

WMF Special-Cleaning Granulate

Material number 0072

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1. Product and company identification

Identification of the substance or preparation

Trade name: WMF Special-Cleaning Granulate

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

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

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

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

Emergency overview

Physical state: solid, granulate

Color: white

Odor: odorless

Warning

irritant

Regulatory status

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

Potential Health Effects

Irritating to eyes and skin.

Critical hazard to man and environment:According to the pH value of 10,5 the product is not to be classified as corrosive.
refer to chapter 11: Toxicological information

3. Composition/ Information on ingredients

Chemical characterization (preparation)

Mixture of inorganic salts with organic materials

Hazardous ingredients:

CAS-No.	Chemical name	Content
497-19-8	Sodium carbonate	25-50 %
5949-29-1	Citric acid monohydrate	10-15 %
70693-62-8	Potassium peroxomonosulfate	< 10 %
22042-96-2	[[[(Phosphonomethyl)imino]bis[(ethylenenitrilo)bis(methylene)]]tetrakisphosphonic acid, sodium salt	< 10 %

4. First-aid measures

In case of inhalation: Provide fresh air. In case of respiratory difficulties seek medical attention.

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- In case of 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. Subsequently consult an ophthalmologist.
- After swallowing: Rinse mouth and drink large quantities of water. Consult physician.

Information to physician:

Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media:

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

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

Fires in the immediate vicinity may cause the development of dangerous vapors.

In case of fire may be liberated: Sodium compounds, sulfur oxides, carbon monoxide and carbon dioxide.

Special protective equipment for fire-fighters:

Wear a self-contained breathing apparatus and chemical resistant suit.

Additional information:

Fire water reacts alkaline. 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 skin and eyes.

Avoid generation of dust. Do not breathe dust.

Environmental precautions:

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

Methods for cleaning up:

Take up mechanically, placing in appropriate containers for disposal.

Wash spill area with plenty of water.

7. Handling and storage

Handling

Information for safe handling:

In case of dust: Withdraw by suction. Do not breathe dust.

Avoid contact with skin and eyes.

Storage

Requirements for storerooms and containers:

Store in a dry place.

8. Exposure controls / personal protection

Exposure guidelines

Additional information:

Please observe generally defined limit for dust:

OSHA-TWA USA: 15 mg/m³ (total dust)OSHA-TWA USA: 5 mg/m³ (respirable fraction)**Engineering controls**

Provide adequate ventilation. Vent dust from the work area.

See also information in chapter 7, section storage.

Eye protection:

Tightly sealed safety glasses according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2003.

Skin protection:

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.

Personal protection equipment

Respiratory protection: In case of dust: Dust mask or particulates filter according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

General protection and hygiene measures:

Wash hands before breaks and after work.

9. Physical and chemical properties**Appearance**

Physical state: solid, granulate
Color: white
Odor: odorless

Important health, safety and environmental information

Density: approx. 2 g/cm³
pH value: 10,5
Solubility in water: soluble

10. Stability and reactivity

Materials to avoid strong acids and alkalis

Hazardous decomposition products

In case of fire may be liberated: Sodium compounds, sulfur oxides, carbon monoxide and carbon dioxide.

11. Toxicological information**Toxicological Tests:**

In case of inhalation: May cause irritations.
After swallowing: Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.
In case of skin contact: irritant
After eye contact: irritant

General remarks

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

12. Ecological information**Ecotoxicity**

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

Additional ecological information

Volatile organic compounds (VOC):
0 % by weight
General information: Do not allow to enter ground water, sewage or drains.

13. Disposal considerations**Product**

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

14. Transport information

USA: Department of Transportation (DOT)

Proper Shipping Name: Not controlled under DOT.

Transport by sea (IMDG)

Proper shipping name: Not restricted

Air transport (IATA)

Proper shipping name: Not restricted

Overland transport (ADR/RID)

Product designation: Not restricted

Canada: Transportation of Dangerous Goods (TDG)

Shipping Name: Not controlled under TDG.

Additional information

Not a hazardous material with respect to transportation regulations.

15. Regulatory information

U.S. Federal Regulations

Sodium carbonate:

TSCA Inventory: listed

TSCA HPVC: not listed

Citric acid monohydrate:

TSCA listed: Citric acid anhydrous CAS 77-92-9

Potassium peroxomonosulfate:

TSCA Inventory: listed

TSCA HPVC: not listed

[[[Phosphonomethyl)imino]bis[(ethylenenitrilo)bis(methylene)]] tetrakisphosphonic acid, sodium salt:

TSCA Inventory: listed

TSCA HPVC: not listed

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 - EC member states

Code letter and hazard symbol:

Xi 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 24/25 Avoid contact with skin and eyes.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Text for labeling: Contains 5-15% phosphonates.

16. Other information

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	

Reason of change: Changes in section 3: Change of composition
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.