

# Safety Data Sheet

according to UK REACH Regulation

Revision date:  
18.02.2025

## PERI Bio-Clean

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

#### 1.1. Product identifier

PERI Bio-Clean

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

##### Use of the substance/mixture

Concrete release agent

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

Company name:	PERI SE	
Street:	Rudolf-Diesel-Str.	
Place:	D-89264 Weißenhorn	
Telephone:	+49 (0) 7309 / 950-0	Telefax: +49 (0) 7309 / 951-0
E-mail:	info@peri.com	
Contact person:	Andreas Mayer	
E-mail:	andreas.mayer2@peri.com	

**1.4. Emergency telephone number:** In England and Wales: NHS Direct: 0845 4647 or 111 In Scotland: NHS 24 - 08454 24 24 24 In Republic of Ireland: 01 809 2166

### SECTION 2: Hazards identification

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

##### GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

#### 2.2. Label elements

#### 2.3. Other hazards

No further relevant information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Ester-based mixture.

##### Relevant ingredients

none (according to UK REACH Regulation)

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

When in doubt or if symptoms are observed, get medical advice. If unconscious but breathing normally, place in recovery position and seek medical advice. Remove contaminated, saturated clothing immediately.

##### After inhalation

Remove casualty to fresh air and keep warm and at rest.

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

##### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

##### After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Let water be drunken in little sips (dilution effect). Call a physician immediately. Do NOT induce vomiting.

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

When in doubt or if symptoms are observed, get medical advice.

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

No information available.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>).

#### **Unsuitable extinguishing media**

Full water jet.

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

Hazardous decomposition products: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Do not inhale explosion and combustion gases.

### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Do not allow to enter into soil/subsoil.

## **SECTION 6: Accidental release measures**

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

#### **General advice**

Protective measures: see section 7 + 8.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Clean contaminated articles and floor according to the environmental legislation.

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

#### **Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

### **6.4. Reference to other sections**

Protective measures: see section 7 + 8.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Use personal protection equipment. Do not eat, drink or smoke when using this product. Provide fresh air. Handle and open container with care. Conditions to avoid: generation/formation of aerosols.

#### **Advice on protection against fire and explosion**

No special measures are necessary.

#### **Advice on general occupational hygiene**

When using do not eat, drink, smoke, sniff.

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

#### **Requirements for storage rooms and vessels**

Protect against: Frost. Keep away from heat. Protect from direct sunlight. Keep container tightly closed in a cool, well-ventilated place.

### **7.3. Specific end use(s)**

Observe technical data sheet.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

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### Additional advice on limit values

- a no restriction
- b End of exposure or end of shift
- c at long-term exposure:
- d before next shift

Y: A risk of reproductive effects needs not to be feared if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept

Z: A risk of reproductive effects cannot to be excluded if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept

blood (B)

Urine (U)

### 8.2. Exposure controls

#### Appropriate engineering controls

See section 7. No additional measures necessary.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Eye glasses with side protection (EN ISO 16321).

##### Hand protection

Wear suitable gloves. Recommended glove articles: EN ISO 374. Suitable material: NBR (Nitrile rubber).

Breakthrough time: > 480 min (Thickness of the glove material: 0.4 mm). Breakthrough times and swelling properties of the material must be taken into consideration. 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. Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

##### Skin protection

Protective clothing.

##### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. When splashes or fine mist form, a permitted breathing apparatus suitable for these purposes must be used. Suitable respiratory protection apparatus: Filtering Half-face mask (EN 149), e.g. FFA P / FFP3.

##### Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	yellow, clear
Odour:	characteristic

	Test method
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flammability:	Non-flammable.
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	200 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value:	not applicable
Viscosity / kinematic: (at 20 °C)	14,5 mm²/s ASTM D 7042
Water solubility:	insoluble
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined

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Density (at 15 °C):	0,89 g/cm <sup>3</sup>	DIN EN ISO 12185
Relative vapour density:	not determined	
Particle characteristics:	not applicable	

### 9.2. Other information

#### Other safety characteristics

Pour point:	-12 °C	ASTM D 7346
Viscosity / dynamic:	not determined	
Flow time:	not determined	

#### Further Information

No further relevant information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

Heat.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

No information available.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in GB CLP Regulation

#### Acute toxicity

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

#### ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

#### Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

#### Sensitising effects

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

#### Carcinogenic/mutagenic/toxic effects for reproduction

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.

### 11.2. Information on other hazards

#### Other information

Keeping to the general worker's protection rules and the industrial hygienics, there is no risk in handling this product through the personnel.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

There are no data available on the mixture itself.

#### 12.2. Persistence and degradability

Biodegradation: 80-90% (By analogy.; Method: OECD 301 B; Test duration: 28 d)

Evaluation: The product is: Readily biodegradable (according to OECD criteria).

#### 12.3. Bioaccumulative potential

There are no data available on the mixture itself.

#### 12.4. Mobility in soil

No data available

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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No data available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### **Disposal recommendations**

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

##### **List of Wastes Code - residues/unused products**

130207 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; readily biodegradable engine, gear and lubricating oils; hazardous waste

##### **Contaminated packaging**

Non-contaminated packages may be recycled. Consult the appropriate local waste disposal expert about waste disposal.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

- 14.1. UN number or ID number:
- 14.2. UN proper shipping name:
- 14.3. Transport hazard class(es):
- 14.4. Packing group:

No dangerous good in sense of this transport regulation.  
No dangerous good in sense of this transport regulation.  
No dangerous good in sense of this transport regulation.  
No dangerous good in sense of this transport regulation.

#### **Marine transport (IMDG)**

- 14.1. UN number or ID number:
- 14.2. UN proper shipping name:
- 14.3. Transport hazard class(es):
- 14.4. Packing group:

Marine pollutant:

No dangerous good in sense of this transport regulation.  
No dangerous good in sense of this transport regulation.  
No dangerous good in sense of this transport regulation.  
No dangerous good in sense of this transport regulation.  
NO

#### **Air transport (ICAO-TI/IATA-DGR)**

- 14.1. UN number or ID number:
- 14.2. UN proper shipping name:
- 14.3. Transport hazard class(es):
- 14.4. Packing group:

No dangerous good in sense of this transport regulation.  
No dangerous good in sense of this transport regulation.  
No dangerous good in sense of this transport regulation.  
No dangerous good in sense of this transport regulation.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:

No

#### 14.6. Special precautions for user

No data available

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

No data available

## **SECTION 15: Regulatory information**

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

#### **EU regulatory information**

Directive 2010/75/EU on industrial emissions:	0 %
Information according to Directive 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

#### **National regulatory information**

Water hazard class (D):	1 - slightly hazardous to water
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### **15.2. Chemical safety assessment**

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

## **SECTION 16: Other information**

### **Changes**

This data sheet contains changes from the previous version in section(s): 1,2,4,5,6,7,8,9,10,11,12,13,14,15,16.

### **Abbreviations and acronyms**

ADR: Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
CAS: Chemical Abstracts Service (a division of the American Chemical Society)  
DNEL/DMEL: Derived No-Effect Level / Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
WEL (UK): Workplace Exposure Limits  
TWA (EC): Time-Weighted Average  
STEL (EC): Short Term Exposure Limit  
ATE: Acute Toxicity Estimate  
LD50: Lethal Dose, 50% (median lethal dose)  
LC50: Lethal Concentration, 50% (median lethal concentration)  
EC50: half maximal Effective Concentration  
ErC50: EC50 in terms of reduction of growth rate  
AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen

### **Further Information**

Safety Data Sheet according to COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*