



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## E4E VBP Part A

Version number: 2.1  
Replaces version of: 2025-06-23 (1)

Revision: 2025-07-22

### SECTION 1: IDENTIFICATION

1.1 Product identifier

**Name** E4E VBP Part A

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)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
A.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.6	carcinogenicity	2	Carc. 2	H351

For full text of abbreviations: see SECTION 16.

2.2 Label elements

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

- Signal word warning

- Pictograms

GHS07, GHS08



- Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## E4E VBP Part A

Version number: 2.1  
Replaces version of: 2025-06-23 (1)

Revision: 2025-07-22

### - Precautionary statements

- P201 Obtain special instructions before use.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P280 Wear protective gloves.
- P302+P352 If on skin: Wash with plenty of water.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 If exposed or concerned: Get medical advice/attention.
- P321 Specific treatment (see on this label).
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P405 Store locked up.
- P501 Dispose of contents/container to industrial combustion plant.

### - Hazardous ingredients for labelling

**Bisphenol A diglycidyl ether, Trimethylolpropane triacrylate, Phenol, polymer with formaldehyde, glycidyl ether**

### 2.3 Other hazards

#### Hazards not otherwise classified

Contains epoxy constituents. May produce an allergic reaction.  
Very toxic to aquatic life with long lasting effects (GHS category 1: aquatic toxicity - acute and/or chronic).

#### 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
Bisphenol A diglycidyl ether	CAS No 25068-38-6	50 – < 75	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317	
Phenol, polymer with formaldehyde, glycidyl ether	CAS No 28064-14-4	10 – < 25	Skin Irrit. 2 / H315 Skin Sens. 1 / H317	
Trimethylolpropane triacrylate	CAS No 15625-89-5	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 Carc. 2 / H351	



## E4E VBP Part A

Version number: 2.1  
Replaces version of: 2025-06-23 (1)

Revision: 2025-07-22

### 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. In case of respiratory tract irritation, consult a physician. 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, BC-powder, Carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

Water jet

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

#### Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

### 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.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

#### For non-emergency personnel

Remove persons to safety.



## E4E VBP Part A

Version number: 2.1  
Replaces version of: 2025-06-23 (1)

Revision: 2025-07-22

### 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. If substance has entered a water course or sewer, inform the responsible authority.

#### 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

Hazardous combustion products: see section 5. 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.

##### Individual protection measures (personal protective equipment)



## E4E VBP Part A

Version number: 2.1  
Replaces version of: 2025-06-23 (1)

Revision: 2025-07-22

### 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	>390 °C at 1,013 hPa
Flash point	not determined
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	≤0.1 Pa at 20 °C
Density	not determined
Vapor density	this information is not available
Relative density	information on this property is not available



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## E4E VBP Part A

Version number: 2.1  
Replaces version of: 2025-06-23 (1)

Revision: 2025-07-22

<b>Solubility(ies)</b>	<b>not determined</b>
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**Partition coefficient**

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	385 °C
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

**9.2 Other information**

Temperature class (USA, acc. to NEC 500)	T2 (maximum permissible surface temperature on the equipment: 300°C)
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**SECTION 10: STABILITY AND REACTIVITY**

- 10.1 Reactivity**  
Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".
- 10.2 Chemical stability**  
See below "Conditions to avoid".
- 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**  
Oxidizers
- 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)**
- Acute toxicity**  
Shall not be classified as acutely toxic.
- Skin corrosion/irritation**  
Causes skin irritation.



## E4E VBP Part A

Version number: 2.1  
Replaces version of: 2025-06-23 (1)

Revision: 2025-07-22

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Respiratory or skin sensitization**

May cause an allergic skin reaction.

**Germ cell mutagenicity**

Shall not be classified as germ cell mutagenic.

**Carcinogenicity**

Suspected of causing cancer.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans**

Name of substance	CAS No	Classification	Number
Trimethylolpropane triacrylate	15625-89-5	2B	

Legend

2B            Possibly carcinogenic to humans

**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**

Very toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Trimethylolpropane triacrylate	15625-89-5	LC50	0.87 mg/l	zebra fish (Danio rerio)	96 h
Trimethylolpropane triacrylate	15625-89-5	EC50	4.86 mg/l	green algae (Desmod-esmus subspicatus)	96 h

**12.2 Persistence and degradability**

Data are not available.

**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**



## E4E VBP Part A

Version number: 2.1  
Replaces version of: 2025-06-23 (1)

Revision: 2025-07-22

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

DOT	UN 3082
IMDG-Code	UN 3082
ICAO-TI	UN 3082
- 14.2 UN proper shipping name
 

DOT	Environmentally hazardous substance, liquid, n.o.s.
IMDG-Code	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
ICAO-TI	Environmentally hazardous substance, liquid, n.o.s.
- 14.3 Transport hazard class(es)
 

DOT	9
IMDG-Code	9
ICAO-TI	9
- 14.4 Packing group
 

DOT	III
IMDG-Code	III
ICAO-TI	III
- 14.5 Environmental hazards
 

**hazardous to the aquatic environment**
- 14.6 Special precautions for user



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## E4E VBP Part A

Version number: 2.1  
Replaces version of: 2025-06-23 (1)

Revision: 2025-07-22

14.7 There is no additional information.  
Transport in bulk according to IMO instruments  
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

Particulars in the shipper's declaration UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III  
Danger label(s) 9, fish and tree



Environmental hazards YES (hazardous to the aquatic environment)  
Special provisions (SP) 8, 146, 173, 335, 441, IB3, T4, TP1, TP29  
ERG No 171

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

Marine pollutant YES (hazardous to the aquatic environment) (Bisphenol A diglycidyl ether)  
Danger label(s) 9, fish and tree



Special provisions (SP) 274, 335, 375, 969  
Excepted quantities (EQ) E1  
Limited quantities (LQ) 5 L  
EmS F-A, S-F  
Stowage category A

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

Environmental hazards YES (hazardous to the aquatic environment)  
Danger label(s) 9, fish and tree



Special provisions (SP) A97, A158, A197, A215  
Excepted quantities (EQ) E1  
Limited quantities (LQ) 30 kg



## E4E VBP Part A

Version number: 2.1  
Replaces version of: 2025-06-23 (1)

Revision: 2025-07-22

### SECTION 15: REGULATORY INFORMATION

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

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

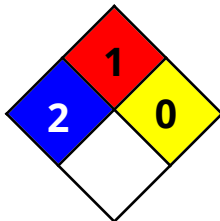
**NPCA-HMIS® III**

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	1	material that must be preheated before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

**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

**Indication of changes (revised safety data sheet)**

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.1	Name: E4E VPB Part A	Name: E4E VBP Part A	yes

**Abbreviations and acronyms**

Abbr.	Descriptions of used abbreviations
49 CFR US DOT	49 CFR U.S. Department of Transportation
Carc.	Carcinogenicity
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## E4E VBP Part A

Version number: 2.1  
Replaces version of: 2025-06-23 (1)

Revision: 2025-07-22

Abbr.	Descriptions of used abbreviations
DGR	Dangerous Goods Regulations (see IATA/DGR)
DOT	Department of Transportation (USA)
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
ED	Endocrine disruptor
EmS	Emergency Schedule
ERG No	Emergency Response Guidebook - Number
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
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
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

### 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).



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## E4E VBP Part A

Version number: 2.1  
Replaces version of: 2025-06-23 (1)

Revision: 2025-07-22

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

Code	Text
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.

### Disclaimer

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



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## E4E VBP Ultra Part B

Version number: 1.0

Date of compilation: 2025-07-10

### SECTION 1: IDENTIFICATION

#### 1.1 Product identifier

**Name** E4E VBP Ultra 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 article 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

### 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



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## E4E VBP Ultra Part B

Version number: 1.0

Date of compilation: 2025-07-10

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, Foam, ABC-powder

### Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

### Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

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.

## 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, Take up mechanically

### Advice on how to clean up a spill

Take up mechanically.

### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## E4E VBP Ultra Part B

Version number: 1.0

Date of compilation: 2025-07-10

Hazardous combustion products: see section 5. 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

##### Managing of associated risks

##### - Explosive atmospheres

Removal of dust deposits.

##### - 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.

##### Individual protection measures (personal protective equipment)

##### Eye/face protection

Wear eye/face protection.

##### Skin protection

##### - Hand protection

Wear protective 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.



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## E4E VBP Ultra Part B

Version number: 1.0

Date of compilation: 2025-07-10

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

##### Appearance

Physical state	solid
Color	not determined
Odor	characteristic

##### Other safety parameters

pH (value)	not applicable
Melting point/freezing point	not determined
Initial boiling point and boiling range	not determined
Flash point	not applicable
Evaporation rate	not determined
Flammability (solid, gas)	non-combustible
Explosion limits of dust clouds	not determined
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)	not determined

##### Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	not determined
Viscosity	not relevant (solid matter)
Explosive properties	none
Oxidizing properties	none
Other information	there is no additional information

9.2



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## E4E VBP Ultra Part B

Version number: 1.0

Date of compilation: 2025-07-10

### 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

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

##### Acute toxicity

Shall not be classified as acutely toxic.

##### 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.



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## E4E VBP Ultra Part B

Version number: 1.0

Date of compilation: 2025-07-10

### SECTION 12: E COLOGICAL INFORMATION

- 12.1 Toxicity
  - No data available.
- 12.2 Persistence and degradability
  - Data are not available.
- 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: D ISPOSAL 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: T RANSPORT 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.



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## E4E VBP Ultra Part B

Version number: 1.0

Date of compilation: 2025-07-10

### 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 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

### 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
DGR	Dangerous Goods Regulations (see IATA/DGR)
DOT	Department of Transportation (USA)
ED	Endocrine disruptor
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
vPvB	Very Persistent and very Bioaccumulative

#### Key literature references and sources for data



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## E4E VBP Ultra Part B

Version number: 1.0

Date of compilation: 2025-07-10

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).

### Disclaimer

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