

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

### 1.1 Product identifier

Trade name: WMF Special-Cleaning Tablets 1,3 g

### 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: DE-56283 Halsenbach

E-mail: info@ibeda-chemie.com

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

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Department responsible for information:

Herr Christ, Telephone: +49 (0)6747-95010 (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 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 sodium percarbonate and Potassium peroxymonosulfate.  
Labelling for contents according to regulation (EC) No 648/2004, annex VII:  
Contains  
- 15% or over but less than 30% 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.

Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

## 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<br>CAS 497-19-8                                  | Sodium carbonate            | 10 - 25 % | Eye Irrit. 2; H319.  |
| REACH 01-2119457268-30-xxxx<br>EC No. 239-707-6<br>CAS 15630-89-4 | Sodium percarbonate         | 10 - 20 % | Ox. Sol. 3; H272.<br>Acute Tox. 4; H302.<br>Eye Dam. 1; H318.                                  |
| REACH 01-2119457026-42-xxxx<br>EC No. 201-069-1<br>CAS 77-92-9    | Citric acid, anhydrous      | < 10 %    | Eye Irrit. 2; H319.  |
| EC No. 274-778-7<br>CAS 70693-62-8                                | Potassium peroxymonosulfate | < 5 %     | Met. Corr. 1; H290.<br>Acute Tox. 4; H302.<br>Skin Corr. 1B; H314.<br>Aquatic Chronic 3; H412. |

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

|                         |  |
|-------------------------|--|
| General information:    | First aider: Pay attention to self-protection!<br>If medical advice is needed, have product container or label at hand. Take off immediately all contaminated clothing.  |
| In case of inhalation:  | Provide fresh air. In case of respiratory difficulties seek medical attention.   |
| Following skin contact: | Remove residues with water. 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. Subsequently seek the immediate attention of an ophthalmologist. |
| After swallowing:       | Rinse mouth and drink large quantities of water. Never give anything by mouth to an unconscious person.<br>Consult physician.  |

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

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

Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with the substance. If possible, eliminate leakage. Provide adequate ventilation.  
Wear appropriate protective equipment. Keep unprotected people away.

## 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. Do not breathe dust/fume/gas/mist/vapours/spray. 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 immediately all contaminated clothing and wash it before reuse. When handling large quantities, supply emergency spray.

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store in a dry place.

Hints on joint storage:

Do not store together with highly inflammable or combustible materials.

## 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) |
| 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

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.<br>Glove material: Nitrile rubber or butyl caoutchouc (butyl rubber).<br>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: | Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.<br>Take off immediately all contaminated clothing and wash it before reuse.<br>Do not eat, drink or smoke when using this product.<br>Wash hands thoroughly after handling.<br>When handling large quantities, supply emergency spray. |

**Environmental exposure controls**

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

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

|  |   |
|--|---|
| Appearance:                              | Form: solid, Tablets<br>Colour: white       |
| Odour:                                   | odourless                                   |
| Odour threshold:                         | No data available                           |
| pH:                                      | 9.5 - 10.5 g/cm <sup>3</sup> (10%-solution) |
| 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:                                 | approx. 2 g/cm <sup>3</sup>                 |
| 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

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: Sodium compounds, sulphur oxides, phosphorus compounds, carbon monoxide and carbon dioxide.

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 Potassium peroxymonosulfate:  
LD50 Rat, oral: 1200 - 2050 mg/kg.  
Harmful if swallowed.

Information about Sodium percarbonate:  
LD50 Rat, oral: 1034 - 2000 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.  
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  
Information about Potassium peroxymonosulfate: Algae toxicity:  
NOEC Pseudokirchneriella subcapitata (green algae): 0.5 mg/L/72h (OECD 201)  
ErC50 Pseudokirchneriella subcapitata (green algae): >1 mg/L/72h (OECD 201)  
Daphnia toxicity:  
NOEC Daphnia magna (Big water flea): 2.5 mg/L/48h (OECD 202).  
EC50 Daphnia magna (Big water flea): 3.5 mg/L/48h (OECD 202).  
Fish toxicity:  
NOEC Oncorhynchus mykiss: 27 mg/L/96h (OECD 203).  
LC50 Oncorhynchus mykiss: 53 mg/L/96h (OECD 203)

### 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.  
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

Information about Sodium percarbonate Significant bioaccumulation potential is not to be expected.  
Partition coefficient: n-octanol/water:  
No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

### 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: 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:

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:

H315 = Causes skin irritation.

H318 = Causes serious eye damage.

H319 = Causes serious eye irritation.

H272 = May intensify fire; oxidiser.

H302 = Harmful if swallowed.

H290 = May be corrosive to metals.

H314 = Causes severe skin burns and eye damage.

H412 = Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

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

OEL: Occupational Exposure Limit Value

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

EC50: Effective Concentration 50%

EC: European Community

EN: European Standard

EU: European Union

IATA: International Air Transport Association

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

NOEC: No Observed Effect Concentration

OSHA: Occupational Safety and Health Administration

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

TLV: Threshold Limit Value

vPvB: Very persistent and very bioaccumulative

WEL: Workplace Exposure Limit

## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

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### WMF Special-Cleaning Tablets 1,3 g

Material number 0063

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Reason of change: Changes in section 1.3: Department responsible for information  
Date of first version: 8/9/2010

#### 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/iezpvt57>

