

COFFEE CLEAN PLUS 60x2,4g Tabs

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

1.1. Product identifier

Trade name

COFFEE CLEAN PLUS 60x2,4g Tabs

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

Professional user

Not suitable for use in

All other uses are discouraged.

1.3. Details of the supplier of the safety data sheet

Supplier

GEV Großküchen-Ersatzteil-Vertrieb GmbH

Street address

Gadastraße 4

85232 Bergkirchen

Germany

Telephone

+49 (0) 8142 6522-50

Email

info@gev-online.de

Fax

+49 (0) 8142 6522-649

Web site

<https://www.gev-online.com/home>

1.4. Emergency telephone number

+49 (0)551 - 19 240 (24 h) GIZ-Nord (Göttingen). Medical advice available in german and english language.

Available outside office hours

No

COFFEE CLEAN PLUS 60x2,4g Tabs

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

P264 Wash hands thoroughly after handling.

P280 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.

P102 Keep out of reach of children.

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.

COFFEE CLEAN PLUS 60x2,4g Tabs

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase 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. Call a physician if symptoms occur.

Inhalation

Not applicable

Skin contact

In case of contact, immediately flush skin with plenty of water.

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.

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

COFFEE CLEAN PLUS 60x2,4g Tabs

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.

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

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.

COFFEE CLEAN PLUS 60x2,4g Tabs

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.

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

COFFEE CLEAN PLUS 60x2,4g Tabs

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 ³	Workers	Local
Sodium percarbonate (15630-89-4/239-707-6)	DNEL	Chronic (long term) Dermal	12.8 mg/cm ²	Workers	Local
Sodium carbonate (497-19-8/207-838-8)	DNEL	Chronic (long term) Inhalation	10 mg/m ³	Workers	Local
adipic acid (124-04-9/204-673-3)	DNEL	Chronic (long term) Inhalation	264 mg/m ³	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

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

COFFEE CLEAN PLUS 60x2,4g Tabs

8.2. Exposure controls

Eye / face protection

Chemical-resistant safety glasses with side protection (EN 166)

Hand protection

Chemical-resistant protective gloves (EN 374)

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

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

COFFEE CLEAN PLUS 60x2,4g Tabs

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.

Solubility

Water soluble

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/dm³

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.

COFFEE CLEAN PLUS 60x2,4g Tabs

9.2. Other information

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at normal conditions

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	> 2000 mg/kg	Dermal	-	rabbit	-	-
Sodium carbonate 497-19-8 /	LD50	2.800 mg/kg	Oral	-	rat	-	-



COFFEE CLEAN PLUS 60x2,4g Tabs

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

Skin corrosion/irritation

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

Serious eye damage/irritation

Eye irritation, hazard category 2

Irritation

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

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.

Genotoxicity

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

Mutagenicity

Based on the 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.



COFFEE CLEAN PLUS 60x2,4g Tabs

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.

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
adipic acid 124-04-9 / 204-673-3	LC0	>1.000 mg/l	96h	Danio rerio	ECHA
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	-

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	Pseudokirchneriella subcapitata	OECD 201	ECHA

COFFEE CLEAN PLUS 60x2,4g Tabs



Acute crustacean 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	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	-	-
adipic acid 124-04-9 / 204-673-3	LC50	46 mg/l	48h	Daphnia magna (Water flea)	OECD 202	ECHA

12.2. Persistence and degradability

Persistence and degradability

The surfactants contained in this mixture / product meet the requirements for biodegradability in accordance with Regulation (EC) No. 648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential

No information 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.

COFFEE CLEAN PLUS 60x2,4g Tabs

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

In accordance with local and national regulations.

Waste code	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

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

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

COFFEE CLEAN PLUS 60x2,4g Tabs

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: not applicable

Substance restrictions according to Annex XVII: not applicable

Substances on the REACH candidate list (SVHC): not applicable

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.

SECTION 16: Other information

Changes to previous revision

Version 2.0 - Adaptation to the amending regulation (EU) 2020/878



COFFEE CLEAN PLUS 60x2,4g Tabs

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

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.



COFFEE CLEAN PLUS 60x2,4g Tabs

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.