

# PROFI REINIGER CONCENTRATE (10 L - 20 L - 200 L)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 12/13/2021 Revision date: 12/20/2021 Supersedes version of: 4/18/2017 Version: 5.1

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : PROFI REINIGER CONCENTRATE (10 L - 20 L - 200 L)  
UFI : 908C-106P-T00P-NH8E  
Product code : 4065 - 4066 - 4067  
Type of product : Detergent  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Use of the substance/mixture : Cleaning agent  
Function or use category : Cleaning/washing agents and additives

##### 1.2.2. Uses advised against

Restrictions on use : No information available

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

Pro Part International  
Molenakker , 3  
5953 TW Reuver – Limburg  
Nederland  
T +31 (0) 77 476 2204  
[info@propart-international.com](mailto:info@propart-international.com) - [www.propart-international.com](http://www.propart-international.com)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	Only for healthcare professionals

### SECTION 2: Hazards identification

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

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

Skin corrosion/irritation, Category 1, Sub-Category 1A H314  
Serious eye damage/eye irritation, Category 1 H318  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

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### 2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

: Danger

Contains

: DISODIUM METASILICATE, POTASSIUM HYDROXIDE

Hazard statements (CLP)

: H314 - Causes severe skin burns and eye damage.  
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P280 - Wear protective gloves, protective clothing, eye protection, face protection.  
P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER, a doctor.  
P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.. Immediately call a POISON CENTER, a doctor.  
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER, a doctor.  
P405 - Store locked up.  
P501 - Dispose of Contents and container, to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.  
EUH-statements : EUH208 - Contains (R)-P-MENTHA-1,8-DIEEN; D-LIMONEEN. May produce an allergic reaction.

### 2.3. Other hazards

Other hazards which do not result in classification

: No information available. The information given in this section is valid for the undiluted product.

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

No data available

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-BUTOXYETHANOL substance with a Community workplace exposure limit	CAS-No.: 111-76-2 EC-No.: 203-905-0 EC Index-No.: 603-014-00-0 REACH-no: 01-2119475108-36	1 – 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
POTASSIUM OLEATE	CAS-No.: 143-18-0 EC-No.: 205-590-5	1 – 5	Eye Irrit. 2, H319
3-(3-COCAMIDO-PROPYL) DIMETHYLAMMONIUM-2-HYDROXYPROPANE SULFATE (INCI: COCAMIDOPROPYL HYDROXYSULTAINE)	CAS-No.: 68139-30-0 EC-No.: 205-590-5	1 – 5	Eye Irrit. 2, H319

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ALCOHOL C9-11, ETHOXYLATED	CAS-No.: 68439-46-3 REACH-no: 01-2119980051-45	1 – 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
DISODIUM METASILICATE	CAS-No.: 6834-92-0 EC-No.: 229-912-9 EC Index-No.: 014-010-00-8 REACH-no: 01-2119449811-37	1 – 5	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 STOT SE 3, H335
POTASSIUM HYDOXIDE	CAS-No.: 1310-58-3 EC-No.: 215-181-3 EC Index-No.: 019-002-00-8 REACH-no: 01-2119487136-33	1 – 5	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314
TRISODIUM ORTHOPHOSPHATE	CAS-No.: 7601-54-9 EC-No.: 231-509-8 REACH-no: 01-2119489800-32	0.1 – 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
(R)-P-MENTHA-1,8-DIEEN; D-LIMONEEN	CAS-No.: 5989-27-5 EC-No.: 227-813-5 EC Index-No.: 601-029-00-7 REACH-no: 01-2119529223-47	0.1 – 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 3, H412

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
POTASSIUM HYDOXIDE	CAS-No.: 1310-58-3 EC-No.: 215-181-3 EC Index-No.: 019-002-00-8 REACH-no: 01-2119487136-33	( 0.5 ≤ C < 2) Skin Irrit. 2, H315 ( 0.5 ≤ C < 2) Eye Irrit. 2, H319 ( 2 ≤ C < 5) Skin Corr. 1B, H314 ( 5 ≤ C ≤ 100) Skin Corr. 1A, H314

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER/doctor.
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects	: Causes severe skin burns and eye damage.
Symptoms/effects after inhalation	: Overexposure may result in : Soar throat. Cough. Shortness of breath.
Symptoms/effects after skin contact	: Burns. Redness. Pain.
Symptoms/effects after eye contact	: Blurred vision. Burning sensation. Tears. Redness, pain. Causes serious eye damage.
Symptoms/effects after ingestion	: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide. Sand.  
Unsuitable extinguishing media : Do not use a heavy water stream.

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

Fire hazard : Not flammable.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

General measures : Wear personal protective clothing (see chapter 8). Material spilled on hard surface can present a serious slipping/falling hazard.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe vapours, mist, fume, spray, Dust. Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Do not flush into surface water.

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

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Dispose of in accordance with relevant local regulations. Wash away remainder with plenty of water.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Normal precautions for handling chemicals should be observed. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

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Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures : Comply with applicable regulations. Keep away from sources of ignition.  
Storage conditions : Protect from freezing. Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place.  
Incompatible products : Strong acids. Strong bases.  
Heat and ignition sources : Protect from heat and direct sunlight.

### 7.3. Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

2-BUTOXYETHANOL (111-76-2)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	2-Butoxyethanol
IOEL TWA	98 mg/m <sup>3</sup>
IOEL TWA [ppm]	20 ppm
IOEL STEL	246 mg/m <sup>3</sup>
IOEL STEL [ppm]	50 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Belgium - Occupational Exposure Limits	
OEL TWA	98 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
OEL STEL	246 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
Netherlands - Occupational Exposure Limits	
Local name	2-Butoxyethanol
TGG-8u (OEL TWA)	100 mg/m <sup>3</sup>
TGG-15min (OEL STEL)	246 mg/m <sup>3</sup>
Remark	H (Huidopname) Stoffen die relatief gemakkelijk door de huid kunnen worden opgenomen, hetgeen een substantiële bijdrage kan betekenen aan de totale inwendige blootstelling, hebben in de lijst een H-aanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen.
Regulatory reference	Arbeidsomstandighedenregeling 2021
POTASSIUM HYDOXIDE (1310-58-3)	
Belgium - Occupational Exposure Limits	
OEL STEL	2 mg/m <sup>3</sup>

#### 8.1.2. Recommended monitoring procedures

No additional information available

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### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

2-BUTOXYETHANOL (111-76-2)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	89 mg/kg bodyweight/day
Acute - systemic effects, inhalation	633 – 1091 mg/m <sup>3</sup>
Acute - local effects, inhalation	246 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	75 – 125 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	98 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	44.5 – 89 mg/kg bodyweight
Acute - systemic effects, inhalation	426 mg/m <sup>3</sup>
Acute - systemic effects, oral	13.4 – 26.7 mg/kg bodyweight
Acute - local effects, inhalation	123 mg/m <sup>3</sup>
Long-term - systemic effects, oral	3.2 – 6.3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	49 – 59 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	38 – 75 mg/kg bodyweight/day
Long-term - local effects, inhalation	147 mg/m <sup>3</sup>
PNEC (Water)	
PNEC aqua (freshwater)	8.8 mg/l
PNEC aqua (marine water)	0.88 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	8.14 mg/kg dwt
PNEC sediment (marine water)	3.46 mg/kg dwt
PNEC (Soil)	
PNEC soil	2.8 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	463 mg/l
DISODIUM METASILICATE (6834-92-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	1.49 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	6.22 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.74 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.55 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	0.74 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	7.5 mg/l
PNEC aqua (marine water)	1 mg/l

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DISODIUM METASILICATE (6834-92-0)	
PNEC aqua (intermittent, freshwater)	7.5 mg/l
PNEC (STP)	
PNEC sewage treatment plant	1000 mg/l
POTASSIUM HYDOXIDE (1310-58-3)	
DNEL/DMEL (Workers)	
Long-term - local effects, inhalation	1 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - local effects, inhalation	1 mg/m <sup>3</sup>

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid contact with skin, eyes and clothing. Avoid all unnecessary exposure. Use suitable eye protection and gloves.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Wear eye/face protection. Chemical goggles or safety glasses. EN 166

#### 8.2.2.2. Skin protection

##### Skin and body protection:

If repeated skin contact or contamination of clothing is likely, protective clothing should be worn

##### Hand protection:

Protective gloves. Chemical resistant gloves (according to European standard EN 374 or equivalent). By prolonged exposure : Reusable gloves. If there is a risk of liquid being splashed : Disposable gloves, Reusable gloves. Short term exposure: Disposable gloves, Reusable gloves

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR)	6 (> 480 minutes)	> 0,35 mm (NBR) ; > 0,7 mm (HNBR)		EN 374-3
Disposable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR)	2 (> 30 minutes)	> 0,1 mm		EN 374-3

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

No special protection required where adequate ventilation is maintained

#### 8.2.2.4. Thermal hazards

No additional information available

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### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Consumer exposure controls:

Do not eat, drink or smoke when using this product. The information given in this section is valid for the undiluted product.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Green.
Odour	: Perfumed.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: $\geq 100$ °C
Flammability	: Not applicable.
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: $> 60$ °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 13.47 (20°C)
Viscosity, kinematic	: Not available
Viscosity, dynamic	: $< 50$ mPa·s (20°C)
Solubility	: Material highly soluble in water. Completely soluble.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: $1.065$ g/cm <sup>3</sup> (20°C)
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle characteristics	: No data available

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Thermal decomposition generates : Corrosive vapours.

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of hazardous reactions

Reacts with : Strong acids, strong bases and oxidation agents.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures avoid.



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### 10.5. Incompatible materials

Strong acids. Strong bases. an aluminum.

### 10.6. Hazardous decomposition products

Thermal decomposition or combustion can release carbon oxides and other toxic gases or vapors.

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### 2-BUTOXYETHANOL (111-76-2)

LD50 oral rat	> 400 mg/kg
LD50 oral	1746 mg/kg bodyweight
LD50 dermal rat	1300 – 2270 mg/kg
LD50 dermal rabbit	1000 – 2000 mg/kg
LD50 dermal	435 mg/kg bodyweight
LC50 Inhalation - Rat	> 2.2 mg/l/4h
LC50 Inhalation - Rat (Dust/Mist)	2200 mg/l/4h

#### DISODIUM METASILICATE (6834-92-0)

LD50 oral rat	1152 – 1349 mg/kg
LD50 oral	662 mg/kg bodyweight
LD50 dermal rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 2.06 mg/l air Animal: rat, Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)

#### POTASSIUM HYDROXIDE (1310-58-3)

LD50 oral rat	333 mg/kg
LD50 oral	388 mg/kg bodyweight

#### TRISODIUM ORTHOPHOSPHATE (7601-54-9)

LD50 oral rat	2000 – 7400 mg/kg
LD50 oral	> 2000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg (OECD 402)
LD50 dermal	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 2160 mg/m <sup>3</sup>

#### (R)-P-MENTHA-1,8-DIEN; D-LIMONEEN (5989-27-5)

LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
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Skin corrosion/irritation : Causes severe skin burns.  
pH: 13.47 (20°C)  
Serious eye damage/irritation : Causes serious eye damage.  
pH: 13.47 (20°C)  
Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

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Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)  
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

### DISODIUM METASILICATE (6834-92-0)

NOAEL (animal/female, F0/P) > 159 mg/kg bodyweight Animal: rat, Animal sex: female

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

### DISODIUM METASILICATE (6834-92-0)

STOT-single exposure May cause respiratory irritation.

### TRISODIUM ORTHOPHOSPHATE (7601-54-9)

STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

No additional information available

### 11.2.2. Other information

Other information : The statements are derived from the properties of the single components. No toxicological data is available for the product as such

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Additional information : The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

### 2-BUTOXYETHANOL (111-76-2)

LC50 - Fish [1] 1700 mg/l (24h, Carassius auratus (goldfish))

LC50 - Fish [2] 1474 mg/l (96h, Oncorhynchus mykiss (Rainbow trout))

EC50 - Crustacea [1] 1550 mg/l (48h)

EC50 - Other aquatic organisms [2] 911 mg/l IC50 algae (72h)

EC50 72h - Algae [1] 911 mg/l (Pseudokirchneriella subcapitata)

NOEC chronic crustacea > 100 mg/l Daphnia magna (Water flea)(OECD 211 method) 21d

NOEC chronic algae > 280 mg/l Pseudokirchneriella subcapitata (OECD 201 method)

### DISODIUM METASILICATE (6834-92-0)

LC50 - Fish [1] 210 mg/l (96h, Brachydanio rerio (zebra-fish))

EC50 - Crustacea [2] 1700 – 4857 mg/l (48h)

EC50 - Other aquatic organisms [2] > 1000 mg/l (Bacteriacea, (OECD 209 method))

### POTASSIUM HYDROXIDE (1310-58-3)

LC50 - Fish [1] 45.4 – 80 mg/l 96h, min:Oncorhynchus mykiss (Rainbow trout)/ max: Gambusia affinis (Mosquito fish)

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POTASSIUM HYDOXIDE (1310-58-3)	
LC50 - Fish [2]	80 mg/l (96h)
EC50 - Crustacea [1]	40 – 40.4 (48h, min: aquatic invertebrates / max: Ceriodaphnia dubia)
EC50 - Crustacea [2]	40 – 240 (48h)
TRISODIUM ORTHOPHOSPHATE (7601-54-9)	
LC50 - Fish [1]	> 100 mg/l (96h, Oncorhynchus mykiss (Rainbow trout), OECD 203)
EC50 - Crustacea [1]	> 100 mg/l (48h, Daphnia magna (Water flea), OECD 202)
EC50 72h - Algae [1]	> 100 mg/l (72h, Desmodesmus Subspicatus, OECD 201)
(R)-P-MENTHA-1,8-DIEEN; D-LIMONEEN (5989-27-5)	
LC50 - Fish [1]	720 µg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	0.36 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	≈ 8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (chronic)	0.115 mg/l Test organisms (species): other: For freshwater invertebrates, species frequently include Daphnia magna or Daphnia pulex. Duration: '16 d'

### 12.2. Persistence and degradability

PROFI REINIGER CONCENTRATE (10 L - 20 L - 200 L)	
Persistence and degradability	May cause long-term adverse effects in the environment. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
2-BUTOXYETHANOL (111-76-2)	
Biodegradation	90.4 – 95 % ( min/day 28d (OECD 301E method))
(R)-P-MENTHA-1,8-DIEEN; D-LIMONEEN (5989-27-5)	
Biodegradation	72 – 83.4 % (OECD 301 B)

### 12.3. Bioaccumulative potential

PROFI REINIGER CONCENTRATE (10 L - 20 L - 200 L)	
Bioaccumulative potential	Not established.
DISODIUM METASILICATE (6834-92-0)	
Partition coefficient n-octanol/water (Log Pow)	-5.65
POTASSIUM HYDOXIDE (1310-58-3)	
Partition coefficient n-octanol/water (Log Kow)	- 3,88
TRISODIUM ORTHOPHOSPHATE (7601-54-9)	
Partition coefficient n-octanol/water (Log Pow)	-7.64

### 12.4. Mobility in soil

PROFI REINIGER CONCENTRATE (10 L - 20 L - 200 L)	
Mobility in soil	No information available

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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Other adverse effects : Avoid release to the environment.






## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : This material and its container must be disposed of in a safe way, and as per local legislation. Product as it is : Chemical refuse. To be disposed of as hazardous waste. Empty containers can be dumped after cleaning according to local legislation. Recycling is preferred to disposal or incineration. Empty the packaging completely prior to disposal. Wash away remainder with plenty of water.  
Ecology - waste materials : Avoid release to the environment.  
European List of Waste (LoW) code : 20 01 29\* - detergents containing dangerous substances

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
UN 1719	UN 1719	UN 1719	UN 1719	UN 1719
<b>14.2. UN proper shipping name</b>				
CAUSTIC ALKALI LIQUID, N.O.S. (DISODIUM METASILICATE ; POTASSIUM HYDOXIDE)	CAUSTIC ALKALI LIQUID, N.O.S. (DISODIUM METASILICATE ; POTASSIUM HYDOXIDE)	Caustic alkali liquid, n.o.s. (DISODIUM METASILICATE ; POTASSIUM HYDOXIDE)	CAUSTIC ALKALI LIQUID, N.O.S. (DISODIUM METASILICATE ; POTASSIUM HYDOXIDE)	CAUSTIC ALKALI LIQUID, N.O.S. (DISODIUM METASILICATE ; POTASSIUM HYDOXIDE)
<b>Transport document description</b>				
UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (DISODIUM METASILICATE ; POTASSIUM HYDOXIDE), 8, III, (E)	UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (DISODIUM METASILICATE ; POTASSIUM HYDOXIDE), 8, III	UN 1719 Caustic alkali liquid, n.o.s. (DISODIUM METASILICATE ; POTASSIUM HYDOXIDE), 8, III	UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (DISODIUM METASILICATE ; POTASSIUM HYDOXIDE), 8, III	UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (DISODIUM METASILICATE ; POTASSIUM HYDOXIDE), 8, III
<b>14.3. Transport hazard class(es)</b>				
8	8	8	8	8
				
<b>14.4. Packing group</b>				
III	III	III	III	III

# PROFI REINIGER CONCENTRATE (10 L - 20 L - 200 L)

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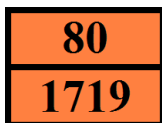
according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA	ADN	RID
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
Not environmentally hazardous.				

## 14.6. Special precautions for user

### Overland transport

Classification code (ADR)	: C5
Special provisions (ADR)	: 274
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T7
Portable tank and bulk container special provisions (ADR)	: TP1, TP28
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Hazard identification number (Kemler No.)	: 80
Orange plates	:



Tunnel restriction code (ADR)	: E
EAC code	: 2R

### Transport by sea

Special provisions (IMDG)	: 223, 274
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP1, TP28
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: A
Segregation (IMDG)	: SGG18, SG22, SG35
Properties and observations (IMDG)	: Reacts violently with acids. Reacts with ammonium salts, evolving ammonia gas. Causes burns to skin, eyes and mucous membranes.
MFAG-No	: 154

### Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y841
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 852
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3, A803
ERG code (IATA)	: 8L

### Inland waterway transport

Classification code (ADN)	: C5
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Special provisions (ADN)	: 274
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0

### Rail transport

Classification code (RID)	: C5
Special provisions (RID)	: 274
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T7
Portable tank and bulk container special provisions (RID)	: TP1, TP28
Tank codes for RID tanks (RID)	: L4BN
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 80

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

IBC code	: 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-Regulations

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	(R)-P-MENTHA-1,8-DIEEN; D-LIMONEEN	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	PROFI REINIGER CONCENTRATE (10 L - 20 L - 200 L) ; 2-BUTOXYETHANOL ; POTASSIUM OLEATE ; 3-(3-COCAMIDO-PROPYL) DIMETHYLAMMONIUM-2-HYDROXYPROPANE SULFATE (INCI:COCAMIDOPROPYL HYDROXYSULTAINE) ; ALCOHOL C9-11, ETHOXYLATED ; TRISODIUM ORTHOPHOSPHATE ; (R)-P-MENTHA-1,8-DIEEN; D-LIMONEEN	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

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EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(c)	PROFI REINIGER CONCENTRATE (10 L - 20 L - 200 L) ; (R)-P-MENTHA-1,8-DIEEN; D-LIMONEEN	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	(R)-P-MENTHA-1,8-DIEEN; D-LIMONEEN	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Other information, restriction and prohibition regulations : Allergenic fragrances > 0,01%. Citral. Geraniol. (R)-p-mentha-1,8-diene; d-limonene. Detergent Regulation (648/2004/EC): Labelling of contents. amphoteric surfactants. phosphates. EDTA and salts thereof. Non-ionic surfactants. soap. < 5%.

Detergent Regulation (648/2004/EC): Ingredient data sheet:		
Component	CAS-No.	%
WATER	7732-18-5	≥10%
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	111-76-2	1 - 10%
POTASSIUM OLEATE	143-18-0	1 - 10%
3-(3-COCAMIDO-PROPYL) DIMETHYLAMMONIUM-2-HYDROXYPROPANE SULFATE (INCI:COCAMIDOPROPYL HYDROXSULTAINE)	68139-30-0	1 - 10%
ALCOHOL C9-11, ETHOXYLATED	68439-46-3	1 - 10%
DISODIUM METASILICATE	6834-92-0	1 - 10%
POTASSIUM HYDROXIDE	1310-58-3	1 - 10%
TRISODIUM ORTHOPHOSPHATE	7601-54-9	0.1 - 1%
(R)-p-mentha-1,8-diene; d-limonene	5989-27-5	0.1 - 1%

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

### 15.1.2. National regulations

France	
Occupational diseases	
Code	Description: Cleaning agent
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamide; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

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### Germany

- Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)
- Water hazard class (WGK) 2 : WGK: 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)
- Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

### Netherlands

- ABM category : A(3) - hazardous for aquatic organisms, may have longterm hazardous effects in aquatic environment
- SZW-lijst van kankerverwekkende stoffen : None of the components are listed
- SZW-lijst van mutagene stoffen : None of the components are listed
- SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed
- SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed
- SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

### Denmark

- Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed
- Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Indication of changes:

This sheet has been revised completely (changes were not marked).

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Dose leading to death in 50% of a test population (median lethal dose)
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration



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### Abbreviations and acronyms:

NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Data sources	: Information from our suppliers, such as data from "Registered Substances Database" of the European Chemicals Agency (ECHA) is used to compile the safety data sheet. Classification procedure: . Health and Environmental Hazards: The method for classifying mixtures based on the components of the mixture (sum formula). Physical and Chemical Properties: Classification is based on the results of the mixtures tested.
Other information	: <b>DISCLAIMER OF LIABILITY</b> The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

### Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
EUH208	Contains (R)-P-MENTHA-1,8-DIEEN; D-LIMONEEN. May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.

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Full text of H- and EUH-statements:	
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.