

## Bio P-cleaner

Version 1.0 issued on 17/07/2023

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# Bio P-cleaner

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product

Trade name	Bio P-cleaner
Synonyms	
Product form	Mixture
Type of product	Cleaner

### Relevant uses of the substance or mixture

Cleaning, care, and maintenance of P-surface 141

### Supplier

Firma: PPprint GmbH  
Gottlieb-Keim-Straße 60, 95448 Bayreuth  
Deutschland  
E-Mail: [office@ppprint.de](mailto:office@ppprint.de)

### Emergency number

Poison control center:  
Charité, Berlin  
DE: +49 30 19240  
24 hours all days

## 2. Hazards identification

### Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 [CLP]

### Information pertaining to particular dangers for man and environment:

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### Classification system:

Labelling according to Regulation (EC) No. 1272/2008 [CLP] is not applicable.

### Other hazards

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 at a concentration equal to or greater than 0,1 %

## 3. Composition/information on ingredients

### Substances

Not applicable

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**Mixtures**

Names	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethanol	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610- 43	5 - 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Alkyl glycosides C8-C10	CAS-No.: 68515-73-1 EC-No.: 500-220-1 REACH-no: 01-2119488530- 36	5 - 10	Eye Dam. 1, H318
N,N-dimethyl 9-decenamide	CAS-No.: 1356964-77-6	2 - 4	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 STOT SE 3, H335 Aquatic Chronic 3, H412

**Additional information:** For the wording of the listed risk phrases refer to section 16.

**4. First aid measures**

**Eye Contact:** Flush with clean water for 15minutes. If irritation persists, obtain medical attention.

**Skin Contact:** Wash off with soap and water.

**Inhalation:** Remove to fresh air and keep comfortable for breathing. If symptoms persist, seek medical advice.

**Ingestion:** Call a poison center or a doctor if you feel unwell.

**Most important symptoms and effects, both acute and delayed**

No additional information available

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

Treat symptomatically.

**5. Fire-fighting measures****Suitable extinguishing media**

Foam, Dry Powder, CO<sub>2</sub>, Sand, Earth, Water Spray suitable

**Unsuitable extinguishing media**

None known.

**Special Hazards caused by the material, its products of combustion or flue gases**

Not classed as flammable but inherently combustible. Hazardous decomposition products and toxic fumes may be released in case of fire

**Protective equipment**

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

**6. Accidental release measures****Personal safety precautions, protective equipment and emergency procedures**

Remove ignition sources. Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves.

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### Environmental precautions

Avoid release to the environment and prevent from spreading (e.g. by dusting a ring of chemical binder).

### Methods for cleaning/collecting

Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery.

Dispose only in accordance with Local Authority regulations, via authorized waste disposal agent. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

## 7. Handling and storage

**Advice on safe handling:** Use only in well-ventilated areas. Wear personal protective equipment. Keep in tightly closed containers. Take note of emission threshold. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

**Storage:** Keep cool. Store between 10-30°C. Store in a well-ventilated place.

### Information about storage in a common storage facility:

Store in a cool dry place away from heat or sources of combustion.

**Specific end uses:** To be used as cleaner for P-surface 141. No additional information is available.

## 8. Exposure controls/personal protection

### National occupational exposure and biological limit values

Ethanol (64-17-5)	
VME (OEL TWA)	1900 mg/m <sup>3</sup>
VME (OEL TWA) [ppm]	1000 ppm
VLE (OEL C/STEL)	9500 mg/m <sup>3</sup>
VLE (OEL C/STEL) [ppm]	5000 ppm
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Ethanol
AGW (OEL TWA) [1]	380 mg/m <sup>3</sup>
AGW (OEL TWA) [2]	200 ppm
Peak exposure limitation factor	2(II)
Remark	DFG;Y
Regulatory reference	TRGS900
Netherlands - Occupational Exposure Limits	
Local name	Ethanol

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TGG-8u (OEL TWA)	260 mg/m <sup>3</sup>
TGG-15min (OEL STEL)	1900 mg/m <sup>3</sup>
Remark	Carcinogen H (Skin absorption) substances that can be relatively easily absorbed through the skin, which may contribute substantially to total internal exposure, have an H designation in the list. With these substances, adequate measures to prevent skin contact should be taken in addition to measures against inhalation.
Regulatory reference	Working Conditions Regulation 2020

### Recommended monitoring procedures:

No additional information available.

### Air contaminants formed:

No additional information available.

### DNEL and PNEC

<b>Ethanol (64-17-5)</b>	
<b>DNEL/DMEL (Workers)</b>	
Acute - local effects, inhalation	1900 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	950 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Acute - local effects, inhalation	950 mg/m <sup>3</sup>
Long-term - systemic effects, oral	87 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	114 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	206 mg/kg bodyweight/day
<b>Ethanol (64-17-5)</b>	
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.96 mg/l
PNEC aqua (marine water)	0.79 mg/l
PNEC aqua (intermittent, freshwater)	2.75 mg/l
PNEC aqua (intermittent, marine water)	2.75 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	3.6 mg/kg dwt
PNEC sediment (marine water)	2.9 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0.63 mg/kg dwt

### Control banding:

No additional information available.

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### Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

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



**Eye and face protection:** Safety glasses

**Skin and body protection:** Wear suitable protective clothing

**Hand protection:** Protective gloves

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment

**Thermal hazards:** No additional information available

#### Environmental exposure controls:

Avoid release to the environment.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:	amber to brown fluid
Odor:	characteristic
Flash point:	35 – 60 °C
pH:	10 – 11
Viscosity:	-
Vapor pressure	-
Density:	(Water=100) >1
Specific Gravity @ 20°C:	0.870 typical
Solubility	Miscible with water
Melting point	-
Freezing point	-
Boiling point	-
Flammability	-
Explosive limits	-

### Other information

Not sustained combustibility: Yes.

## 10. Stability and reactivity

**Reactivity:** The product is non-reactive under normal conditions of use, storage, and transport.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** No dangerous reactions known under normal conditions of use.

**Conditions to Avoid:** Protect against naked flames, hot surfaces, and other high-temperature sources.

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**Materials to Avoid:** Strong oxidizing agents.**Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.**11. Toxicological information****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

<b>N,N-dimethyl 9-decenamide (1356964-77-6)</b>	
LD50 oral rat	550 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
Skin corrosion/irritation:	Not classified pH: 10 – 11
Serious eye damage/irritation:	Not classified pH: 10 – 11
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified
Aspiration hazard:	Not classified
<b>Information on other hazards</b>	
No additional information available	

**12. Ecological information****Eco-toxicity:** The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.**Persistence and Degradability:** The components of the product exhibit moderate to good biodegradability.**Bio-accumulative Potential:** Not expected to bio-accumulate.**Mobility in soil:** No additional information available**Results of PBT and vPvB assessment:** No additional information available**Endocrine disrupting properties:** No additional information available**Other adverse effects:** No additional information available**13. Disposal considerations**

Product should be disposed of via an authorized waste disposal contractor in accordance with all local and national regulations. Dispose of empty containers in accordance with local and national regulations. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

**14. Transport information**

Product is not classified as hazardous for transport.

**15. Regulatory information**

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

**EU-Regulations**

**REACH Annex XVII (Restriction List)**

Contains no REACH substances with Annex XVII restrictions

**REACH Annex XIV (Authorisation List)**

Contains no REACH Annex XIV substances

**REACH Candidate List (SVHC)**

Contains no substance on the REACH candidate list

**PIC Regulation (Prior Informed Consent)**

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.

**OP Regulation (Persistent Organic Pollutants)**

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.

**Ozone Regulation (1005/2009)**

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.

**Explosives Precursors Regulation (2019/1148)**

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.

**Drug Precursors Regulation (273/2004)**

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

**National regulations**

**France**

<b>Occupational diseases</b>	
Code	Description
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 dimethylacetamine; 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): WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).

Hazardous Incident Ordinance: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

### Netherlands

ABM category : B(4) - low hazard for aquatic organisms

SZW-lijst van kankerverwekkende stoffen : Ethanol is listed

SZW-lijst van mutagene stoffen : None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : Ethanol is listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : Ethanol is listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : Ethanol is listed

### Chemical safety assessment

No chemical safety assessment has been carried out

## 16. Other information

Do not mix with other chemicals.

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



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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	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
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: ECHA (European Chemicals Agency). Supplier's safety documents. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information: According to paragraph 2.6.4.5 in Annex I to Regulation (EC) No 1272/2008, liquids with a flash point of more than 35 °C need not be classified in Category 3 if negative results have been obtained in the sustained combustibility test L.2, Part III, section 32 of the UN Manual of Tests and Criteria. This is however not valid under elevated conditions such as high temperature or pressure, and therefore such liquids are included in this entry.

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Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Author: PPprint GmbH, Gottlieb-Keim-Straße 60, 95448 Bayreuth, Phone: +49 1601621202

End of material safety data sheet