



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## E4E 100-S Part B

Version number: 1.0

Date of compilation: 2025-06-19

### SECTION 1: IDENTIFICATION

#### 1.1 Product identifier

**Name** **E4E 100-S Part B**

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses **general use**

#### 1.3 Details of the supplier of the safety data sheet

*Epoxy Depot, 2700 Cumberland Bldg 4, Lebanon, PA, 17042.  
United States. Telephone: 1-855-723-7699. e-mail: info@epoxydepotusa.com.  
Website: epoxydepotusa.com.*

#### 1.4 Emergency telephone number

Emergency information service **CHEMTREC: 1-800-535-5053**  
This number is only available during the following office hours: Mon-Fri 12:00 AM - 11:59 PM

### SECTION 2: HAZARD(S) IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)  
This mixture does not meet the criteria for classification.

#### 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)  
not required

#### 2.3 Other hazards

Results of PBT and vPvB assessment  
Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0.1\%$ .  
Endocrine disrupting properties  
Does not contain an endocrine disruptor (ED) in a concentration of  $\geq 0.1\%$ .

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Not relevant (mixture)

#### 3.2 Mixtures

Description of the mixture

| Name of substance                                     | Identifier           | Wt%       | Classification acc. to GHS  | Pictograms |
|---|----------------------|-----------|---|------------|
| Benzyl alcohol  | CAS No<br>100-51-6   | 25 - < 50 | Acute Tox. 4 / H302<br>Acute Tox. 4 / H332  |            |
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine          | CAS No<br>2855-13-2  | 10 - < 25 | Acute Tox. 4 / H302<br>Acute Tox. 4 / H332<br>Skin Corr. 1B / H314<br>Eye Dam. 1 / H318<br>Skin Sens. 1A / H317 |            |
| Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, re- | CAS No<br>68609-08-5 | 5 - < 10  | Acute Tox. 3 / H301<br>Skin Sens. 1 / H317  |            |



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| Name of substance  | Identifier           | Wt%      | Classification acc. to GHS  | Pictograms |
|--|----------------------|----------|---|------------|
| action products with bisphenol A diglycidyl ether homopolymer                  |                      |          |   |            |
| 1,3-Benzenedimethanamine   | CAS No<br>1477-55-0  | 5 - < 10 | Acute Tox. 4 / H332   |            |
| Oligomerization and alkylation reaction products of 2-phenylpropene and phenol | CAS No<br>68512-30-1 | < 1      | Acute Tox. 4 / H332<br>Skin Irrit. 2 / H315<br>Skin Sens. 1B / H317 |            |

### Remarks

For full text of abbreviations: see SECTION 16

## SECTION 4: FIRST-AID MEASURES

### 4.1 Description of first-aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

#### Following skin contact

Wash with plenty of soap and water.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

### 4.3 Indication of any immediate medical attention and special treatment needed

none

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

Water jet

### 5.2 Special hazards arising from the substance or mixture

Information on this property is not available.

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.



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### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

#### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

#### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

#### 6.4 Reference to other sections

Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

#### 7.2 Conditions for safe storage, including any incompatibilities

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

#### 7.3 Specific end use(s)

See section 16 for a general overview.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)  
this information is not available

#### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.



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### Individual protection measures (personal protective equipment)

#### Eye/face protection

Wear eye/face protection.

#### Skin protection

##### - Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### - Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

#### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### Appearance

|                |                       |
|----------------|-----------------------|
| Physical state | liquid                |
| Color          | not determined        |
| Particle       | not relevant (liquid) |
| Odor           | characteristic        |

#### Other safety parameters

|   |   |
|---|---|
| pH (value)                              | not determined                                |
| Melting point/freezing point            | not determined                                |
| Initial boiling point and boiling range | not determined                                |
| Flash point                             | not determined                                |
| Evaporation rate                        | not determined                                |
| Flammability (solid, gas)               | not relevant, (fluid)                         |
| Vapor pressure                          | not determined                                |
| Density                                 | not determined                                |
| Vapor density                           | this information is not available             |
| Relative density                        | information on this property is not available |

#### Solubility(ies)



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|                    |                            |
|--------------------|----------------------------|
| - Water solubility | miscible in any proportion |
|--------------------|----------------------------|

### Partition coefficient

|                              |                                    |
|------------------------------|------------------------------------|
| - n-octanol/water (log KOW)  | this information is not available  |
| Auto-ignition temperature    | not determined                     |
| Viscosity                    | not determined                     |
| Explosive properties         | none                               |
| Oxidizing properties         | none                               |
| <b>9.2 Other information</b> | there is no additional information |

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

There is no additional information.

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

This mixture does not meet the criteria for classification.

#### Acute toxicity

Shall not be classified as acutely toxic.

| Acute toxicity estimate (ATE) of components |          |                       |                |
|---|----------|-----------------------|----------------|
| Name of substance                           | CAS No   | Exposure route        | ATE            |
| Benzyl alcohol                              | 100-51-6 | oral                  | 500 mg/kg      |
| Benzyl alcohol                              | 100-51-6 | inhalation: vapor     | 11 mg/l/4h     |
| Benzyl alcohol                              | 100-51-6 | inhalation: dust/mist | >4.178 mg/l/4h |



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| Acute toxicity estimate (ATE) of components   |            |                       |               |
|---|------------|-----------------------|---------------|
| Name of substance   | CAS No     | Exposure route        | ATE           |
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine  | 2855-13-2  | oral                  | 1,030 mg/kg   |
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine  | 2855-13-2  | dermal                | >2,000 mg/kg  |
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine  | 2855-13-2  | inhalation: vapor     | 11 mg/l/4h    |
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine  | 2855-13-2  | inhalation: dust/mist | ≥1.07 mg/l/4h |
| Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, reaction products with bisphenol A diglycidyl ether homopolymer | 68609-08-5 | oral                  | ≥300 mg/kg    |
| Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, reaction products with bisphenol A diglycidyl ether homopolymer | 68609-08-5 | dermal                | >2,000 mg/kg  |
| 1,3-Benzenedimethanamine  | 1477-55-0  | dermal                | >3,100 mg/kg  |
| 1,3-Benzenedimethanamine  | 1477-55-0  | inhalation: vapor     | 11 mg/l/4h    |
| 1,3-Benzenedimethanamine  | 1477-55-0  | inhalation: dust/mist | 1.34 mg/l/4h  |
| Oligomerization and alkylation reaction products of 2-phenylpropene and phenol                                    | 68512-30-1 | oral                  | >2,000 mg/kg  |
| Oligomerization and alkylation reaction products of 2-phenylpropene and phenol                                    | 68512-30-1 | dermal                | >2,000 mg/kg  |
| Oligomerization and alkylation reaction products of 2-phenylpropene and phenol                                    | 68512-30-1 | inhalation: vapor     | 11 mg/l/4h    |
| Oligomerization and alkylation reaction products of 2-phenylpropene and phenol                                    | 68512-30-1 | inhalation: dust/mist | >4.92 mg/l/4h |

### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

### Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

### Carcinogenicity

Shall not be classified as carcinogenic.

### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

No data available.



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### 12.2 Persistence and degradability

#### Biodegradation

The relevant substances of the mixture are readily biodegradable.

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0.1\%$ .

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of  $\geq 0.1\%$ .

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: TRANSPORT INFORMATION

|      |  |   |
|------|--|---|
| 14.1 | UN number  | not assigned  |
| 14.2 | UN proper shipping name  | not assigned  |
| 14.3 | Transport hazard class(es)   | none  |
| 14.4 | Packing group  | not assigned  |
| 14.5 | Environmental hazards  | non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 | Special precautions for user                                       | There is no additional information.                                   |
| 14.7 | Transport in bulk according to Annex II of MARPOL and the IBC Code | The cargo is not intended to be carried in bulk.                      |

### Information for each of the UN Model Regulations

#### Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

not assigned

#### International Maritime Dangerous Goods Code (IMDG) - Additional information

not assigned

#### International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information



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not assigned

### SECTION 15: REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations specific for the product in question

##### Industry or sector specific available guidance(s)

###### NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

###### NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

#### 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

#### Abbreviations and acronyms

| Abbr.          | Descriptions of used abbreviations  |
|----------------|---|
| 49 CFR US DOT  | 49 CFR U.S. Department of Transportation  |
| Acute Tox.     | Acute toxicity  |
| ATE            | Acute Toxicity Estimate   |
| CAS            | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)        |
| DGR            | Dangerous Goods Regulations (see IATA/DGR)  |
| DOT            | Department of Transportation (USA)  |
| ED             | Endocrine disruptor   |
| Eye Dam.       | Seriously damaging to the eye   |
| Eye Irrit.     | Irritant to the eye   |
| GHS            | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations     |
| IATA           | International Air Transport Association   |
| IATA/DGR       | Dangerous Goods Regulations (DGR) for the air transport (IATA)  |
| ICAO           | International Civil Aviation Organization   |
| IMDG           | International Maritime Dangerous Goods Code   |
| MARPOL         | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")             |
| NPCA-HMIS® III | National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition |
| OSHA           | Occupational Safety and Health Administration (United States)   |
| PBT            | Persistent, Bioaccumulative and Toxic   |
| RTECS          | Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)           |
| Skin Corr.     | Corrosive to skin   |
| Skin Irrit.    | Irritant to skin  |
| Skin Sens.     | Skin sensitization  |
| vPvB           | Very Persistent and very Bioaccumulative  |



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### Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text                                     |
|------|--|
| H301 | Toxic if swallowed.                      |
| H302 | Harmful if swallowed.                    |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation.                  |
| H317 | May cause an allergic skin reaction.     |
| H318 | Causes serious eye damage.               |
| H332 | Harmful if inhaled.                      |

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.