

## 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: VJD0-20J9-800Y-EMA5

### 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)

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.  
P280 Wear protective gloves/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.  
P310 Immediately call a POISON CENTER/doctor.  
P362+P364 Take off contaminated clothing and wash it before reuse.

#### Special labelling

Text for labelling: Contains: Pentapotassium bis(peroxymonosulphate) bis(sulphate)

### 2.3 Other hazards

Contains Sodium percarbonate: May intensify fire; oxidiser.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

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

## 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.	< 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 %	< 25 %
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. Aquatic Chronic 3; H412.	< 5 %

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

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.

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.

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.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values:

Type	Limit value
Great Britain: WEL-TWA	10 mg/m <sup>3</sup> (Dust limit value, inhalable fraction)
Great Britain: WEL-TWA	4 mg/m <sup>3</sup> (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 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:	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
Odour threshold:	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
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:	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:	No data available

Explosive properties: No data available  
Oxidizing characteristics: No data available

## 9.2 Other information

Additional information: No data available

## 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 (H<sub>2</sub>O<sub>2</sub>)

### 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

Thermal decomposition: No decomposition when used properly.  
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:  
LD50 Rat, oral: 1,034 - 2,000 mg/kg.  
Information about Pentapotassium bis(peroxymonosulphate) bis(sulphate):  
LD50 Rat, oral: 500 mg/kg.  
LD50 Rabbit, dermal: > 2000 mg/kg.

## 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:

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/48h

NOEC Daphnia pulex (water flea): 2.0 mg/L/48h

Fish toxicity:

LC50 Pimephales promelas (fathead minnow): 70.7 mg/L/96h

### 12.2 Persistence and degradability

Further details:

Information about Sodium percarbonate:

Methods for the determination of biodegradability are not applicable to inorganic substances.

The product hydrolyses quickly in the presence of water to: Sodium carbonate and hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>)

### 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:

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

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

H272 = May intensify fire; oxidiser.  
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
- 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 2: Labelling  
Changes in section 2: labelling

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/q4ck945x>

