit values that require monitoring at the workplace:</b>
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<b>CAS: 64-17-5 Ethanol</b>
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WEL Long-term value: 1920 mg/m <sup>3</sup> , 1000 ppm
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- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Avoid contact with the eyes and skin.  
Wear suitable protective clothing, gloves and eye/face protection.  
Keep away from foodstuffs, beverages and feed.  
Do not inhale gases / fumes / aerosols.  
Wash hands before breaks and at the end of work.

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- **Respiratory protection:** 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 (EN 374)

- **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:**



Use safety eyewear designed to protect against splash of liquids (EN 166).

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

· <b>Form:</b>	Fluid
· <b>Colour:</b>	Colourless
· <b>Odour:</b>	Alcohol-like
· <b>Odour threshold:</b>	Not determined.

- **pH-value:** Not determined.

- **Change in condition**

· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Initial boiling point and boiling range:</b>	78 °C

- **Flash point:** 13 °C

- **Flammability (solid, gas):** Not applicable.

- **Ignition temperature:** 425 °C

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not selfigniting.

- **Explosive properties:** Product does not present an explosion hazard.

- **Explosion limits:**

· <b>Lower:</b>	3.5 Vol %
· <b>Upper:</b>	15.0 Vol %

- **Vapour pressure at 20 °C:** 59 hPa

- **Density at 20 °C:** 0.9 g/cm<sup>3</sup>
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

- **Partition coefficient: n-octanol/water:** Not determined.

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- **Viscosity:**
- **Dynamic:** *Not determined.*
- **Kinematic:** *Not determined.*
- **9.2 Other information** *No further relevant information available.*

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** *No further relevant information available.*
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **10.3 Possibility of hazardous reactions**  
*Reacts with reducing agents.*  
*Reacts with flammable substances.*
- **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** *Based on available data, the classification criteria are not met.*

· **LD/LC50 values relevant for classification:**

**CAS: 15245-12-2 Nitric acid, ammonium calcium salt**

Oral	LD50	>2,000 mg/kg (rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** *Slightly irritant effect may occur.*
- **Serious eye damage/irritation**  
*Causes serious eye damage.*
- **Respiratory or skin sensitisation** *Based on available data, the classification criteria are not met.*
- **Additional toxicological information:**  
*Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.*
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** *Based on available data, the classification criteria are not met.*
- **Carcinogenicity** *Based on available data, the classification criteria are not met.*
- **Reproductive toxicity** *Based on available data, the classification criteria are not met.*
- **STOT-single exposure** *Based on available data, the classification criteria are not met.*
- **STOT-repeated exposure** *Based on available data, the classification criteria are not met.*
- **Aspiration hazard** *Based on available data, the classification criteria are not met.*

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **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:** *Do not allow product to reach ground water, water course or sewage system.*
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*

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- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Do not allow product to reach sewage system.  
Disposal should be in accordance with local, state or national legislation.
- **Uncleaned packaging:**
- **Recommendation:**  
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

### SECTION 14: Transport information

- |   |  |
|---|--|
| · <b>14.1 UN-Number</b><br>· <b>ADR, IMDG, IATA</b>   | UN1993   |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR</b><br><br>· <b>IMDG</b><br><br>· <b>IATA</b>                                   | 1993 FLAMMABLE LIQUID, N.O.S., special provision 640D (ETHANOL (ETHYL ALCOHOL), CALCIUM NITRATE)<br><br>FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), CALCIUM NITRATE)<br><br>FLAMMABLE LIQUID, N.O.S. (ETHANOL, CALCIUM NITRATE) |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, IMDG, IATA</b>  |  |
|    |  |
| · <b>Class</b><br>· <b>Label</b>  | 3 Flammable liquids.<br>3  |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>   | II   |
| · <b>14.5 Environmental hazards:</b><br>· <b>Marine pollutant:</b>  | No   |
| · <b>14.6 Special precautions for user</b><br>· <b>Danger code (Kemler):</b><br>· <b>EMS Number:</b><br>· <b>Stowage Category</b> | Warning: Flammable liquids.<br>33<br>F-E, <u>S-E</u><br>B  |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>  | Not applicable.  |
| · <b>Transport/Additional information:</b>  |  |
| · <b>ADR</b><br>· <b>Limited quantities (LQ)</b><br>· <b>Transport category</b><br>· <b>Tunnel restriction code</b>               | <br>1L<br>2<br>D/E   |

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· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S., SPECIAL PROVISION 640D (ETHANOL (ETHYL ALCOHOL), CALCIUM NITRATE), 3, II
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### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **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.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.

- **Recommended restriction of use** For professional use only.

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

*The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.*

- **Contact:**

Dr. M. Zieger, phone +49 (0)731 4097 207  
E-Mail: [msds.info@uzin-utz.com](mailto:msds.info@uzin-utz.com)

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
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)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 2: Flammable liquids – Category 2  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Skin Sens. 1: Skin sensitisation – Category 1  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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