

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31



Printing date 24.10.2024


Version number 1

Revision: 24.10.2024

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

- **1.1 Product identifier**
- **Trade name:** SHERAultra-e
- **Article number:** SD401002
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
No further relevant information available.
- **Application of the substance / the mixture:** Cleaning material/ Detergent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
SHERA Werkstoff-Technologie GmbH  
Espohlstraße 53  
D-49448 Lemförde  
GERMANY  
sdb@shera.de  
+ 49 (0) 54 43 - 9933 - 0
- **Further information obtainable from:** Department of product security.
- **1.4 Emergency telephone number:**  
Giftinformationszentrum-Nord +49 (0) 551-19240  
(Information in german or english)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008:**  
Eye Irrit. 2 H319 Causes serious eye irritation.
  - **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008:**  
The product is classified and labelled according to the GB CLP regulation.
  - **Hazard pictograms:**
- 

GHS07
- **Signal word:** Warning
  - **Hazard statements:**  
H319 Causes serious eye irritation.
  - **Precautionary statements:**  
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.  
P337+P313 If eye irritation persists: Get medical advice/attention.
  - **2.3 Other hazards**
  - **Results of PBT and vPvB assessment:**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

(Contd. on page 2)

GB

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31



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Revision: 24.10.2024

Trade name: SHERAultra-e

(Contd. of page 1)

**· Dangerous components:**

CAS: 112-34-5 EINECS: 203-961-6 Index number: 603-096-00-8 Reg.nr.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol	Eye Irrit. 2, H319	70-<100%
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· **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**

· **General information:** In case of troubles or persistent symptoms, consult an medical.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Rinse with warm water.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting. Risk of aspiration!

If symptoms persist consult doctor.

· **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>, powder or water spray. Fight larger fire with alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet.

· **5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon dioxide (CO<sub>2</sub>).

Carbon monoxide (CO).

· **5.3 Advice for firefighters**

Extinguishing measures must be appropriate to the surroundings.

Do not allow water used to extinguish fire to enter drains or waterways.

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

### SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

· **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.

GB

(Contd. on page 3)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 24.10.2024

Version number 1

Revision: 24.10.2024

Trade name: SHERAultra-e

(Contd. of page 2)

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Ensure good ventilation / exhaustion at the workplace.

Prevent formation of aerosols.

Avoid contact with skin, eye and clothing.

- Information about fire - and explosion protection: Keep ignition sources away - Do not smoke.

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

##### Storage

##### Requirements to be met by storerooms and receptacles:

storage temperature: 15 up to 25°C.

Store in a well-ventilated place.

Store only in the original receptacle.

- Information about storage in one common storage facility: Not required.

- Further information about storage conditions: Keep container tightly sealed.

- Storage class: No information available.

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

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:

##### 112-34-5 2-(2-butoxyethoxy)ethanol

WEL (Great Britain) Short-term value: 101.2 mg/m<sup>3</sup>, 15 ppm

Long-term value: 67.5 mg/m<sup>3</sup>, 10 ppm

AGW (Germany) Long-term value: 67 mg/m<sup>3</sup>, 10 ppm

1.5(l);EU, DFG, Y, 11

IOELV (EU) Short-term value: 101.2 mg/m<sup>3</sup>, 15 ppm

Long-term value: 67.5 mg/m<sup>3</sup>, 10 ppm

- DNELs:

##### 112-34-5 2-(2-butoxyethoxy)ethanol

Inhalative	DNEL Worker - Long Term - Systemic effects	67.5 mg/m <sub>3</sub> (workers)
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- Additional information: The lists valid during the making were used as basis.

#### 8.2 Exposure controls

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

- Individual protection measures, such as personal protective equipment

##### General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Ensure good ventilation / exhaustion at the workplace.

Do not inhale gases / fumes / aerosols.

- Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A (DIN EN 141).

- Hand protection



Protective gloves

(Contd. on page 4)

GB

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 24.10.2024

Version number 1

Revision: 24.10.2024

**Trade name: SHERAultra-e**

(Contd. of page 3)

**Material of gloves:**

Nitrile rubber, NBR  
Butyl rubber, BR  
Fluorocarbon rubber (Viton)

**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/face protection**

Tightly sealed goggles

### SECTION 9: Physical and chemical properties

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

· <b>Physical state</b>	Fluid
· <b>Colour:</b>	Colorless
· <b>Odour:</b>	characteristic
· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Boiling point or initial boiling point and boiling range</b>	Undetermined.
· <b>Flammability</b>	Not applicable.
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Flash point:</b>	105 °C (112-34-5 2-(2-butoxyethoxy)ethanol)
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH</b>	Not applicable.
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined.
· <b>Dynamic:</b>	Not determined.
· <b>Solubility</b>	
· <b>water:</b>	Soluble.
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	0.965 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.

**9.2 Other information**

· <b>Appearance:</b>	
· <b>Form:</b>	Fluid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Solvent content:</b>	
· <b>VOC (EC):</b>	90.00 %
· <b>Change in condition:</b>	
· <b>Evaporation rate</b>	Not determined.

(Contd. on page 5)

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 24.10.2024

Version number 1

Revision: 24.10.2024

Trade name: SHERAultra-e

(Contd. of page 4)

- |   |       |
|---|-------|
| <b>· Information with regard to physical hazard classes</b>                 |       |
| · Explosives  | Void. |
| · Flammable gases   | Void. |
| · Aerosols  | Void. |
| · Oxidising gases   | Void. |
| · Gases under pressure  | Void. |
| · Flammable liquids   | Void. |
| · Flammable solids  | Void. |
| · Self-reactive substances and mixtures                                     | Void. |
| · Pyrophoric liquids  | Void. |
| · Pyrophoric solids   | Void. |
| · Self-heating substances and mixtures                                      | Void. |
| · Substances and mixtures, which emit flammable gases in contact with water | Void. |
| · Oxidising liquids   | Void. |
| · Oxidising solids  | Void. |
| · Organic peroxides   | Void. |
| · Corrosive to metals   | Void. |
| · Desensitised explosives   | Void. |

#### SECTION 10: Stability and reactivity

- **10.1 Reactivity** Stable under normal conditions of storage and transport of solids.
- **10.2 Chemical stability** No decomposition if used according to specifications.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**  
Forms explosive gas mixture with air.  
Reacts violently with oxidising agents.
- **10.4 Conditions to avoid**  
Heat, flames and sparks.  
Protect from direct sunlight.  
Protect against UV light.
- **10.5 Incompatible materials**  
Acids.  
Oxidizing agents.
- **10.6 Hazardous decomposition products** No dangerous decomposition products known.

#### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity:** Based on available data, the classification criteria are not met.

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

**112-34-5 2-(2-butoxyethoxy)ethanol**

Oral	LD50	2,410 mg/kg (Mouse) (OECD 401)
Dermal	LD50	2,764 mg/kg (Rabbit) (OECD 402)
	NOEC, 96h	>100 mg/l (Algae) (OECD 201)

- **Serious eye damage/irritation** Causes serious eye irritation.

(Contd. on page 6)

GB

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

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Version number 1

Revision: 24.10.2024

Trade name: SHERAultra-e

(Contd. of page 5)

#### · 11.2 Information on other hazards

##### · Endocrine disrupting properties

None of the ingredients is listed.

## SECTION 12: Ecological information

#### · 12.1 Toxicity

##### · Aquatic toxicity:

##### 112-34-5 2-(2-butoxyethoxy)ethanol

EC50/48h &gt;100 mg/l (Daphnia (Daphnia magna))

EC50/72 h 1,101 mg/l (Algae) (OECD 201)

LC50/96 h 1,300 mg/l (Fish) (OECD 203)

· **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.

#### · 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

#### · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

#### · 12.7 Other adverse effects

##### · Additional ecological information:

##### · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

##### · Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

##### · Waste disposal key:

The waste disposal code as prescribed in the European Waste Catalogue (EWC) depends on the waste producer and can thus vary for a product. The waste disposal code should thus be obtained separately from the waste producer in each case.

##### · Uncleaned packaging:

· **Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

#### · 14.1 UN number or ID number

##### · ADR, IMDG, IATA

Void.

#### · 14.2 UN proper shipping name

##### · ADR, IMDG, IATA

Void.

#### · 14.3 Transport hazard class(es)

##### · ADR, ADN, IMDG, IATA

##### · Class

Void.

#### · 14.4 Packing group

##### · ADR, IMDG, IATA

Void.

(Contd. on page 7)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31



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Version number 1

Revision: 24.10.2024

Trade name: SHERAultra-e

(Contd. of page 6)

- |   |                 |
|---|-----------------|
| · <b>14.5 Environmental hazards:</b>                                  | Not applicable. |
| · <b>14.6 Special precautions for user</b>                            | Not applicable. |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>                                       | Void.           |

### SECTION 15: Regulatory information

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

- **Regulated explosives precursors**

None of the ingredients is listed.

- **Regulated poisons**

None of the ingredients is listed.

- **Reportable explosives precursors**

None of the ingredients is listed.

- **Reportable poisons**

None of the ingredients is listed.

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **National regulations:**

- **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on the state of knowledge and experience pertaining on the date of issue. The information is not to be taken as a guarantee of product properties and do not constitute the basis for a contractual legal relationship. The details must not be changed or transferred to other products. Duplication in an unchanged state is permissible.

- **Relevant phrases**

H319 Causes serious eye irritation.

- **Department issuing SDS:** Department of product security.

- **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

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)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

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