

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

1.1 Product identifier

Trade name: Special-Cleaning Tablets for coffee machines

UFI: DM00-Q0M3-Q006-F5A6

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 Christ, Telephone: +49 (0)6747-95010 (Only available during office hours.)

1.4 Emergency telephone number

National Poisons Information Service (Birmingham Unit)

Telephone: 844 892 0111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Acute Tox. 4; H302 Harmful if swallowed.

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:

H302

Harmful if swallowed.

H315

Causes skin irritation.

H318

Causes serious eye damage.

Precautionary statements:	P102	Keep out of reach of children.
	P264	Wash hands and face thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P280	Wear protective gloves/protective clothing/eye protection/face 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.
	P310	Immediately call a POISON CENTER/doctor.
	P330	Rinse mouth.
	P501	Dispose of contents/container to hazardous or special waste collection point.

Special labelling

Text for labelling:

Contains sodium percarbonate and Potassium peroxydisulfate.

Labelling for contents according to regulation (EC) No 648/2004, annex VII:

Contains

- 5% or over but less than 15% phosphonates
- 15% or over but less than 30% oxygen-based bleaching agents

2.3 Other hazards

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

Contains Sodium percarbonate: May intensify fire; oxidiser.

Contact with water may cause slipping.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

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.	25 - 50 %
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 %	10 - 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. Specific concentration limits (SCL): Eye Irrit. 2; H319: C > 30%	10 %
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.	5 - 10 %
EC No. 274-778-7 CAS 70693-62-8	Potassium peroxydisulfate Met. Corr. 1; H290. Acute Tox. 4; H302. Skin Corr. 1B; H314. Aquatic Chronic 3; H412.	< 5 %

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

Additional information: Contains polyethylene glycol, Sodium sulfate anhydrous: 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 and drink large quantities of water. Never give anything by mouth to an unconscious person.
Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Harmful if swallowed. 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.

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, sulphur oxides, phosphorus compounds, 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. Do not allow fire water to penetrate into surface or ground water.
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

Provide adequate ventilation. Avoid contact with skin and eyes.
Avoid generation of dust. Do not breathe dust.
Wear appropriate protective equipment.
Keep unprotected people away. Take off contaminated clothing and wash it before reuse.
Wear appropriate protective equipment.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

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.

Additional information: Contact with water may cause slipping.

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 contact with skin and eyes. Take off contaminated clothing and wash it before reuse. Wear appropriate protective equipment. 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. In case of dust formation: Withdraw by suction. Do not breathe dust.

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.

Hints on joint storage: Do not store together with highly inflammable or combustible materials.
Keep away from bases, acids

7.3 Specific end use(s)

Cleaning agent

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. Particulates filter P2 according to EN 143.

Hand protection: Protective gloves according to EN 374.
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 16321-1:2022.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:

Do not breathe dust. Avoid contact with skin and eyes.
Wash hands before breaks and after work.
Take off contaminated clothing and wash it before reuse.
Have eye wash bottle or eye rinse ready at work place. When using do not eat or drink.

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:	odourless
Odour threshold:	No data available
pH:	at 10%: 10.5
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	Not applicable
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	approx. 2 g/cm ³
Water solubility:	soluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	No data available
Oxidizing characteristics:	No data available

9.2 Other information

Additional information:	No data available
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SECTION 10: Stability and reactivity**10.1 Reactivity**

Product is hygroscopic. Product reacts alkaline.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Acids, alkalis

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): Acute Tox. 4; H302 = Harmful if swallowed.

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:

LD50 Rat, oral: 1,034 mg/kg.

Information about Tetrasodium ethylenediaminetetraacetate:

LD50 Rat, oral: 1,100 mg/kg.

Information about Potassium peroxymonosulfate:

LD50 Rat, oral: 500 mg/kg.

Symptoms

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

In case of inhalation: May cause irritations.

After eye contact:

Upon direct contact with eyes may cause burning, tearing, redness. corneal opacity.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Harmful effects on water organisms by modification of pH-value.

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

Information about Potassium peroxymonosulfate:

Bacterial toxicity:

EC50 *Pseudomonas putida*: 179 mg/L/18h.

Daphnia toxicity:

NOEC *Daphnia magna*: 1,8 mg/L/24h (OECD 202).LC50 *Daphnia magna*: 5,3 mg/L/24h (OECD 202).

Fish toxicity:

NOEC *Danio rerio* (zebrafish): 32 mg/L/96h (OECD 203).

Source: IUCLID.

12.2 Persistence and degradability

Further details:

No data available

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

No data available

12.6 Other adverse effects

General information:

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:

Waste key number 150101 - paper and cardboard packaging

Waste key number 150102 - Plastic packaging: PVC/PVDC

Waste key number 150104 - metallic packaging: Aluminium

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:
health hazards: calculation method

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

H272 = May intensify fire; oxidiser.
H290 = May be corrosive to metals.
H302 = Harmful if swallowed.
H314 = Causes severe skin burns and eye damage.
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.

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
- 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%
- 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
- LC50: Median lethal concentration
- LD50: Lethal dose 50%
- MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
- Met. Corr.: Corrosive to metals
- NOEC: No Observed Effect Concentration
- 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 1.4: Emergency phone number
Changes in section 3: Composition/information on ingredients
General revision

Date of first version: 22/1/2015

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
<http://sumdat.net/q4ck945>

