

**Special cleaning tablets –
Coffee**

Material number 33.4550.1000

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**SECTION 1: Identification of the substance/mixture and of the
company/undertaking****1.1 Product identifier**

Trade name: Special cleaning tablets – Coffee

UFI: 6C00-60HW-S00Q-G4K0

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

General use: Cleaning agent

1.3 Details of the supplier of the safety data sheet

Company name: IBEDA-CHEMIE Klaus P. Christ GmbH

Street/POB-No.: Am Eichelgärtchen 32

Postal Code, city: 56283 Halsenbach

Germany

E-mail: info@ibeda-chemie.com

Telephone: +49 (0)6747-9501-0

Telefax: +49 (0)6747-9501-11

Department responsible for information:

Herr Schaper, Telephone: +49 (0)6747-9501-19

(Only available during office hours.)

1.4 Emergency telephone number**National Poisons Information Service (Birmingham Unit)****Telephone: 844 892 0111****Transport:****CONSULTANK Lutz Harder GmbH (Contract QUALI003)****Telephone: +49 (178) 4337434 (from USA: 01149 178 4337434)****SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to EC regulation 1272/2008 (CLP)**

Skin Irrit. 2; H315 Causes skin irritation.

Eye Dam. 1; H318 Causes serious eye damage.

2.2 Label elements**Labelling (CLP)**

Signal word:

Danger

Hazard statements:

H315

Causes skin irritation.

H318

Causes serious eye damage.

Precautionary statements:

- P102 Keep out of reach of children.
P264 Wash hands thoroughly after handling.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

Special labelling

Text for labelling: Contains: Sodium percarbonate, Pentapotassium bis(peroxymonosulphate) bis(sulphate)
Contains: 5% - <15% phosphonates, 15% - <30% oxygen-based bleaching agents

Special provisions concerning the labelling of certain mixtures:

In case of handling larger quantities:
P280 Wear protective gloves/protective clothing/eye protection.

2.3 Other hazards

Contains phosphonates. May contribute to the eutrophication of water supplies.
Contains Sodium percarbonate: May intensify fire; oxidiser.

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Mixture of inorganic salts with organic materials

Hazardous ingredients:

Identifiers	Designation Classification	Content
EC No. 207-838-8 CAS 497-19-8	Sodium carbonate Eye Irrit. 2; H319.	20 - 30 %
REACH 01-2119457268-30-xxxx EC No. 239-707-6 CAS 15630-89-4	Sodium percarbonate Ox. Sol. 3; H272. Acute Tox. 4; H302. Eye Dam. 1; H318. Specific concentration limits (SCL): Eye Dam. 1; H318: C > 25 % Eye Irrit. 2; H319: 7.5 % ≤ C < 25 %	15 - 20 %
REACH 01-2119510382-52-xxxx EC No. 223-267-7 CAS 3794-83-0	Tetrasodium (1-hydroxyethylidene)bisphosphonate Acute Tox. 4; H302. Eye Irrit. 2; H319.	10 - 15 %
REACH 01-2119457026-42-xxxx EC No. 201-069-1 CAS 77-92-9	Citric acid, anhydrous Eye Irrit. 2; H319. STOT SE 3; H335.	< 10 %
REACH 01-2119485567-22-xxxx EC No. 274-778-7 CAS 70693-62-8	Pentapotassium bis(peroxymonosulphate) bis(sulphate) Acute Tox. 4; H302. Skin Corr. 1B; H314. Eye Dam. 1; H318. Aquatic Chronic 3; H412.	< 5 %

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

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Additional information: Contains Sodium sulfate anhydrous and Polyethylene glycol.
The maximum workplace exposure limits are, where necessary, listed in section 8.

SECTION 4: First aid measures**4.1 Description of first aid measures**

General information: If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.

In case of inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.

Following skin contact: Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Seek the attention of an ophthalmologist immediately.

After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Immediately get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye damage. Causes skin irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media: Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing media which must not be used for safety reasons:
Full water jet

5.2 Special hazards arising from the substance or mixture

Fires in the immediate vicinity may cause the development of dangerous vapours.
In case of fire may be liberated: Sodium compounds, potassium compounds, sulphur oxides, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters: Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Hazchem-Code: -
Fire water reacts alkaline. Use fine water spray to cool endangered containers. Do not allow water used to extinguish fire to enter drains, ground or waterways. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Do not breathe dust. Avoid contact with the substance.
If possible, eliminate leakage. Provide adequate ventilation.
Wear appropriate protective equipment. Keep unprotected people away.
Take off contaminated clothing and wash it before reuse.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.
If necessary, notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.
Wash spill area with plenty of water.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid dust formation. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.
Have eye wash bottle or eye rinse ready at work place.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.
Keep container dry. Keep only in the original container.
Protect from heat and direct sunlight.

Hints on joint storage:

Do not store together with strong reducing agents, strong oxidizing agents, strong acids or strong alkalis.
Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

No information available.

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SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

Occupational exposure limit values:

Type	Limit value
Great Britain: WEL-TWA	10 mg/m ³ (Dust limit value, inhalable fraction)
Great Britain: WEL-TWA	4 mg/m ³ (Dust limit value, respirable fraction)

8.2 Exposure controls

Provide adequate ventilation. Vent dust from the work area.

Personal protection equipment**Occupational exposure controls**

- Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. In case of dust formation: Dust mask/Particulates filter P2 according to EN 143. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.
- Hand protection: Protective gloves according to BS EN ISO 374-1.
Glove material: Nitrile rubber or butyl caoutchouc (butyl rubber).
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Eye protection: Tightly sealed goggles according to BS EN ISO 16321-1.
- Body protection: Wear suitable protective clothing.
- General protection and hygiene measures:
Avoid dust formation. Do not breathe dust. Do not get in eyes, on skin, or on clothing.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
Have eye wash bottle or eye rinse ready at work place.
Take off contaminated clothing and wash it before reuse.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Appearance: Physical state at 20 °C and 101.3 kPa: solid
Form: Tablets
Colour: white
- Odour: No data available
- pH: 10
- Melting point/freezing point: No data available
- Initial boiling point and boiling range: No data available
- Flash point/flash point range: Not applicable
- Flammability: No data available
- Explosion limits: Not applicable

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, as retained and amended
in UK law [UK REACH]

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Vapour pressure:	No data available
Vapour density:	Not applicable
Density:	No data available
Water solubility:	soluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	Not applicable
Explosive properties:	No data available
Oxidizing characteristics:	No data available

9.2 Other information

Ignition temperature:	Not applicable
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SECTION 10: Stability and reactivity

10.1 Reactivity

Product reacts alkaline.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

The product hydrolyses quickly in the presence of water to: Sodium carbonate and hydrogen peroxide (H₂O₂)

10.4 Conditions to avoid

Humidity. Excessive heating. Avoid generation of dust.

10.5 Incompatible materials

Strong oxidizing agents, strong reducing agents, strong alkalis, strong acids

10.6 Hazardous decomposition products

	No decomposition when used properly.
Thermal decomposition:	No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects:

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

Acute toxicity (oral): Based on available data, the classification criteria are not met.

ATEmix (calculated): 2,000 mg/kg < ATE ≤ 5,000 mg/kg.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.

Serious eye damage/irritation: Eye Dam. 1; H318 = Causes serious eye damage.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

Other information:

Information about Sodium percarbonate (CAS: 15630-89-4):

LD50 Rat, oral: 1,034 - 2,000 mg/kg.

Information about (1-Hydroxyethylidene)bisphosphonic acid, sodium salt (CAS: 3794-83-0):

LD50 Rat, oral: > 940 mg/kg.(OECD 401)

LD50 Rabbit, dermal: > 1,550 mg/kg. (OECD 402)

Information about Pentapotassium bis(peroxymonosulphate) bis(sulphate)
(CAS:70693-62-8):

LD50 Rat, oral: 500 mg/kg.(OECD 423)

LD50 Rabbit, dermal: > 2,000 mg/kg.(OECD 402)

Symptoms

In case of inhalation: May cause irritations.

In case of ingestion:

Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

After eye contact: Redness, pain, corneal opacity.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Information about Sodium percarbonate (CAS: 15630-89-4):

Algae toxicity:

EC50 *Chlorella vulgaris*: 7.7 mg/L (calculated, read across hydrogen peroxide)

Daphnia toxicity:

EC50 *Daphnia pulex* (water flea): 4.9 mg/L/48hNOEC *Daphnia pulex* (water flea): 2.0 mg/L/48h

Fish toxicity:

LC50 *Pimephales promelas* (fathead minnow): 70.7 mg/L/96hInformation about Pentapotassium bis(peroxymonosulphate) bis(sulphate)
(CAS:70693-62-8):

Fish toxicity:

LC50 *Oncorhynchus mykiss*: 53 mg/L/96h (OECD 203)NOEC *Oncorhynchus mykiss*: 27 mg/L/96h (OECD 203)LC50 *Cyprinodon variegatus*: 1.09 µg/L/96h

Daphnia toxicity:

LC50 *Americamysis bahia*: 1.18 µg/L/96hNOEC *Americamysis bahia*: 889 µg/L/96h

Daphnia toxicity:

ErC50 *Skeletonema costatum*: 489 µg/L/96h (OECD 201)NOEC *Skeletonema costatum*: 444 µg/L/96h (OECD 201)

12.2 Persistence and degradability

Further details:

Information about Sodium percarbonate, sodium percarbonate, Pentapotassium
bis(peroxymonosulphate) bis(sulphate):Methods for the determination of biodegradability are not applicable to inorganic
substances.

Information about Sodium percarbonate:

The product hydrolyses quickly in the presence of water to: Sodium carbonate and
hydrogen peroxide (H₂O₂)

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The product does not contain any substances classified as PBT or vPvB.

12.6 Other adverse effects

General information:

Contains phosphonates. May contribute to the eutrophication of water supplies.

Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 20 01 29* = Detergents containing hazardous substances.

* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.
Smaller amounts: Dilute with plenty of water.**Package**

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

14.1 UN number

ADR/RID, IMDG, IATA-DGR:

not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

14.4 Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

14.5 Environmental hazards

Marine pollutant:

no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

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

No data available

SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code: -
No data available

National regulations - EC member states

Further regulations, limitations and legal requirements:
Use restriction according to REACH annex XVII, no.: 75

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Further information

Classification procedure: Physical hazards: on basis of test data
Health hazards, environmental hazards: calculation method

Wording of the H-phrases under paragraph 2 and 3:

H315 = Causes skin irritation.
H318 = Causes serious eye damage.
H319 = Causes serious eye irritation.
H272 = May intensify fire; oxidiser.
H302 = Harmful if swallowed.
H335 = May cause respiratory irritation.
H314 = Causes severe skin burns and eye damage.
H412 = Harmful to aquatic life with long lasting effects.

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Abbreviations and acronyms:

Acute Tox.: Acute toxicity
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
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
ATEmix: Acute Toxicity Estimate of mixture
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
EN: European Standard
EQ: Excepted quantities
Eye Dam.: Eye damage
Eye Irrit.: Eye irritation
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
IMO: International Maritime Organization
LC50: Median lethal concentration
LD50: Lethal dose 50%
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD: Organisation for Economic Co-operation and Development
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
Ox. Sol.: Oxidising solids
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.: Skin corrosion
Skin Irrit.: Skin irritation
STOT SE: Specific target organ toxicity - single exposure
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

Reason of change: Changes in section 1: Department responsible for information
Date of first version: 2/10/2009

Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:
<https://sumdat.net/tzpax971>

