

## 1. Product and company identification

### Product identifier

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

### Relevant identified uses of the substance or mixture and uses advised against

General use: Cleaning agent

### 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

Telefax: +49 (0)6747-9501-11

Department responsible for information:

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

### Emergency phone number

**GIZ-Nord, Göttingen, Germany,**

**Telephone: +49 551-19240**

## 2. Hazards identification

### Emergency overview

Appearance: Form: solid, Tablets

Color: white

Odor: odorless

Classification: Skin Irritation - Category 2; Eye Damage - Category 1;

Hazard symbols:



Signal word: **Danger**

Hazard statements: Causes skin irritation.

Causes serious eye damage.

Precautionary statements:

Keep out of reach of children.

Wash hands thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN: Wash with plenty of water/soap.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

If skin irritation occurs: Get medical advice/attention.

### Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200).

## Hazards not otherwise classified

Contains phosphonates. May contribute to the eutrophication of water supplies.  
see section 11: Toxicological information

## 3. Composition / Information on ingredients

Chemical characterization: Mixture of inorganic salts with organic materials

Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 497-19-8	Sodium carbonate	10 - 25 %	Eye Irritation - Category 2A.
CAS 15630-89-4	Sodium percarbonate	10 - 20 %	Oxidizing Solid - Category 3. Acute Toxicity - oral - Category 4. Eye Damage - Category 1.
CAS 77-92-9	Citric acid, anhydrous	< 10 %	Eye Irritation - Category 2A.
CAS 70693-62-8	Potassium peroxymonosulfate	< 5 %	Corrosive to Metals - Category 1. Acute Toxicity - oral - Category 4. Skin Corrosion - Category 1B. Aquatic toxicity - chronic - Category 3.

## 4. First aid measures

General information:	First aider: Pay attention to self-protection! 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. Consult physician.

### Most important symptoms/effects, acute and delayed

Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract. Causes serious eye damage. Causes skin irritation.

### Information to physician

Treat symptomatically.

## 5. Fire fighting measures

Flash point/flash point range:

No data available

Auto-ignition temperature:

No data available

Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings.

## Specific hazards arising from the chemical

Fires in the immediate vicinity may cause the development of dangerous vapors. In case of fire may be liberated: Sodium compounds, sulphur oxides, phosphorus compounds, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Fire water reacts alkaline. Do not allow water used to extinguish fire to enter drains, ground or waterways.

## 6. Accidental release measures

Personal precautions:

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

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains. If necessary notify appropriate authorities.

Methods for clean-up:

Take up mechanically, placing in appropriate containers for disposal. Wash spill area with plenty of water.

## 7. Handling and storage

### Handling

Advices on safe handling:

Provide adequate ventilation, and local exhaust as needed. Do not breathe dust/fume/gas/mist/vapors/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.

### Storage

Requirements for storerooms and containers:

Store in a dry place.

Hints on joint storage:

Do not store together with highly inflammable or combustible materials.

## 8. Exposure controls / personal protection

### Exposure guidelines

Occupational exposure limit values:

Type	Limit value
USA: ACGIH: TWA	10 mg/m <sup>3</sup> (Dust limit value, inhalable fraction)
USA: ACGIH: TWA	3 mg/m <sup>3</sup> (Dust limit value, respirable fraction)
USA: OSHA: TWA	15 mg/m <sup>3</sup> (Dust limit value, inhalable fraction)
USA: OSHA: TWA	5 mg/m <sup>3</sup> (Dust limit value, respirable fraction)

### Engineering controls

Provide adequate ventilation. Vent dust from the work area. See also information in chapter 7, section storage.

## Personal protection equipment (PPE)

Eye/face protection:	Wear eye protection/safety glasses/face shield.
Skin protection:	Wear suitable protective clothing. Protective gloves according to OSHA Standard - 29 CFR: 1910.138. Glove material: Nitrile rubber or butyl caoutchouc (butyl rubber). Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Respiratory protection:	Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Particulates filter P2 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.
General hygiene considerations:	Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Take off immediately all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

## Environmental exposure controls

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

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:	Form: solid, Tablets Color: white
Odor:	odorless
Odor 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
Vapor pressure:	No data available
Vapor 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
Thermal decomposition:	No data available
Additional information:	No data available

## 10. Stability and reactivity

Reactivity:	Product reacts alkaline.
Chemical stability:	Product is stable under normal storage conditions.

## Possibility of hazardous reactions:

No hazardous reaction when handled and stored according to provisions.

## Conditions to avoid:

No data available

## Incompatible materials:

strong acids and alkalis

## 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

## 11. Toxicological information

### Toxicological tests

## 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 Irritation - Category 2 = Causes skin irritation.

Serious eye damage/irritation: Eye Damage - Category 1 = 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.

## 12. Ecological information

### Ecotoxicity

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)

### Mobility in soil

No data available

### 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>)

### Additional ecological information

General information: Contains phosphonates. May contribute to the eutrophication of water supplies.  
Do not allow to enter into ground-water, surface water or drains.

## 13. Disposal considerations

### Product

Recommendation: Dispose of waste according to applicable legislation.  
Smaller amounts: Dilute with plenty of water.

## 14. Transport information

### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

**Transport hazard class(es)**

ADR/RID, IMDG, IATA-DGR:

not applicable

**Packing group**

ADR/RID, IMDG, IATA-DGR:

not applicable

**Environmental hazards**

Marine pollutant:

no

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No data available

**USA: Department of Transportation (DOT)**

Proper shipping name:

Not restricted

**Sea transport (IMDG)**

Proper shipping name:

Not restricted

Marine pollutant:

no

**Air transport (IATA)**

Proper shipping name:

Not restricted

**Further information**

No dangerous good in sense of these transport regulations.

**15. Regulatory information****National regulations - U.S. Federal Regulations**

Sodium carbonate:

TSCA Inventory: listed

TSCA HPVC: not listed

Sodium percarbonate:

TSCA Inventory: listed

TSCA HPVC: not listed

Citric acid, anhydrous:

TSCA Inventory: listed

TSCA HPVC: not listed

Potassium peroxymonosulfate:

TSCA Inventory: listed

TSCA HPVC: not listed

**National regulations - U.S. State Regulations**

California Proposition 65 Status: This product does not contain chemicals currently on the California list of known carcinogens and/or reproductive toxins.

**National regulations - Great Britain**

Hazchem-Code:

-

## 16. Other information

## Text for labeling:

Contains 10 - 25 % Sodium carbonate, 10 - 20 % Sodium percarbonate, < 10 % Citric acid, anhydrous, < 5 % Potassium peroxymonosulfate. Safety data sheet available on request.

Contains sodium percarbonate and Potassium peroxymonosulfate.

Labeling 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

## Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 0 (Minimal)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 0 (Minimal)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

JT Baker Storage Color Code: Green (General Storage)

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
	X

## 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

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



Reason of change: Changes in section 1.3: Department responsible for information

Date of first version: 9/8/2010

**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/s7imsh59>

