

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

1.1 Product identifier

Trade name: WMF 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

Dept. responsible for information:

Herr Dohmann, Telephone: +49 (0)6747-9501-16

1.4 Emergency telephone number

Beratungsstelle bei Vergiftung, Telephone: +49 (0)6131-19240

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: Contains 5-15% phosphonates, 15-30% oxygen-based bleaching agents (Sodium percarbonate, Disodium metasilicate).

2.3 Other hazards

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

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 mouth-to-mouth resuscitation 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. Treat runoff as hazardous.

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.

Storage class: 13 = Non-combustible solids

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
Ireland: 8 hours	10 mg/m ³ Dust limit value inhalable fraction
Ireland: 8 hours	4 mg/m ³ 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
Thermal decomposition:	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

In case of fire may be liberated: sulphur compounds, sodium compounds, phosphorus oxides.

Thermal decomposition: no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects:

- Acute toxicity (oral): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.
- 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.

General remarks

Information about Sodium percarbonate:
LD50 Rat, oral: 1034 - 2000 mg/kg.
Harmful if swallowed.

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 peroxomonosulfate:
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 surfactants contained in this preparation comply 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 dangerous 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 73/78 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:

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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: General revision (Regulation (EU) No 2015/830)

Date of first version: 16/3/2010

Department issuing data sheet

Contact person: see section 1: Dept. 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.