

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : GroClean Bio  
Product code : 1610900

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use  
Use of the substance/mixture : Cleaning product.

##### 1.2.2. Uses advised against

No additional information available

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

Gröninger Cleaning Systems B.V.  
Overschiezeweg 111  
3044 EH Rotterdam - Nederland  
T 0031 10 437 1022 - F 0031 10 462 2432  
[info@groninger.nl](mailto:info@groninger.nl) - [www.groninger.eu](http://www.groninger.eu)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Netherlands	Nationaal Vergiftigingen Informatie Centrum	Huispostnummer B.00.118 Postbus 85500 3508 GA Utrecht	+31 30 274 88 88	Only for the purpose of informing medical personnel in cases of acute intoxications

### SECTION 2: Hazards identification

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

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

Aspiration hazard, Category 1 H304  
Full text of H-statements: see section 16

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

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS08

Signal word (CLP) : Danger  
Hazardous ingredients : Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, aromatics <2%  
Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways.  
Precautionary statements (CLP) : P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331 - Do NOT induce vomiting.  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulation.  
EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

# GroClean Bio

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, aromatics <2%	(EC-No.) 918-481-9 (REACH-no) 01-2119457273-39	> 30	Asp. Tox. 1, H304

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Take to hospital.
First-aid measures after skin contact	: Remove contaminated clothing immediately. Rinse with plenty of water. Take to hospital.
First-aid measures after eye contact	: First prolonged rinsing with water (contact lenses to be removed if this is easily done), then take to a doctor.
First-aid measures after ingestion	: Rinse mouth out with water. Do NOT induce vomiting. Take to hospital.

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

Symptoms/effects after inhalation	: Unconsciousness. Dizziness. Headache. Nausea. Drowsiness.
Symptoms/effects after skin contact	: Pain. Redness.
Symptoms/effects after eye contact	: Pain. Redness. Blurred vision.
Symptoms/effects after ingestion	: Vomiting. abdominal cramps. Diarrhea. Headache. Drowsiness.

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

None.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Powder. CO2. Foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

Fire hazard	: None.
Explosion hazard	: None.

### 5.3. Advice for firefighters

No additional information available

## SECTION 6: Accidental release measures

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

General measures	: Do not touch spilled material. Do not breathe vapour. Do not breathe fumes. Do not breathe spray. Remove contaminated clothing and shoes.
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#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Do not flush into surface water or sewer system.

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

For containment	: Absorb the product onto porous material.
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### 6.4. Reference to other sections

See Headings 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Handle carefully. Avoid spillage.
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### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep container tightly closed and in well ventilated place. Keep out of frost.
Incompatible materials	: None.
Packaging materials	: Suitable packing materials Plastic, Metal.

### 7.3. Specific end use(s)

Cleaning product.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Personal protective equipment:

Protective clothing. Gloves. Safety glasses.

##### Hand protection:

Nitrile rubber gloves (EN 374). Breakthrough time: > 480 Min. Layer thickness : 0,35mm. Always wash hands after handling the product

##### Eye protection:

Safety glasses

##### Skin and body protection:

Impermeable clothing

##### Respiratory protection:

Ensure adequate air ventilation. In case of insufficient ventilation, wear suitable respiratory equipment

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



### SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Clear.
Colour	: Colourless.
Odour	: Characteristic.
Odour threshold	: No data available
pH	: Not applicable
pH solution	: Not applicable
Relative evaporation rate (butylacetate=1)	: 0.04
Relative evaporation rate (ether=1)	: No data available
Melting point	: /.
Freezing point	: No data available
Boiling point	: 187 - 211 °C
Flash point	: 61 °C
Auto-ignition temperature	: 255 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: 100 hPa @ 20°C.
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Density	: 0.791 kg/l @ 20°C.
Solubility	: Water: Insoluble.
Log Pow	: No data available
Viscosity, kinematic	: 1 mm <sup>2</sup> /s at 20 °C
Viscosity, dynamic	: 1 mPa·s at 20 °C
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 0.7 - 6 vol %

#### 9.2. Other information

VOC content : 100 %

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

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### 10.2. Chemical stability

Extremely high or low temperatures.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

### 10.5. Incompatible materials

Acids. Bases. Oxidizing agents. Reducing agents.

### 10.6. Hazardous decomposition products

Avoid ignition sources.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

GroClean Bio	
LD50 oral rat	/.

### Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, aromatics <2%

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 50 mg/l/4h

Skin corrosion/irritation	: Not classified pH: Not applicable
Serious eye damage/irritation	: Not classified pH: Not applicable
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.

GroClean Bio	
Viscosity, kinematic	1 mm <sup>2</sup> /s at 20 °C

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : No data available.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

### Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, aromatics <2%

LC50 fish 1	10 - 100 mg/l
EC50 Daphnia 1	100 mg/l (daphnia magna)
EC50 72h algae (1)	1000 mg/l (Pseudokirchneriella subcapitata)
EC50 96h algae (1)	1000 mg/l (Oncorhynchus mykiss)
NOEC (acute)	0.1 - 1 mg/l
NOEC chronic crustacea	0.28 mg/l (Daphnia, 21d)

### 12.2. Persistence and degradability

GroClean Bio	
Persistence and degradability	No additional information available.

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### 12.3. Bioaccumulative potential

#### GroClean Bio

Bioaccumulative potential : No supplementary information available.

### 12.4. Mobility in soil

#### GroClean Bio

Ecology - soil : WGK 1.

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information : No supplementary information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Comply with local regulations for disposal.  
Waste treatment methods : Do not discharge into drains.  
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.

## SECTION 14: Transport information

In accordance with ADR

### 14.1. UN number

UN-No. (ADR) : Not regulated

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not regulated

### 14.4. Packing group

Packing group (ADR) : Not regulated

### 14.5. Environmental hazards

Dangerous for the environment : No  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Not regulated

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions  
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.  
Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

VOC content : 100 %

#### 15.1.2. National regulations

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed  
SZW-lijst van mutagene stoffen : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

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NIET-limitatieve lijst van voor de voortplanting : None of the components are listed  
giftige stoffen – Ontwikkeling

### 15.2. Chemical safety assessment

No data available

## SECTION 16: Other information

### Indication of changes:

Section	Changed item	Change	Comments
9.2			

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

Asp. Tox. 1	Aspiration hazard, Category 1
H304	May be fatal if swallowed and enters airways.
EUH066	Repeated exposure may cause skin dryness or cracking.

SDS EU (REACH Annex II)

*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.*