

## 1. Product and company identification

### Product identifier

Trade name: WMF Special Cleaner

### 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: Physical state at 68 °F and 101.3 kPa: solid

Form: powder

Color: white

Odor: odorless

Classification: Skin Corrosion - Category 1B. Eye Damage - Category 1.

Hazard symbols:



Signal word:

**Danger**

Hazard statements:

Causes severe skin burns and eye damage.

Precautionary statements:

Keep out of reach of children.

Do not breathe dust.

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

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/or shower.

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.

Wash contaminated clothing before reuse.

Store locked up.

Dispose of contents/container to hazardous or special waste collection point.

### Regulatory status

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

**Hazards not otherwise classified**

May be harmful if swallowed.

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 - 20 %	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 6834-92-0	Disodium metasilicate	< 10 %	Corrosive to Metals - Category 1. Skin Corrosion - Category 1B. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 77-92-9	Citric acid, anhydrous	< 10 %	Eye Irritation - Category 2A. Specific Target Organ Toxicity (Single Exposure) - Category 3.

Additional information: Contains Sodium sulfate. The maximum workplace exposure limits are, where necessary, listed in section 8.

**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 and wash it before reuse.
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 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, if present and easy to do. Continue rinsing. Subsequently seek the immediate attention of an ophthalmologist.
After swallowing:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Danger of foam aspiration! Immediately get medical attention. Do not induce vomiting.

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

Causes severe skin burns and eye damage.

**Information to physician**

Treat symptomatically. Product reacts alkaline.

**5. Fire fighting measures**

Flash point/flash point range:	Not applicable
Auto-ignition temperature:	No data available
Suitable extinguishing media:	Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Extinguishing media which must not be used for safety reasons:

Full water jet

### 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: Sulphur compounds, sodium compounds, phosphorus oxides, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Use a breathing apparatus independent of the ambient air (isolated apparatus) and a full protection outfit (suit) against chemicals.

Additional information:

Cool exposed containers with water spray. 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.

## 6. Accidental release measures

Personal precautions:

Avoid generation of dust. Do not breathe dust. Avoid contact with the substance.

If possible, eliminate leakage. Provide adequate ventilation.

Wear appropriate protective equipment. Take off immediately all contaminated clothing and wash it before reuse. 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:

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.

## 7. Handling and storage

### Handling

Advices on safe handling:

Provide adequate ventilation, and local exhaust as needed. Avoid generation of dust. 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 immediately all contaminated clothing and wash it before reuse.

Work place should be equipped with a shower and an eye rinsing apparatus.

Specific use(s)

Cleaning agent

### Storage

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:

Keep away from strong acids and alkalis.

Do not store together with highly inflammable or combustible materials.

Keep away from food, drink and animal feedingstuffs.

Further details:

Product is hygroscopic. Product reacts alkaline.

## 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 good ventilation and/or an exhaust system in the work area.

In case of dust formation: Withdraw by suction.

See also information in chapter 7, section storage.

### Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Wear suitable protective clothing.

Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Glove material: Nitrile rubber, butyl caoutchouc (butyl rubber) or fluoro 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. With the formation of dust, use a dust mask.

If higher concentrations occur: Particulates filter P2 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.

General hygiene considerations: Avoid generation of dust. 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. Take off immediately all contaminated clothing and wash it before reuse. Work place should be equipped with a shower and an eye rinsing apparatus.

### Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:	Physical state at 68 °F and 101.3 kPa: solid Form: powder Color: white
Odor:	odorless
Odor threshold:	No data available
pH:	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:	Not applicable
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:	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
Additional information:	No data available

## 10. Stability and reactivity

Reactivity:	Product is hygroscopic. Product reacts alkaline.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No hazardous reaction when handled and stored according to provisions.
Conditions to avoid:	Keep away from heat sources, sparks and open flames. Protect from direct sunlight.
Incompatible materials:	Strong acids and alkalis
Hazardous decomposition products:	No hazardous decomposition products when regulations for storage and handling are observed.
Thermal decomposition:	No data available

## 11. Toxicological information

### Toxicological tests

Toxicological effects:	<p>The statements are derived from the properties of the single components. No toxicological data is available for the product as such.</p> <p>Acute toxicity (oral): Based on available data, the classification criteria are not met. ATEmix (calculated): 2,000 mg/kg &lt; ATE ≤ 5,000 mg/kg.</p> <p>Acute toxicity (dermal): Lack of data.</p> <p>Acute toxicity (inhalative): Lack of data.</p> <p>Skin corrosion/irritation: Skin Corrosion - Category 1B = Causes severe skin burns and eye damage.</p> <p>Serious eye damage/irritation: Eye Damage - Category 1 = Causes serious eye damage.</p> <p>Sensitisation to the respiratory tract: Lack of data.</p> <p>Skin sensitisation: Lack of data.</p> <p>Germ cell mutagenicity/Genotoxicity: Lack of data.</p> <p>Carcinogenicity: Lack of data.</p> <p>Reproductive toxicity: Lack of data.</p> <p>Effects on or via lactation: Lack of data.</p> <p>Specific target organ toxicity (single exposure): Lack of data.</p> <p>Specific target organ toxicity (repeated exposure): Lack of data.</p> <p>Aspiration hazard: Lack of data.</p>
Other information:	<p>Information about Sodium percarbonate: LD50 Rat, oral: 1,034 mg/kg</p> <p>Information about Disodium metasilicate: LD50 Rat, oral: 1,152 - 1,349 mg/kg</p>

## 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.

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

## 12. Ecological information

### Ecotoxicity

Aquatic toxicity:

Harmful effects on water organisms by modification of pH-value.

Contains phosphonates: May contribute to the eutrophication of water supplies.

### Mobility in soil

No data available

### Persistence and degradability

Further details:

No data available

### Additional ecological information

General information:

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.

### Package

Recommendation:

Rinse with water. Wrap waste as is appropriate for the type of material.

Single packs can be disposed of together with household waste.

## 14. Transport information

### UN number

ADR/RID, IMDG, IATA-DGR: not applicable

### 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 sulfate: TSCA Inventory: listed  
TSCA HPVC: not listed  
Sodium carbonate: TSCA Inventory: listed  
TSCA HPVC: not listed  
Sodium percarbonate: TSCA Inventory: listed  
TSCA HPVC: not listed  
Disodium metasilicate: TSCA Inventory: listed  
TSCA HPVC: not listed  
Citric acid, anhydrous: TSCA Inventory: listed  
TSCA HPVC: not listed

## 16. Other information

Text for labeling: Contains 10 - 20 % Sodium carbonate, 10 - 20 % Sodium percarbonate, < 10 % Disodium metasilicate, < 10 % Citric acid, anhydrous. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:  
Health: 2 (Moderate)  
Fire: 0 (Minimal)  
Reactivity: 0 (Minimal)

HMIS Version III Rating:  
Health: 2 (Moderate)  
Flammability: 0 (Minimal)  
Physical Hazard: 0 (Minimal)  
Personal Protection: X = Consult your supervisor

JT Baker Storage Color Code: Green (General Storage)

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
	X

Abbreviations and acronyms: Acute Toxicity: 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  
AS/NZS: Australian Standards/New Zealand Standards  
ATE: Acute toxicity estimate  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
CLP: Classification, Labelling and Packaging  
Corrosive to Metals: Corrosive to metals  
DMEL: Derived minimal effect level  
DNEL: Derived no-effect level  
EC: European Community  
EN: European Standard  
EQ: Excepted quantities  
Eye Damage: Eye damage  
Eye Irritation: 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  
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  
Oxidizing Solid: 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 Corrosion: Skin corrosion  
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 1: UFI**Date of first version: **9/5/2007****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/te8q5t1>

