

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

Printing date 15.01.2024

Version number 3 (replaces version 2)

Revision: 15.01.2024

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

- **1.1 Product identifier**
  - **Trade name: TENSID R 206**
  - **UFI: 4F00-Q08K-A00G-4GTE**
- **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** Special cleaner
- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
TENSID Deutschland GmbH  
Gewerbepark Hasselroth  
Max-Planck-Str. 7  
D-63594 Hasselroth - Neuenhaßlau  
Germany  
Tel.: +49 (0) 6055 906 930  
Fax: +49 (0) 6055 906 950  
info@tensid.org  
www.tensid.org
  - **Informing department:**  
Technical Service:  
Tel. +49 (0) 6055 906 930
- **1.4 Emergency telephone number:**  
Phone +49 (0) 6055 906 930  
(Office hours 9:00 - 17:00)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
    - **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified, according to the CLP regulation.
  - **2.2 Label elements**
    - **Labelling according to Regulation (EC) No 1272/2008** Void
    - **Hazard pictograms** Void
    - **Signal word** Void
    - **Hazard statements** Void
    - **Additional information:**  
Safety data sheet available on request.
    - **Labelling of packages where the contents do not exceed 125 ml**
      - **Hazard pictograms** Void
      - **Signal word** Void
      - **Hazard statements** Void
- |   |     |
|---|-----|
| · <b>Components according to regulation EC 648/2004 on detergents</b> |     |
| anionic surfactants, non-ionic surfactants                            | <5% |
- **2.3 Other hazards**
    - **Results of PBT and vPvB assessment**
      - **PBT:** Not applicable.
      - **vPvB:** Not applicable.
    - **Determination of endocrine-disrupting properties**  
The product does not contain substances with endocrine disrupting properties.

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 15.01.2024

Version number 3 (replaces version 2)

Revision: 15.01.2024

Trade name: TENSID R 206

(Contd. from page 1)

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

· **Description:** Aqueous cleaning agent. Preparation based on tensides and auxiliary substances.

#### · Dangerous components:

CAS: 111-76-2	2-butoxyethanol	< 2.5%
EINECS: 203-905-0	⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
Index number: 603-014-00-0	ATE: LD50 oral: 1,200 mg/kg	
Reg.nr.: 01-2116475108-36-X		

· **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 symptoms.

#### · After skin contact

Wash with water and soap.

In case of permanent aches and pains please go and see the doctor.

#### · After eye contact

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

Remove contact lenses if possible.

#### · After swallowing

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms 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

A symptomatic therapy is to be induced.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### · Suitable extinguishing agents

The product itself does not burn.

Use fire fighting measures that suit the environment.

##### · For safety reasons unsuitable extinguishing agents

None known.

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

Inhalation of combustion gases may cause serious health hazards.

#### 5.3 Advice for firefighters

· **Protective equipment:** Wear breathing protection if necessary.

##### · Additional information

Remove goods in stock from incendiary zone, if possible.

Vapours may form an explosive atmosphere with air.

### SECTION 6: Accidental release measures

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

Ensure adequate ventilation

Use breathing protection against the effects of fumes/dust/aerosol.

· **For non-emergency personnel** Avoid contact with the product.

· **For emergency responders** Put on suitable personal protective equipment.

#### 6.2 Environmental precautions:

Small amounts usually used during handling can be flushed away with water.

Do not allow to enter drainage system, surface or ground water.

(Contd. on page 3)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 15.01.2024

Version number 3 (replaces version 2)

Revision: 15.01.2024

**Trade name: TENSID R 206**

(Contd. from page 2)

- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).  
Dispose of contaminated material as waste according to section 13.
- **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 information on disposal.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Avoid contact with eyes and skin.  
Do not spray into the eyes.  
Use only in well ventilated areas.
  - **Information about protection against explosions and fires:** No special measures required.
- **Handling**  
Do not eat or drink while working.  
Do not inhale gases / fumes / aerosols.  
Avoid close or long term contact with the skin.
- **7.2 Conditions for safe storage, including any incompatibilities**
  - **Storage**
    - **Requirements to be met by storerooms and containers:** Store only in the original container.
    - **Information about storage in one common storage facility:** Store away from foodstuffs.
    - **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed containers.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
WEL: workplace exposure limit  
OEL: Occupational Exposure Limit  
IOELV: Indicative Occupational Exposure Limit Values, workplace threshold value of the European Union

#### 111-76-2 2-butoxyethanol

IOELV (European Union)	Short-term value: 246 mg/m <sup>3</sup> , 50 ppm Long-term value: 98 mg/m <sup>3</sup> , 20 ppm Skin
WEL (Great Britain)	Short-term value: 246 mg/m <sup>3</sup> , 50 ppm Long-term value: 123 mg/m <sup>3</sup> , 25 ppm Sk, BMGV

#### · DNELs

#### 111-76-2 2-butoxyethanol

Oral	DNEL (consumer, short-term, systemic)	26.7 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	6.3 mg/kg bw/day (human)
Inhalative	DNEL (worker, short-term, systemic)	1,091 mg/m <sup>3</sup> (human)
	DNEL (worker, long-term, systemic)	98 mg/m <sup>3</sup> (human)
	DNEL (consumer, short-term, systemic)	426 mg/m <sup>3</sup> (human)
	DNEL (consumer, long-term, systemic)	59 mg/m <sup>3</sup> (human)
	DNEL (worker, short-term, local)	246 mg/m <sup>3</sup> (human)
	DNEL (consumer, short-term, local)	147 mg/m <sup>3</sup> (human)

(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 15.01.2024

Version number 3 (replaces version 2)

Revision: 15.01.2024

**Trade name: TENSID R 206**

(Contd. from page 3)

- **PNECs**

**111-76-2 2-butoxyethanol**

PNEC aqua (freshwater)	8.8 mg/L (.)
PNEC aqua (marine water)	0.88 mg/L (.)
PNEC STP - Sewage Treatment Plant	463 mg/L (.)
PNEC soil	2.33 mg/kg soil dw (.)
PNEC sediment (freshwater)	34.6 mg/kg sedim. dw (.)
PNEC sediment (marine water)	3.46 mg/kg sedim. dw (.)
PNEC aqua (intermittent releases)	26.4 mg/L (.)
PNEC oral	0.02 mg/kg food (.)

- **Ingredients with biological limit values:**

**111-76-2 2-butoxyethanol**

BMGV (Great Britain)	240 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
	Parameter: butoxyacetic acid

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.  
Take off all contaminated clothing immediately.  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes and skin.

- **Breathing equipment:**

Not required when used as intended.  
Only during spraying without adequate removal by suction.  
Filter A2/P2

- **Hand protection**

Protective gloves are recommended at frequent and/or long-term skin contact with the product. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Synthetic rubber gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

In case of a layer thickness of 0.2 mm the penetration time is longer than 480 minutes. 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 safety glasses.

- **Body protection:**

When the risk of skin exposure is high (from experience this could apply to the following tasks: cleaning work, maintenance and service, filling and transfer, taking samples and cleaning up spillages) then a chemical protective suit and boots will be required.

(Contd. on page 5)

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

Printing date 15.01.2024

Version number 3 (replaces version 2)

Revision: 15.01.2024

**Trade name: TENSID R 206**

Wash contaminated clothing after use.

(Contd. from page 4)

### **SECTION 9: Physical and chemical properties**

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

##### **General Information**

- |   |                 |
|---|-----------------|
| · <b>Colour:</b>  | Light yellow    |
| · <b>Odour:</b>   | Mild            |
| · <b>Odour threshold:</b>   | Not determined. |
| · <b>Melting point/freezing point:</b>                            | < 0 °C          |
| · <b>Boiling point or initial boiling point and boiling range</b> | 100 °C          |
| · <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>   | Not applicable  |
| · <b>Auto-ignition temperature:</b>                               | Not determined. |
| · <b>Decomposition temperature:</b>                               | Not determined. |

##### **SADT**

- |  |                        |
|--|------------------------|
| · <b>pH at 20 °C</b>                                       | 11.1                   |
| · <b>Viscosity:</b>  |                        |
| · <b>Kinematic viscosity</b>                               | Not determined.        |
| · <b>dynamic:</b>  | Not determined.        |
| · <b>Solubility</b>  |                        |
| · <b>Water:</b>  | Fully miscible         |
| · <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>                                  | 1.05 g/cm <sup>3</sup> |

#### **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>Self-inflammability:</b>  | Product is not selfigniting. |
| · <b>Explosive properties:</b>   | Product is not explosive.    |
| · <b>VOC EU</b>  | 2.60 %                       |
| · <b>Change in condition</b>   |                              |
| · <b>Evaporation rate</b>  | Not determined.              |

#### **Information with regard to physical hazard classes**

- |  |      |
|--|------|
| · <b>Explosives</b>                            | Void |
| · <b>Flammable gases</b>                       | Void |
| · <b>Aerosols</b>                              | Void |
| · <b>Oxidising gases</b>                       | Void |
| · <b>Gases under pressure</b>                  | Void |
| · <b>Flammable liquids</b>                     | Void |
| · <b>Flammable solids</b>                      | Void |
| · <b>Self-reactive substances and mixtures</b> | Void |
| · <b>Pyrophoric liquids</b>                    | Void |
| · <b>Pyrophoric solids</b>                     | Void |
| · <b>Self-heating substances and mixtures</b>  | Void |

(Contd. on page 6)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 15.01.2024

Version number 3 (replaces version 2)

Revision: 15.01.2024

**Trade name: TENSID R 206**

(Contd. from page 5)

- |  |      |
|--|------|
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void |
| · <b>Oxidising liquids</b>   | Void |
| · <b>Oxidising solids</b>  | Void |
| · <b>Organic peroxides</b>   | Void |
| · <b>Corrosive to metals</b>   | Void |
| · <b>Desensitised explosives</b>   | Void |

### 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** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
None in case of intended use and storage in compliance with instructions.

### 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 that are relevant for classification:**

##### 111-76-2 2-butoxyethanol

Oral	LD50	1,200 mg/kg (ATE) 1,414 mg/kg (guinea pig) (OECD 401)
Dermal	LD50	> 2,000 mg/kg (guinea pig)
Inhalative	LC0	> 3.9 mg/l/4h (guinea pig) Vapour

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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.
- **Additional toxicological information:**

#### · **Repeated dose toxicity**

##### 111-76-2 2-butoxyethanol

Oral	NOAEL (90d)	370 mg/kg bw/day (mouse) (OECD 408)
Dermal	NOAEL (90d)	> 150 mg/kg bw/day (rabbit) (OECD 411)

- **11.2 Information on other hazards**

#### · **Endocrine disrupting properties**

None of the ingredients is listed.

(Contd. on page 7)



# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 15.01.2024

Version number 3 (replaces version 2)

Revision: 15.01.2024

Trade name: TENSID R 206

(Contd. from page 6)

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Aquatic toxicity:

##### 111-76-2 2-butoxyethanol

EC50 (static)	1,800 mg/l/48h (Daphnia magna) (OECD 202)
LC50 (static)	1,474 mg/l/96h (Oncorhynchus mykiss) (OECD 203)
EC50 (static)	911 mg/l/72h (Raphidocelis subcapitata) (OECD 201)

- **12.2 Persistence and degradability** Easily biodegradable
- **Other information:** There are no data available about the preparation.
- **12.3 Bioaccumulative potential** Does not accumulate in organisms
- **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:**  
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Recommendation

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

The waste code numbers mentioned are recommendations based on the probable use of the product.

##### European waste catalogue

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 07 00	wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07 07 04*	other organic solvents, washing liquids and mother liquors
08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 21*	waste paint or varnish remover

##### Uncleaned packagings:

##### Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.

Non contaminated packagings can be used for recycling.

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

##### ADR/RID, ADN, IMDG, IATA

Void

(Contd. on page 8)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 15.01.2024

Version number 3 (replaces version 2)

Revision: 15.01.2024

**Trade name: TENSID R 206**

(Contd. from page 7)

· <b>14.2 UN proper shipping name</b> · <b>ADR/RID, ADN, IMDG, IATA</b>	Void
· <b>14.3 Transport hazard class(es)</b> · <b>ADR/RID, ADN, IMDG, IATA</b> · <b>Class</b>	Void
· <b>14.4 Packing group</b> · <b>ADR/RID, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <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>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

### SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**

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

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations**

· **Water hazard class:**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

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

EU

(Contd. on page 9)



# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 15.01.2024

Version number 3 (replaces version 2)

Revision: 15.01.2024

**Trade name: TENSID R 206**

(Contd. from page 8)

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

This data sheet considers labelling requirements of Regulation (EU) 2022/692 adapting Regulation (EC) No 1272/2008 (18th ATP of the CLP Regulation).

- **Relevant phrases**

The phrases specified here are no labelling elements for the product but repeat the properties of the ingredients from section 3.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

- **Department issuing data specification sheet:**



This Safety Data Sheet has been drawn up in cooperation with:  
DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,  
phone: (+49) 511 42079 - 0, reach@dekra.com.

© DEKRA Assurance Services GmbH. Changing this documents is subject to explicit acceptance by DEKRA Assurance Services GmbH.

- **Version number of previous version: 2**

- **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 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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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

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

EU