

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## Permanon pool & spa 2 in 1

Product code: 2438

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

#### Product identifier

**Permanon pool 2 in 1**

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

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

Company name:	Permanon GmbH	
Street:	Winterstetten 53	
Place:	D-88299 Leutkirch	
Telephone:	+49(0)7567/1563	Telefax: +49(0)7567/1031
e-mail:	<a href="mailto:info@permanon.de">info@permanon.de</a>	
Contact person:	S. Krücken	Telephone: +49(0)7567/1563
<b>Emergency telephone:</b>	<b>+49(0)7567/1033</b>	

### SECTION 2: Hazards identification

#### Classification of the substance or mixture

Indications of danger : Irritant  
R-phrases:  
Risk of serious damage to eyes.

#### Label elements

Danger symbols: Xi - Irritant



Xi - Irritant

#### **R phrases**

41 Risk of serious damage to eyes.

#### **S phrases**

02 Keep out of the reach of children.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
39 Wear eye/face protection.  
46 If swallowed, seek medical advice immediately and show this container or label.

### SECTION 3: Composition/information on ingredients

#### Mixtures

#### **Hazardous components**

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
263-058-8	cocoamidopropyl betaine	15 - 20 %
61789-40-0	Xi R41	
	Eye Dam. 1; H318	
	alkyl polyethylene glycol ether	1 - 5 %
	Xn R22-41	

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204-528-4 Acute Tox. 4, Eye Dam. 1; H302 H318  
122-20-3 1,1',1"-nitrilotripropan-2-ol, triisopropanolamine  
603-097-00-3 Xi R36-52-53  
Eye Irrit. 2, Aquatic Chronic 3; H319 H412

1 - 5 %

Full text of R- and H-phrases: see section 16.

## SECTION 4: First aid measures

### Description of first aid measures

#### General information

Take off contaminated clothing and shoes immediately.

#### After inhalation

Move to fresh air. If symptoms persist, call a physician.

#### After contact with skin

Wash off immediately with plenty of water.

If symptoms persist, call a physician.

#### After contact with eyes

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

#### After ingestion

Rinse mouth.

If swallowed, seek medical advice immediately and show this container or label.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

water spray, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam , dry chemical

The product itself does not burn.

### Special hazards arising from the substance or mixture

Heating or fire can release toxic gas. nitrogen oxides (NO<sub>x</sub>) Carbon oxides

### Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

Special protective equipment for fire-fighters

### Additional information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

High risk of slipping due to leakage/spillage of product.

### Environmental precautions

Do not flush into surface water or sanitary sewer system.

### Methods and material for containment and cleaning up

Clean-up methods - small spillage Dilute with plenty of water.

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Clean-up methods - large spillage Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Treat recovered material as described in the section "Disposal considerations".

### SECTION 7: Handling and storage

#### Precautions for safe handling

##### Advice on safe handling

Avoid formation of aerosol.  
Avoid contact with skin, eyes and clothing.  
Keep container tightly closed.

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

The product itself does not burn.

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

##### Requirements for storage rooms and vessels

Store in original container.

##### Advice on storage compatibility

Keep away from food and drink.

##### Further information on storage conditions

Protect from frost, heat and sunlight.

### SECTION 8: Exposure controls/personal protection

#### Control parameters

#### Exposure controls

##### Protective and hygiene measures

Avoid contact with the skin and the eyes.  
Remove and wash contaminated clothing before re-use.  
Wash hands before breaks and at the end of workday.

##### Respiratory protection

Breathing apparatus needed only when aerosol or mist is formed.  
Half mask with a particle filter P2 (EN 143).

##### Hand protection

As the product is a preparation of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use. The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove.

Polychloropren - CR (0,5 mm)  
Nitrilkautschuk/Nitrillatex - NBR (0,35 mm)  
Butylkautschuk - Butyl (0,5 mm)  
Fluorkautschuk - FKM (0,4 mm)  
Polyvinylchlorid - PVC (0,5 mm)

##### Eye protection

safety glasses with side-shields

##### Skin protection

long sleeved clothing

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Physical state: liquid

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Colour: blue  
Odour: pleasant

### Test method

pH-Value (at 20 °C): Conc. 100 % 7,2± 2

### Changes in the physical state

Melting point: not determined  
Boiling point: not determined  
Flash point: not applicable

### Explosive properties

Not explosive

Ignition temperature: not applicable

### Oxidizing properties

Not applicable.

Density (at 20 °C): 1,0g/cm<sup>3</sup> kg/ m<sup>3</sup>

## SECTION 10: Stability and reactivity

### Reactivity

No dangerous reaction known under conditions of normal use.

### Chemical stability

No decomposition if used as directed.

### Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

CAS No.	Chemical name	Exposure routes	Method	Dose	Species	h
61789-40-0	cocoamidopropyl betaine	Acute oral toxicity	LD50	> 2000 mg/kg	Ratte	
	alkyl polyethylene glycol ether	Acute oral toxicity	LD50	300- 2000 mg/kg	Ratte	
122-20-3	1,1',1''-nitrilotripropan-2-ol, triisopropanolamine	Acute oral toxicity	LD50	4000 mg/kg	Ratte	
		Acute dermal toxicity	LD50	10000 mg/kg	Kaninchen	

#### Irritation and corrosivity

Severe eye irritation. Risk of serious damage to eyes.

## SECTION 12: Ecological information

### Toxicity

CAS No.	Chemical name	Aquatic toxicity	Method	Dose	Species	h
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61789-40-0	cocoamidopropyl betaine				
	Acute fish toxicity	LC50	1-10 mg/l	Cyprinus carpio	96
	Acute algae toxicity	ErC50	1-10 mg/l	scenedesmus subspicatus	72
	Acute crustacea toxicity	EC50	1-10 mg/l	Daphnia magna	48
	alkyl polyethylene glycol ether				
	Acute fish toxicity	LC50	10- 100 mg/l	Brachydanio rerio	96
	Acute algae toxicity	ErC50	10- 100 mg/l	Scenedesmus subspicatus	72
	Acute crustacea toxicity	EC50	10- 100 mg/l	Daphnia magna	48
122-20-3	1,1',1''-nitritotripropan-2-ol, triisopropanolamine				
	Acute fish toxicity	LC50	3158 mg/l	Leuciscus idus	96
	Acute algae toxicity	ErC50	> 100 mg/l	Scenedesmus subspicatus	72
	Acute crustacea toxicity	EC50	> 500 mg/l	Daphnia magna	48

### Persistence and degradability

Contained tenside is more than 90% biodegradable.

## SECTION 13: Disposal considerations

### Waste treatment methods

#### Advice on disposal

In accordance with local and national regulations.

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

#### Contaminated packaging

water.

Completely emptied packages may be recycled.

Dipose of packages that cannot be cleaned.

## SECTION 14: Transport information

### Land transport (ADR/RID)

#### Other applicable information (land transport)

Not classified as dangerous in the meaning of transport regulations.

### Marine transport

#### Other applicable information (marine transport)

Not classified as dangerous in the meaning of transport regulations.

### Air transport

#### Other applicable information (air transport)

Not classified as dangerous in the meaning of transport regulations.

## SECTION 15: Regulatory information

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

#### National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

## SECTION 16: Other information

### Full text of R-phrases referred to under sections 2 and 3

22 Harmful if swallowed.

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- 36 Irritating to eyes.
- 41 Risk of serious damage to eyes.
- 52 Harmful to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.

### Full text of H-Statements referred to under sections 2 and 3

- H302 Harmful if swallowed.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H412 Harmful to aquatic life with long lasting effects.

### Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

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