

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

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

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Dept. responsible for information:

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Emergency telephone

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2. Hazards identification

Classification according to directive 67/548/EEC or 1999/45/EC:



Xi

irritant

R 36/38

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.

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	25-50 %	Xi; R 36
5949-29-1	201-069-1	Citric acid monohydrate	10-15 %	Xi; R36
70693-62-8	274-778-7	Potassium peroxomonosulfate	< 10 %	C; R34. R52. Xn; R22
22042-96-2	244-751-4	[[[(Phosphonomethyl)imino]bis[(ethylenenitrilo)bis(methylene)]]tetrakisphosphonic acid, sodium salt	< 10 %	Xi; R 36/38

4. First-aid measures

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

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 vapours.

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.

Storage class:

13= Non-combustible solids

8. Exposure controls / Personal protection

Exposure limit values

Additional information:

Please observe generally defined limit for dust:

TWA Great Britain: 10 mg/m³ (inhalable dust)

TWA Great Britain: 4 mg/m³ (respirable dust)

Exposure controls

Provide adequate ventilation. Vent dust from the work area.

See also information in chapter 7, section storage.

Occupational exposure controls

Respiratory protection:

In case of dust: Dust mask or particulates filter according to EN 143.

Hand protection:

Protective gloves according to EN 374.

Glove material: Nitrile rubber or butyl caoutchouc (butyl rubber).

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 after work.

9. Physical and chemical properties

Appearance

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

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.
Water Hazard Class: 1 = slightly hazardous to water

Additional ecological information

General information: Do not allow to enter ground water, sewage 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: Waste key number 150101 - paper and cardboard packaging
Waste key number 150102 - Plastic packaging: PVC/PVDC
Waste key number 150104 - Metallic packaging: Aluminium

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

Product designation: Not restricted

Transport by sea (IMDG)

Proper shipping name: Not restricted

Air transport (IATA)

Proper shipping name: Not restricted

Additional information

Not a hazardous material with respect to transportation regulations.

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

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 labelling Contains 5-15% phosphonates.

National regulations**National regulations - Great Britain**

Hazchem-Code: -

National regulations - Germany

Storage class: 13= Non-combustible solids

Water Hazard Class: 1 = slightly hazardous to water

Informations on working limitations:

Observe employment restrictions concerning young persons.

National regulations - EC member states

Volatile organic compounds (VOC):

0 % by weight

National regulations - USA

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 22 = Harmful if swallowed.
R 34 = Causes burns.
R 36 = Irritating to eyes.
R 36/38 = Irritating to eyes and skin.
R 52 = Harmful to aquatic organisms.

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.