



# Aequator Coffee Machine Cleaning Tabs

Version number: 1.0

Issued: 2023-01-27

Replaces SDS: 2023-01-27

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

### 1.1. Product identifier

**Trade name**

CoFiClean Coffee Machine Cleaning Tabs

**UFI code**

HPVH-RSM3-MS0G-FVE7

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

**Relevant identified uses**

Cleaning tablets for coffee machines  
Private user, consumer

**Not suitable for use in**

All other uses are discouraged.

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

**Supplier**

PURGATEC AG

Street address

Firststr. 30 A  
8835 Feusisberg  
Switzerland

Telephone

+41 (0) 44 515 35 66

Email

info@purgatec.ch

Fax

+41 (0) 44 515 35 69

Web site

<https://www.purgatec.ch/>

**Contact person**

Regulatory Affairs

**Email address**

info@purgatec.ch



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0

Issued: 2023-01-27

Replaces SDS: 2023-01-27

## 1.4. Emergency telephone number

+49 (0) 5223 9970-0 (Mo. - Fr. 9:00 - 15:30)

### Available outside office hours

No

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

#### Classification

Eye irritation, hazard category 2

#### Hazard statements

H319

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

#### Hazard pictograms



#### Signal word

Warning

#### Hazard statements

H319 Causes serious eye irritation.

#### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P264 Wash hands thoroughly after handling.

P280.3 Wear eye protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

### 2.3. Other hazards

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0

Issued: 2023-01-27

Replaces SDS: 2023-01-27

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrases M factor acute M factor chronic	Note
sodium carbonate	497-19-8 207-838-8 01-2119485498- 19-xxxx 011-005-00-2	10 - 30%	Eye Irrit. 2	H319 - -	-
sodium percarbonate	15630-89-4 239-707-6 01-2119457268- 30-xxxx -	15 - <25%	Ox. Sol. 3, Acute Tox. 4 - oral, Eye Dam. 1	H272, H302, H318 - -	Eye Dam.1 >25% Eye Irrit.2 ≥7,5%- <25%
adipic acid	124-04-9 204-673-3 01-2119457561- 38-xxxx 607-144-00-9	5 - 15%	Eye Irrit. 2	H319 - -	-

#### Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Description of first aid measures

First responders: Pay attention to self-protection.

#### Inhalation

Not applicable

#### Skin contact

In case of contact, immediately flush skin with plenty of water. If skin irritation persists, call a physician.



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0

Issued: 2023-01-27

Replaces SDS: 2023-01-27

## **Eye contact**

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

## **Ingestion**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If symptoms persist, call a physician.

## **Information for doctors**

Show this safety data sheet to the doctor in attendance.

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

Immediate effects can be expected after long-term exposure.

## **Inhalation**

Not applicable

## **Skin contact**

Causes skin irritation.

## **Eye contact**

May cause eye irritation. redness / excessive lachrymation / blurred vision

## **Ingestion**

nausea

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

Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

The product is not flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. water spray, extinguishing powder, foam or carbon dioxide .

#### **Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

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

No data available



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0

Issued: 2023-01-27

Replaces SDS: 2023-01-27

## 5.3. Advice for firefighters

### **Special protective equipment for fire-fighters**

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

### **Measures in case of fire**

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## SECTION 6: Accidental release measures

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

Wear personal protective equipment. Avoid direct contact with the material / product.

### 6.2. Environmental precautions

No special environmental precautions required.

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

Use mechanical handling equipment.

### 6.4. Reference to other sections

For information on storage and handling see section 7.

For information on exposure and personal protective equipment, see Section 8.

For information on incompatible materials, see Section 10.

For information on disposal see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### **Preventive handling precautions**

Wear personal protective equipment. Avoid direct contact with the material / product.

#### **General hygiene**

When using, do not eat, drink or smoke.

Wash hands before breaks and immediately after handling the product.

Handle in accordance with good industrial hygiene and safety practice.



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0  
Issued: 2023-01-27  
Replaces SDS: 2023-01-27

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

Store in original container. Keep away from food, drink and animal feeding stuffs. Store in a place accessible by authorized persons only.

Storage class according to TRGS 510: 13 (non-combustible solids)

Storage temperature: 10°C to 40°C

## 7.3. Specific end use(s)

See section 1.2: Cleaning tablets

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
sodium percarbonate (15630-89-4/239-707-6)	DNEL	Chronic (long term) Inhalation	5 mg/m <sup>3</sup>	Workers	Local
sodium percarbonate (15630-89-4/239-707-6)	DNEL	Chronic (long term) Dermal	12.8 mg/cm <sup>2</sup>	Workers	Local
sodium carbonate (497-19-8/207-838-8)	DNEL	Chronic (long term) Inhalation	10 mg/m <sup>3</sup>	Workers	Local
adipic acid (124-04-9/204-673-3)	DNEL	Chronic (long term) Inhalation	264 mg/m <sup>3</sup>	Workers	Systemic
adipic acid (124-04-9/204-673-3)	DNEL	Chronic (long term) Oral	19 mg/kg	Consumers	Systemic
adipic acid (124-04-9/204-673-3)	DNEL	Chronic (long term) Dermal	19 mg/kg	Consumers	Systemic
adipic acid (124-04-9/204-673-3)	DNEL	Chronic (long term) Dermal	38 mg/kg	Workers	Systemic

#### PNEC/PEC



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0

Issued: 2023-01-27

Replaces SDS: 2023-01-27

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
sodium percarbonate (15630-89-4/239-707-6)	PNEC	Freshwater	0.035 mg/l
sodium percarbonate (15630-89-4/239-707-6)	PNEC	Marine water	0.035 mg/l
sodium percarbonate (15630-89-4/239-707-6)	PNEC	Sediment	0.01 mg/l
adipic acid (124-04-9/204-673-3)	PNEC	Marine water	0.013 mg/l
adipic acid (124-04-9/204-673-3)	PNEC	Sewage Treatment Plant	59.1 mg/l
adipic acid (124-04-9/204-673-3)	PNEC	Sediment (marine water)	0.048 mg/kg
adipic acid (124-04-9/204-673-3)	PNEC	Soil	0.023 mg/kg

## 8.2. Exposure controls

### Eye / face protection

Chemical-resistant safety glasses with side protection conforming to EN166.

### Hand protection

Protective gloves complying with EN 374.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

### Other skin protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

### Respiratory protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

### Thermal hazards

Not applicable



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0

Issued: 2023-01-27

Replaces SDS: 2023-01-27

## SECTION 9: Physical and chemical properties

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

**Physical state**

Solid

**Colour**

white tablet with blue speckles

**Odour**

characteristic

**Odour threshold**

Not determined for the mixture.

**Melting point / freezing point**

Not determined for the mixture.

**Boiling point or initial boiling point and boiling range**

Not determined for the mixture.

**Flammability**

Not applicable.

**Lower and upper explosion limit**

The product / mixture has no explosive properties.

**Flash point**

No data available

**Auto-ignition temperature**

Not applicable.

**Decomposition temperature**

Not determined for the mixture.

**pH**

10 - 11

**Method**

1 % aqueous solution

**Kinematic viscosity**

Not determined for the mixture.

**Viscosity, dynamic**

Not determined for the mixture.



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0

Issued: 2023-01-27

Replaces SDS: 2023-01-27

## **Solubility**

Water soluble

## **Water solubility**

Miscibility

## **Partition coefficient n-octanol/water**

Not determined for the mixture.

## **Vapour pressure**

Not determined for the mixture.

## **Density and/or relative density**

1 - 1.1 kg/dm<sup>3</sup>

## **Method**

Bulk density

## **Relative vapour density**

Not determined for the mixture.

## **Evaporation Rate**

Not determined for the mixture.

## **Explosive properties**

The product / mixture has no explosive properties.

## **Oxidising properties**

The product / mixture has no oxidizing properties.

## **VOC %**

< 3 %

## **Particle characteristics**

This product / mixture does not contain any nanomaterials or nanoforms as defined in Regulation (EC) 1907/2006.

## **9.2. Other information**

No data available

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Stable at normal conditions



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0

Issued: 2023-01-27

Replaces SDS: 2023-01-27

## 10.2. Chemical stability

The product is chemically stable.

## 10.3. Possibility of hazardous reactions

None under normal use.

## 10.4. Conditions to avoid

Avoid moisture. Keep away from heat.

## 10.5. Incompatible materials

/\*to be used after: "Specific hazards:"\*/None known

## 10.6. Hazardous decomposition products

For information on combustion products, see Section 5.

Hazardous decomposition products formed under fire conditions.

## SECTION 11: Toxicological information

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

#### Acute toxicity

Based on the available data, the classification criteria are not met. Toxicology data for the components :

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
sodium percarbonate 15630-89-4 / 239-707-6	LD50	1.034-2.000 mg/kg	Oral	-	rat	-	-
sodium percarbonate 15630-89-4 / 239-707-6	LD50	> 2000 mg/kg	Dermal	-	rabbit	-	-
sodium carbonate 497-19-8 / 207-838-8	LD50	2.800 mg/kg	Oral	-	rat	-	-
sodium carbonate	LD50	>2.000mg/kg	Dermal	-	rabbit	-	-



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0  
Issued: 2023-01-27  
Replaces SDS: 2023-01-27

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
497-19-8 / 207-838-8							
adipic acid 124-04-9 / 204-673-3	LD50	5560 mg/kg	Oral	-	rat	OECD 401	ECHA
adipic acid 124-04-9 / 204-673-3	LC0	>7,7 mg/l	Inhalativ	4h	rat	OECD 403	ECHA

**Skin corrosion/irritation**

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

**Serious eye damage/irritation**

Eye irritation, hazard category 2

**Respiratory or skin sensitisation**

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

**Germ cell mutagenicity**

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

**Carcinogenicity**

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

**Reproductive toxicity**

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

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

## 11.2. Information on other hazards

**Endocrine disrupting properties**

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0

Issued: 2023-01-27

Replaces SDS: 2023-01-27

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Remark
sodium percarbonate 15630-89-4 / 239- 707-6	LC50	70,7 mg/l	96 h	Pimephales promelas	-
sodium carbonate 497-19-8 / 207-838- 8	LC50	300 mg/l	96h	Lepomis macrochirus	-
adipic acid 124-04-9 / 204-673- 3	LC0	>1.000 mg/l	96h	Danio rerio	ECHA

#### Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
sodium percarbonate 15630-89-4 / 239-707-6	EC50	2,5 mg/l	-	C. vulgaris	-	-
adipic acid 124-04-9 / 204- 673-3	ErC50	59 mg/l	72h	Pseudokirchneri ella subcapitata	OECD 201	ECHA

#### Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
adipic acid	LC50	46 mg/l	48h	Daphnia magna	OECD 202	ECHA



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0

Issued: 2023-01-27

Replaces SDS: 2023-01-27

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
124-04-9 / 204- 673-3				(Water flea)		
sodium percarbonate 15630-89-4 / 239-707-6	EC50	4,9 mg/l	48 h	Daphnia magna (Water flea)	-	-
sodium carbonate 497-19-8 / 207- 838-8	EC50	200-227 mg/l	48h	Ceriodaphnia dubia	-	-

## 12.2. Persistence and degradability

No data available

## 12.3. Bioaccumulative potential

No data available

## 12.4. Mobility in soil

### Mobility

No information available

## 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

## 12.6. Endocrine disrupting properties

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

## 12.7. Other adverse effects

### Other adverse effects

This product / mixture does not contain any substances within the meaning of Regulation (EC) No. 1005/2009 that deplete the ozone layer.



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0

Issued: 2023-01-27

Replaces SDS: 2023-01-27

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal considerations

In accordance with local and national regulations.

Waste code	Waste description
20 01 29*	detergents containing hazardous substances

Please note - an asterisk (\*) next to a code denotes that it is HAZARDOUS WASTE.

## SECTION 14: Transport information

### 14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

### 14.2. UN proper shipping name

#### ADR / RID / ADN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

### 14.3. Transport hazard class(es)

#### Label

Not classified as dangerous in the meaning of transport regulations.

### 14.4. Packing group

Not classified as dangerous in the meaning of transport regulations.

### 14.5. Environmental hazards

#### Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

### 14.6. Special precautions for user

#### Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

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

Not applicable

### Other

Not applicable



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0

Issued: 2023-01-27

Replaces SDS: 2023-01-27

## SECTION 15: Regulatory information

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

#### EU regulations

Regulation (EC) No. 648/2004 (detergents)

Ingredients according to Annex VII: 15%-30% oxygen-based bleaching agents , >30% phosphates .

Regulation (EC) No. 1272/2008 (CLP)

Regulation (EC) No. 1907/2006 (REACH)

Substances subject to authorization according to Annex XIV: No

Substance restrictions according to Annex XVII: No

Substances on the REACH candidate list (SVHC): No

Regulation (EU) No. 528/2012 (BPR)

Active ingredients: not applicable

Regulation (EU) 2019/1148 (explosives)

Restricted raw material according to Annex I: not applicable

Notifiable raw materials according to Annex II: not applicable

Directive 2011/65 / EU (ROHS 2)

Substance restrictions according to Annex II: not applicable

Regulation (EU) 2019/1021 (POP)

Persistent organic pollutants: not applicable

Directive 2012/18/EU (Seveso III)

Seveso hazard category: not applicable

#### National regulations

In addition, comply with all national and local regulations for the handling of chemicals.

#### Other regulations, limitations and legal regulations

Take note of Dir 94/33/EC on the protection of young people at work.

### 15.2. Chemical safety assessment

The mixture has not been subjected to a safety assessment.



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0

Issued: 2023-01-27

Replaces SDS: 2023-01-27

## SECTION 16: Other information

### Changes to previous revision

Adaptation to the amending regulation (EU) 2020/878

### Abbreviations

ADN - Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

ADR - Accord relatif au transport international des marchandises Dangereuses par Route

CAS - Chemical Abstract Service

CLP - Classification, Labelling and Packaging

DMEL - Derived Minimum Effect Level

DNEL - Derived no effect level

EC50 - Half maximal effective concentration 50%

GHS - Globally Harmonised System

IATA - International Air Transport Association

IMDG - International Maritime Dangerous Goods

LC50 - Lethal concentration 50%

LD50 - Lethal dosis 50 %

MARPOL - International Convention for the Prevention of Pollution from Ships

PBT - Persistent, bioaccumulative and toxic substance

PEC - Predicted Environmental Concentration

PNEC - predicted no effect concentration

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals

RID - Reglement concernant le transport international ferroviaire de marchandises Dangereuses

SVHC - Substance of very high concern

vPvB - Very persistent, very bioaccumulative substance

### References to key literature and data sources

REACH registration dossiers

ECHA C&L - Inventory

Safety data sheets from raw material suppliers

### Evaluation methods for classification

Classification for mixtures and used evaluation method according to Article 9 of regulation (EC)

1272/2008 [CLP]:

Health hazards: calculation method



# CoFiClean Coffee Machine Cleaning Tabs

Version number: 1.0

Issued: 2023-01-27

Replaces SDS: 2023-01-27

## **Phrase meaning**

Ox. Sol. 3 - Oxidising solids, hazard category 3  
Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4  
Eye Dam. 1 - Serious eye damage, hazard category 1  
Eye Irrit. 2 - Eye irritation, hazard category 2  
H272 May intensify fire; oxidiser.  
H302 Harmful if swallowed.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.

## **Other**

### **Additional information**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

### **Manufacturer's notes**

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.