

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

Identification of the substance or preparation

Name of product: WMF Special-Cleaning Tablets

Use of the substance / preparation

Cleaning agent

Company / undertaking identification

Company name: IBEDA-CHEMIE Klaus P. Christ GmbH

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Emergency telephone

Beratungsstelle bei Vergiftung

Telephone: +49 (0)6131-19240

2. Composition/information on ingredients

Dangerous ingredients:

CAS-No.	EINECS/ELINCS	chemical name	Content	Symbol(s)	R-phrase(s)
10332-33-9	234-390-0	Sodium perborate	15-25 %	O, Xn	8, 22, 36/38
497-19-8	207-838-8	Sodium carbonate	<= 35 %	Xi	36
7758-29-4	231-838-7	Sodium tripolyphosphate	<= 30 %	-	-
77-92-9	201-069-1	Citric acid	<= 10 %	Xi	36

3. Hazards identification

Classification

Product is classified and labelled in accordance with Directive 1999/45/EC as amended.



Irritant

R 36/38

Irritating to eyes and skin.

4. First aid measures

- After inhalation: Provide fresh air. Keep victim calm.
If breathing becomes irregular or ceases, apply mouth-to-mouth breathing or artificial ventilation immediately, where required administer oxygen. product reacts alkaline. (aqueous solution)
- After skin contact: After contact with skin, wash immediately with plenty of water.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Remove contact lenses.
Subsequently consult an ophthalmologist.

After swallowing: Drink large quantities of water. Do not induce vomiting. Seek medical attention.
Information to physician: Treat symptomatically.
Rinse mouth with water. product reacts alkaline.

5. Fire fighting measures

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:

If possible, do not extinguish with water.

Special exposure hazards arising from the preparation itself, combustion products, resulting gases:

Exceeding 60 °C delamination of oxygen.

Additional information:

product reacts alkaline. (aqueous solution)

Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

6. Accidental release measures

Personal precautions:

Provide adequate ventilation.

Wear personal protection equipment.

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

Environmental precautions:

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

Methods for cleaning up:

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

Information for safe handling:

Provide adequate ventilation.

Whenever possible use closed equipment with this product.

Avoid generation of dust.

In the case of the formation of dust: Use local exhaust.

Storage

Requirements for storerooms and containers:

Keep container tightly closed and dry. Keep in a cool place.

Information about storage in one common storage facility:

Avoid contact with heavy metals and acids.

Storage class:

13

Specific use(s)

product reacts alkaline. (aqueous solution)

8. Exposure controls / personal protection

Exposure limit values

CAS-No.	chemical name	type	value
10332-33-9	Sodium perborate	WEL (= German AGW)	0,5 mg/m ³

Exposure controls

See information in chapter 7, section storage.

Occupational exposure controls

- Respiratory protection: With the formation of dust, use a dust mask. (according to EN 141)
- Hand protection: Chemically resistant gloves according to EN 374.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Eye protection: Tightly sealed safety glasses according to EN 166.
- General protection and hygiene measures:
Wash hands before breaks and at the end of work.

9. Physical and chemical properties**Appearance**

- Physical state: solid, tablets
Colour: white
Odour: odourless

Important health, safety and environmental information

- Melting point / melting range: ≥ 100 °C
pH value: at 20 °C, 10 g/l: 9,6
Solubility in water: at 80 °C: easily soluble
Thermal decomposition: Exceeding 60 °C delamination of oxygen.

10. Stability and reactivity

- Conditions to avoid: Contact with acids liberates carbon dioxide.
Product in aqueous solution develops hydrogenium peroxide
- Materials to avoid: Avoid contact with heavy metals and acids.
- Thermal decomposition: Exceeding 60 °C delamination of oxygen.

11. Toxicological information**Toxicological Tests:**

- After swallowing: Absorption of large quantities of phosphates may lead to gastrointestinal reactions, vomiting and diarrhea.
- After skin contact: irritant
- After eye contact: irritant

General remarks

product reacts alkaline. (aqueous solution)

12. Ecological information**Ecotoxicity**

Water Hazard Class: 1 mild water pollutant

Details of elimination

Effects in sewage plants: In waste water: Sodium carbonate and hydrogenium peroxide.

Additional ecological information

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

13. Disposal considerations

Product

Waste key number 070699 = Wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics.

MFSU = manufacture, formulation, supply and use

Recommendation: Waste disposal according to official state regulations.
Smaller amounts: Dilute with a large quantity 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.
Large amounts: Waste key number EU: 150110 = Packings containing harmful residue.

14. Transport information

Overland transport

Remarks: ADR: not applicable
RID: not applicable

Transport by sea

Remarks: not applicable

Air transport

Remarks: Not restricted

Additional information

Not a hazardous material with respect to transportation regulations.

15. Regulatory information

Classification

Code letter and hazard symbol:



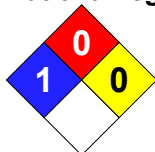
Irritant

R phrase(s): R 36/38 Irritating to eyes and skin.
S phrase(s): S 2 Keep out of the reach of children.
S 22 Do not breathe dust.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Text for labelling: contains phosphates, oxygen-based bleaching agents and Sodium carbonate

National regulations**National regulations - Germany**

Storage class: 13
Water Hazard Class: 1 mild water pollutant
Hazard group: A, HB
Protection level: 2

National regulations - USA

NFPA Hazard Rating:

- Health = 1 (Slight)
- Fire = 0 (Minimal)
- Reactivity = 0 (Minimal)

16. Other information**Further remarks**

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

Reason of change: Changes in section 8: WEL (= German AGW)

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.