

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 22 Nov 2022

Print date: 22 Nov 2022

Version: 2



## PUR-O-CLEAN

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

#### 1.1. Product identifier

Trade name/designation:

**PUR-O-CLEAN**

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

Use of the substance/mixture:

Cleaning agent

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

Supplier (manufacturer/importer/only representative/downstream user/distributor):

**TPH Bausysteme GmbH**

Nordportbogen 8

22848 Norderstedt

Germany

**Telephone:** +49 40 52 90 66 78-0

**Telefax:** +49 40 52 90 66 78-78

**E-mail:** info@tph-bausysteme.com

**Website:** www.tph-bausysteme.com

**E-mail (competent person):** sdb-info@tph-bausysteme.com

#### 1.4. Emergency telephone number

24h: International access phone number: +1-813-248-0585 /// United States, Canada, Puerto Rico, U.S. Virgin Islands: 1-800-255-3924 (Contract No. MIS7249185) /// Australia: 1-300-954-583 /// Brazil: 0-800-591-6042 /// China: 400-120-0751 /// India: 000-800-100-4086 /// Mexico: 800-099-0731

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

#### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

**Hazard statements:** none

**Supplemental hazard information:** none

**Precautionary statements:** none

#### 2.3. Other hazards

No data available

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

**Hazardous ingredients / Hazardous impurities / Stabilisers:**

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
<b>CAS No.:</b> 124-17-4 <b>EC No.:</b> 204-685-9	<b>2-(2-butoxyethoxy)ethyl acetate</b> The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].	60 - ≤ 100 weight-%

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

##### Following inhalation:

Provide fresh air.

##### Following ingestion:

Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

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

No known symptoms to date.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media:

alcohol resistant foam Extinguishing powder Carbon dioxide (CO<sub>2</sub>) Water spray jet

##### Unsuitable extinguishing media:

Full water jet

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

##### Hazardous combustion products:

In case of fire: Gases/vapours, toxic Carbon monoxide Carbon dioxide (CO<sub>2</sub>)

#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

#### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

##### Personal precautions:

Avoid breathing dust/fume/gas/mist/vapours/spray. Remove persons to safety.

##### Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

##### 6.1.2. For emergency responders

##### Personal protection equipment:

Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

#### For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective measures

#### Advices on safe handling:

Wear personal protection equipment (refer to section 8).

#### Fire prevent measures:

Keep away from sources of ignition - No smoking.

#### Environmental precautions:

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

#### Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

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

#### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

#### Requirements for storage rooms and vessels:

Avoid high temperatures or direct sunlight.

**Storage class (TRGS 510, Germany):** 10 - Combustible liquids that cannot be assigned to any of the above storage classes

#### Further information on storage conditions:

Keep away from: Heat UV-radiation/sunlight

### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
LT	2-(2-butoxyethoxy)ethyl acetate CAS No.: 124-17-4 EC No.: 204-685-9	① 15 ppm (130 mg/m <sup>3</sup> ) ② 30 ppm (250 mg/m <sup>3</sup> ) ⑤
SE	2-(2-butoxyethoxy)ethyl acetate CAS No.: 124-17-4 EC No.: 204-685-9	① 15 ppm (130 mg/m <sup>3</sup> ) ③ 30 ppm (250 mg/m <sup>3</sup> )

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Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	2-(2-butoxyethoxy)ethyl acetate CAS No.: 124-17-4 EC No.: 204-685-9	① 10 ppm (67 mg/m <sup>3</sup> ) ② 15 ppm (100.5 mg/m <sup>3</sup> ) ⑤ (Aerosol und Dampf, kann über die Haut aufgenommen werden) DFG, Y, 11
CH	2-(2-butoxyethoxy)ethyl acetate CAS No.: 124-17-4 EC No.: 204-685-9	① 10 ppm (85 mg/m <sup>3</sup> ) ② 15 ppm (128 mg/m <sup>3</sup> ) ⑤ (Dampf und Aerosol) SSC
SI	2-(2-butoxyethoxy)ethyl acetate CAS No.: 124-17-4 EC No.: 204-685-9	① 10 ppm (67.5 mg/m <sup>3</sup> ) ② 15 ppm (101.2 mg/m <sup>3</sup> ) ⑤ Y

### 8.1.2. Biological limit values

No data available

### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
2-(2-butoxyethoxy)ethyl acetate CAS No.: 124-17-4 EC No.: 204-685-9	100 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
2-(2-butoxyethoxy)ethyl acetate CAS No.: 124-17-4 EC No.: 204-685-9	60 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
2-(2-butoxyethoxy)ethyl acetate CAS No.: 124-17-4 EC No.: 204-685-9	7.9 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
2-(2-butoxyethoxy)ethyl acetate CAS No.: 124-17-4 EC No.: 204-685-9	0.108 mg/L	① PNEC aquatic, freshwater
2-(2-butoxyethoxy)ethyl acetate CAS No.: 124-17-4 EC No.: 204-685-9	0.0108 mg/L	① PNEC aquatic, marine water
2-(2-butoxyethoxy)ethyl acetate CAS No.: 124-17-4 EC No.: 204-685-9	0.8 mg/kg	① PNEC sediment, freshwater
2-(2-butoxyethoxy)ethyl acetate CAS No.: 124-17-4 EC No.: 204-685-9	0.08 mg/kg	① PNEC sediment, marine water
2-(2-butoxyethoxy)ethyl acetate CAS No.: 124-17-4 EC No.: 204-685-9	70 mg/kg	① PNEC secondary poisoning

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No data available

### 8.2.2. Personal protection equipment

#### Eye/face protection:

Eye glasses with side protection EN 166

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### Skin protection:

Tested protective gloves must be worn EN ISO 374 Breakthrough times and swelling properties of the material must be taken into consideration. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

### 8.2.3. Environmental exposure controls

No data available

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Physical state:** Liquid

**Colour:** colourless

**Odour:** not determined

#### Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	3 - 4		
Melting point	-32.2 °C		
Freezing point	<i>not determined</i>		
Initial boiling point and boiling range	240 - 250 °C		
Decomposition temperature	<i>not determined</i>		
Flash point	108 °C		
Evaporation rate	<i>not determined</i>		
Auto-ignition temperature	<i>not determined</i>		
Upper/lower flammability or explosive limits	0.6 - 10.7 Vol-%		
Vapour pressure	<i>not determined</i>		
Vapour density	<i>not determined</i>		
Density	0.98 g/cm <sup>3</sup>	20 °C	
Relative density	<i>not determined</i>		
Bulk density	<i>not determined</i>		
Water solubility	65 g/L	20 °C	
Partition coefficient: n-octanol/water	<i>not determined</i>		
Dynamic viscosity	<i>not determined</i>		
Kinematic viscosity	<i>not determined</i>		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

No data available

### 10.3. Possibility of hazardous reactions

Peroxide formation possible with air oxygen. In use, may form flammable/explosive vapour-air mixture.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid high temperatures or direct sunlight.

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### 10.5. Incompatible materials

Aluminium Alkali metals Oxidizing agent Strong acid

### 10.6. Hazardous decomposition products

Decomposition products in case of fire: see section 5.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

<b>2-(2-butoxyethoxy)ethyl acetate</b> CAS No.: 124-17-4 EC No.: 204-685-9
<b>LD<sub>50</sub> oral:</b> 11,920 mg/kg (Rat)
<b>LD<sub>50</sub> dermal:</b> 5,400 mg/kg (Rabbit)
<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> >400 mg/L 4 h (Rat)

#### Acute oral toxicity:

Based on available data, the classification criteria are not met.

#### Acute dermal toxicity:

Based on available data, the classification criteria are not met.

#### Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

#### 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 information:

No data available

### 11.2. Information on other hazards

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>2-(2-butoxyethoxy)ethyl acetate</b> CAS No.: 124-17-4 EC No.: 204-685-9
<b>LC<sub>50</sub>:</b> >50 - 70 mg/L 4 d (fish, Danio rerio (zebrafish))
<b>LC<sub>50</sub>:</b> 664 mg/L 2 d (crustaceans, Daphnia magna (Big water flea))
<b>EC<sub>50</sub>:</b> 1,570 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)

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### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

2-(2-butoxyethoxy)ethyl acetate CAS No.: 124-17-4 EC No.: 204-685-9

Log K<sub>ow</sub>: 1.7

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

2-(2-butoxyethoxy)ethyl acetate CAS No.: 124-17-4 EC No.: 204-685-9

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

#### Waste code product

07 01 01 \* aqueous washing liquids and mother liquors

\*: Evidence for disposal must be provided.

#### Waste treatment options

#### Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

## SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN number or ID number</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es)</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.4. Packing group</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.5. Environmental hazards</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.6. Special precautions for user</b>			
not relevant	not relevant	not relevant	not relevant

### 14.7. Maritime transport in bulk according to IMO instruments

No data available

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU legislation

No data available

##### 15.1.2. National regulations

###### [DE] National regulations

##### Water hazard class

###### WGK:

1 - schwach wassergefährdend

###### [DK] National regulations

##### Other regulations, restrictions and prohibition regulations

MAL-kode (Denmark): 00-1

#### 15.2. Chemical Safety Assessment

No data available

### SECTION 16: Other information

#### 16.1. Indication of changes

No data available

#### 16.2. Abbreviations and acronyms

No data available

#### 16.3. Key literature references and sources for data

No data available

#### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

#### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

No data available

#### 16.6. Training advice

No data available

#### 16.7. Additional information

No data available