

WMF Special Cleaner for Coffee-Machines

Material number 0037

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**1. Identification of the substance/ preparation
and of the company/ undertaking****Identification of the substance or preparation**

Trade name: WMF Special Cleaner for Coffee-Machines

Use of the substance/ preparation

Cleaning agent

Company/undertaking identification

Company name: IBEDA-CHEMIE Klaus P. Christ GmbH

Street/POB-No.: Am Eichelgärtchen 32

State/city/postal code: D-56283 Halsenbach

Email: info@ibeda-chemie.com

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Dept. responsible for information:

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

Emergency telephone

Beratungsstelle bei Vergiftung, Telephone: +49

(0)6131-19240

2. Hazards identification**Classification according to Directive 67/548/EEC or 1999/45/EC**

Xi

irritant

R 36/38

Irritating to eyes and skin.

Information pertaining to special dangers for human and environment

According to the pH value of 10,1 the product is not to be classified as corrosive.

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

3. Composition/ Information on ingredients

Chemical characterization (preparation)

Mixture of inorganic salts with organic materials

Hazardous ingredients:

CAS No.	EINECS / ELINCS	Chemical name	Content	classification
497-19-8	207-838-8	Sodium carbonate	10-20 %	Xi; R 36
15630-89-4	239-707-6	Sodium percarbonate	10-20 %	O; R8. Xn; R22. Xi; R36/38
6834-92-0	229-912-9	Disodium metasilicate	< 10 %	C; R34. Xi; R37
5949-29-1	201-069-1	Citric acid monohydrate	< 10 %	Xi; R36

4. First-aid measures

After 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 ventilation immediately, where required supply oxygen.

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In case of 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. Danger of foam aspiration! Immediately get medical attention. Do not induce vomiting.
Information to physician:	Treat symptomatically. Product reacts alkaline.

5. Fire-fighting measures

Suitable extinguishing media:	Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.
Special exposure hazards arising from the preparation itself, combustion products, resulting gases:	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.
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.

6. Accidental release measures

Personal precautions:	Avoid contact with the substance. Wear personal protection equipment. Do not breathe dust. Provide adequate ventilation.
Measures to protect the environment:	Do not allow to enter into ground-water, surface water or drains.
Methods for cleaning up:	Avoid generation of dust. Collect dry and place in appropriate containers for disposal, 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. 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.
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Storage

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

8. Exposure controls / Personal protection

Exposure limit values

Additional information: Please observe generally defined limit for dust:
TWA: 10 mg/m³ (inhalable dust)
TWA: 4 mg/m³ (respirable dust)

Exposure controls

In case of dust: Withdraw by suction.
See also information in chapter 7, section storage.

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 safety glasses 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.

9. Physical and chemical properties

Appearance

Physical state: solid, powder
Colour: white
Odour: odourless

Important health, safety and environmental information

pH value: at 10%: 10,1
Water solubility: very soluble

10. Stability and reactivity

Materials to avoid: strong acids and alkalis

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

Additional information: Product is hygroscopic. Product reacts alkaline.

11. Toxicological information

Toxicological Tests:

After inhalation: May cause irritations.

After swallowing: Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.
Risk of foam aspiration when vomiting.

In case of skin contact: Irritant.

After eye contact: Irritant.

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General remarks

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

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.
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.

Water Hazard Class: 2 = hazardous to water

Additional ecological information

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

13. Disposal considerations**Product**

Waste key number 200129* = 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.

14. Transport information**Land transport (ADR/RID)**

Product designation: Not restricted

Sea transport (IMDG)

Proper shipping name: Not restricted

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.

15. Regulatory information**Labelling (67/548/EEC or 1999/45/EC)**

Code letter and hazard symbol:
Xi irritant

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R phrase(s):	R 36/38	Irritating to eyes and skin.
S phrase(s):	S 2	Keep out of the reach of children.
	S 25	Avoid contact with eyes.
	S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S 37/39	Wear suitable gloves and eye/face protection.
Text for labelling	Contains 5-15% phosphonates, 15-30% oxygen-based bleaching agents.	

National regulations**National regulations - Great Britain**

Hazchem-Code: -

National regulations - Germany

Storage class: 13= Non-combustible solids

Water Hazard Class: 2 = hazardous to water

Informations on working limitations:

Observe employment restrictions concerning young persons.

National regulations - VS

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

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
	X

16. Other information**Further remarks**

R phrase(s): R 8 = Contact with combustible material may cause fire.
R 22 = Harmful if swallowed.
R 34 = Causes burns.
R 36 = Irritating to eyes.
R 36/38 = Irritating to eyes and skin.
R 37 = Irritating to respiratory system.

Reason of change: Changes in section 2: classification
Changes in section 3: Change of composition
Changes in section 12+15: Water Hazard Class
Changes in section 15: Changes in labelling
General revision

Group that issues data sheet

Contact person: see chapter 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.