

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

### 1.1 Product identifier

Trade name: Special Cleaner for Coffee-Machines

### 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 Dohmann, Telephone: +49 (0)6747-9501-16 (Only available during office hours.)

### 1.4 Emergency telephone number

**GIZ-Nord, Göttingen, Germany,****Telephone: +49 551-19240**

## 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 and face thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
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.
P332+P313	If skin irritation occurs: Get medical advice/attention.

### Special labelling

Text for labelling: Sodium percarbonate, Disodium metasilicate.  
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

May be harmful if swallowed.  
Contains phosphonates. May contribute to the eutrophication of water supplies.

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:

Ingredient	Designation	Content	Classification
EC No. 207-838-8 CAS 497-19-8	Sodium carbonate	10 - 20 %	Eye Irrit. 2; H319.
REACH 01-2119457268-30-xxxx EC No. 239-707-6 CAS 15630-89-4	Sodium percarbonate	10 - 20 %	Ox. Sol. 3; H272. Acute Tox. 4; H302. Eye Dam. 1; H318.
EC No. 229-912-9 CAS 6834-92-0	Disodium metasilicate	< 10 %	Met. Corr. 1; H290. Skin Corr. 1B; H314. STOT SE 3; H335.
REACH 01-2119457026-42-xxxx EC No. 201-069-1 CAS 77-92-9	Citric acid, anhydrous	< 10 %	Eye Irrit. 2; H319.

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- In case of inhalation: Provide fresh air. Keep victim calm. Seek medical aid in case of troubles. If breathing becomes irregular or ceases, apply rescue breathing or artificial respiration immediately, where required supply oxygen.
- Following skin contact: After contact with skin, wash immediately with plenty of water. In case of skin irritation, 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. Subsequently seek the immediate attention of an ophthalmologist.
- After swallowing: Rinse mouth thoroughly with water. Give water to drink in small sips. Never give anything by mouth to an unconscious person. Danger of foam aspiration! Immediately get medical attention. Do not induce vomiting.

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

- In case of inhalation: May cause irritations.
- In case of ingestion: Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract. Risk of foam aspiration when vomiting.

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

- Treat symptomatically. Product reacts alkaline.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media: Product is non-combustible. Extinguishing materials should therefore be selected according to 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: sulphur compounds, sodium compounds, phosphorus oxides.

### 5.3 Advice for firefighters

- Special protective equipment for firefighters: Wear self-contained breathing apparatus.
- Additional information: Hazchem-Code: -  
Do not allow water used to extinguish fire to enter drains, ground or waterways.

## SECTION 6: Accidental release measures

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

- Avoid contact with the substance. Wear personal protection equipment. Do not breathe dust. Provide adequate ventilation.

## 6.2 Environmental precautions

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

## 6.3 Methods and material for containment and cleaning up

Avoid generation of dust.

Collect dry and place in appropriate containers for disposal. Subsequent cleaning.

To clean the floor and all object contaminated by this material, use 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.

Whenever possible use closed equipment with this product.

Avoid generation of dust. In the case of the formation of dust: Use local exhaust.

Avoid contact with skin and eyes.

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and dry. Keep in a cool place.

Hints on joint storage:

Do not store together with highly inflammable or combustible materials.

Further details:

Product is hygroscopic. Product reacts alkaline.

## 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 <sup>3</sup> (Dust limit value, inhalable fraction)
Great Britain: WEL-TWA	4 mg/m <sup>3</sup> (Dust limit value, respirable fraction)
Ireland: 8 hours	10 mg/m <sup>3</sup> (Dust limit value, inhalable fraction)
Ireland: 8 hours	4 mg/m <sup>3</sup> (Dust limit value, respirable fraction)

## 8.2 Exposure controls

In case of dust formation: Withdraw by suction.

## Personal protection equipment

### Occupational exposure controls

Respiratory protection: With the formation of dust, use a dust mask.

If higher concentrations occur: Particulates filter P2 according to EN 143.

Hand protection:

Protective gloves according to EN 374.

Glove material: Nitrile rubber, butyl caoutchouc (butyl rubber) or fluoro rubber.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.  
Body protection: Wear suitable protective clothing.  
General protection and hygiene measures:  
Change contaminated clothing.  
Wash hands before breaks and after work.  
Have eye wash bottle or eye rinse ready at work place.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance: Form: solid, powder  
Colour: white  
Odour: odourless  
Odour threshold: No data available  
pH value: at 10%: 10.1  
Melting point/freezing point: No data available  
Initial boiling point and boiling range: No data available  
Flash point/flash point range: No data available  
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: very 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 is hygroscopic. Product reacts alkaline.

### 10.2 Chemical stability

Product is stable under normal 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

strong acids and alkalis

#### 10.6 Hazardous decomposition products

sulphur compounds, sodium compounds, phosphorus oxides.

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): 2000 mg/kg < ATE ≤ 5000 mg/kg.

Information about Sodium percarbonate:

LD50 Rat, oral: 1034 - 2000 mg/kg.

Harmful if swallowed.

Information about Disodium metasilicate

LD50 Rat, oral: 1153 mg/kg.

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.

### Symptoms

In case of inhalation: May cause irritations.

In case of ingestion:

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

Risk of foam aspiration when vomiting.

## 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 *Brachydanio rerio* (zebra-fish): 32 mg/L/96h (OECD 203).  
Source: IUCLID.

### 12.2 Persistence and degradability

Further details: The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

### 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.

#### Contaminated packaging

Recommendation: Rinse with water. Wrap waste as is appropriate for the type of material.  
Single packs can be disposed of together with household waste.

## 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

### 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.

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.

Reason of change: Changes in section 8: Exposure limit values  
General revision

Date of first version: 22/1/2015

### Department issuing data sheet

Contact person: see section 1: Department responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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/9dmrz15g>

