

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name: Special Cleaning Tablets for WMF Milk System

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

General use: Cleaning agent

### 1.3 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: 56283 Halsenbach

Germany

E-mail: 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

### 1.4 Emergency telephone number

**GIZ Mainz, Germany,  
Telephone: +49 (0)6131-19240**

**Transport:**

**CONSULTANK Lutz Harder GmbH (Contract QUALI003)**

**Telephone: +49 (178) 4337434 (from USA: 01149 178 4337434)**

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to EC regulation 1272/2008 (CLP)

Acute Tox. 4; H302	Harmful if swallowed.
Skin Corr. 1B; H314	Causes severe skin burns and eye damage.
Skin Sens. 1; H317	May cause an allergic skin reaction.
STOT SE 3; H335	May cause respiratory irritation.
Aquatic Chronic 3; H412	Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling (CLP)



Signal word:

**Danger**

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Hazard statements:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

P102	Keep out of reach of children.
P280	Wear protective gloves/protective clothing/eye protection.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.

**Special labelling**

Text for labelling: Contains Maleic acid and Potassium peroxomonosulfate.  
 Contains 5-15% oxygen-based bleaching agents.

**2.3 Other hazards**

No risks worthy of mention.

**SECTION 3: Composition / information on ingredients**

3.1 Substances: not applicable

**3.2 Mixtures**

Chemical characterisation: tablet of the substances listed below with non-hazardous additions

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 201-069-1 CAS 77-92-9	Citric acid, anhydrous	< 40 %	Eye Irrit. 2; H319.
EC No. 203-742-5 CAS 110-16-7	Maleic acid	25 - 35 %	Acute Tox. 4; H302. Skin Irrit. 2; H315. Eye Irrit. 2; H319. Skin Sens. 1; H317. STOT SE 3; H335.
EC No. 226-218-8 CAS 5329-14-6	Sulphamidic acid	10 - 20 %	Skin Irrit. 2; H315. Eye Irrit. 2; H319. Aquatic Chronic 3; H412.
EC No. 274-778-7 CAS 70693-62-8	Potassium peroxomonosulfate	5 - 15 %	Met. Corr. 1; H290. Acute Tox. 4; H302. Skin Corr. 1B; H314. Aquatic Chronic 3; H412.

Full text of H- and EUH-statements: see section 16.

**SECTION 4: First aid measures**
**4.1 Description of first aid measures**

General information: Move victim to fresh air; if necessary, provide artificial respiration or oxygen.

In case of inhalation:	Provide fresh air. In case of respiratory difficulties seek medical attention.
Following skin contact:	After contact with skin, wash immediately with soap and plenty of water. Change contaminated clothing. 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 consult an ophthalmologist.
After swallowing:	Never give anything by mouth to an unconscious person. Rinse mouth and drink large quantities of water. Do not induce vomiting. Immediately get medical attention.

#### **4.2 Most important symptoms and effects, both acute and delayed**

Causes severe skin burns and eye damage. May cause an allergic skin reaction.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media:

Water fog, alcohol resistant foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High power water jet

### **5.2 Special hazards arising from the substance or mixture**

In case of fire may be liberated: Nitrogen oxides (NO<sub>x</sub>), sulphur oxides, Carbon monoxide and carbon dioxide.

### **5.3 Advice for firefighters**

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Hazchem-Code: 2X

Cool endangered containers with water spray and, if possible, remove from danger zone.

Use water spray jet to knock down vapours.

Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes. Avoid generation of dust. Do not breathe dust. Wear personal protection equipment.

In case of dust formation: Provide adequate ventilation.

### **6.2 Environmental precautions**

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

### **6.3 Methods and material for containment and cleaning 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.

## 6.4 Reference to other sections

Refer additionally to section 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling: Avoid contact with skin and eyes. Avoid generation of dust. Do not breathe dust. Wear personal protection equipment. When using do not eat, drink or smoke.

In case of dust formation: Provide adequate ventilation, and local exhaust as needed.

Precautions against fire and explosion:

Usual measures for fire prevention.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and dry. Store at room temperature.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

Storage class:

8B = Non-combustible corrosive substances

### 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values:

Type	Limit value
Great Britain: WEL-TWA	10 mg/m <sup>3</sup> Dust limit value inhalable fraction
Great Britain: WEL-TWA	4 mg/m <sup>3</sup> Dust limit value respirable fraction
Ireland: 8 hours	10 mg/m <sup>3</sup> Dust limit value inhalable fraction
Ireland: 8 hours	4 mg/m <sup>3</sup> Dust limit value respirable fraction

Additional information: TWA: 10 mg/m<sup>3</sup> (inhalable dust)

TWA: 4 mg/m<sup>3</sup> (respirable dust)

### 8.2 Exposure controls

Provide fresh air. Dust should be exhausted directly at the point of origin.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: In case of dust formation: Dust mask/Particulates filter P2 according to EN 143.

Hand protection:

Protective gloves according to EN 374.

Glove material: Nitrile rubber-Layer thickness: 0.11 mm.

Breakthrough time: >480 min.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection:

Tightly sealed goggles according to EN 166.

Body protection:

Recommended: Wear suitable protective clothing.

## General protection and hygiene measures:

Avoid contact with skin and eyes. Change contaminated clothing. Provide a conveniently located eye rinse station. When using do not eat or drink. Wash hands before breaks and after work.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance:	Form: solid, Tablets
Odour:	no data available
Odour threshold:	no data available
pH value:	no data available
Melting point/freezing point:	no data available
Initial boiling point and boiling range:	no data available
Flash point/flash point range:	no data available
Evaporation rate:	no data available
Flammability:	no data available
Explosion limits:	no data available
Vapour pressure:	no data available
Vapour density:	no data available
Density:	no data available
Solubility:	no data available
Partition coefficient: n-octanol/water:	no data available
Auto-ignition temperature:	no data available
Thermal decomposition:	no data available
Viscosity, kinematic:	no data available
Explosive properties:	no data available
Oxidizing characteristics:	no data available

**9.2 Other information**

Additional information: no data available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Refer to 10.3

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

No dangerous reactions with proper and specified storage and handling

**10.4 Conditions to avoid**

humidity. Protect from excessive heat. Avoid generation of dust.

## 10.5 Incompatible materials

no data available

## 10.6 Hazardous decomposition products

In case of fire may be liberated: Nitrogen oxides (NO<sub>x</sub>), sulphur oxides, Carbon monoxide and carbon dioxide.

Thermal decomposition: no data available

# SECTION 11: Toxicological information

## 11.1 Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Acute Tox. 4; H302 = Harmful if swallowed.

ATEmix (calculated): 300 <ATE< 2000.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation, eye damage/irritation: Skin Corr. 1B; H314 = Causes severe skin burns and eye damage.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): STOT SE 3; H335 = May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

## Symptoms

In case of inhalation: Inhalation of dust may cause irritation of the respiratory system.

Other symptoms: cough, shortage of breath. Pulmonary edema is possible.

Symptoms may occur with delay.

In case of ingestion:

Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

Other symptoms: Abdominal pain, vomiting, burns.

After eye contact: Dust contact with the eyes can lead to mechanical irritation.

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.  
The product has not been tested. The statement is derived from the properties of the single components.

### 12.2. Persistence and degradability

Further details: no data available

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:  
no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

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

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number: 20 01 29\* = Detergents containing dangerous substances.  
\* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.

#### Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.  
Non-contaminated packages may be recycled.

## SECTION 14: Transport information

### 14.1 UN number

ADR/RID, IMDG, IATA-DGR:  
UN 1759

### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:  
UN 1759, CORROSIVE SOLID, N.O.S. (Potassium peroxomonosulfate)



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**14.3 Transport hazard class(es)**

ADR/RID: Class 8, Code: C10  
IMDG: Class 8, Subrisk -  
IATA-DGR: Class 8

**14.4 Packing group**

ADR/RID, IMDG, IATA-DGR:  
III

**14.5 Environmental hazards**

Marine pollutant: No

**14.6 Special precautions for user****Land transport (ADR/RID)**

Warning board: ADR/RID: Kemmler-number 80, UN number UN 1759  
Hazard label: 8  
Special provisions: 274  
Limited quantities: 5 kg  
EQ: E1  
Contaminated packaging - Instructions: P002 - IBC08 - LP02 - R001  
Contaminated packaging - Special provisions: B3  
Special provisions for packing together: MP10  
Portable tanks - Instructions: T1  
Portable tanks - Special provisions: TP33  
Tank coding: SGAV - L4BN  
Tunnel restriction code: E

**Sea transport (IMDG)**

EmS: F-A, S-B  
Special provisions: 223, 274  
Limited quantities: 5 kg  
EQ: E1  
Contaminated packaging - Instructions: P002, LP02  
Contaminated packaging - Provisions: -  
IBC - Instructions: IBC08  
IBC - Provisions: B3  
Tank instructions - IMO: -  
Tank instructions - UN: T1  
Tank instructions - Provisions: TP33  
Stowage and handling: Category A.  
Properties and observations: Causes burns to skin, eyes and mucous membranes.  
Segregation group: none

**Air transport (IATA)**

Hazard: Corrosive  
EQ: E1  
Passenger Ltd. Qty.: Pack.Instr. Y845 - Max. Net Qty/Pkg. 5 kg  
Passenger: Pack.Instr. 860 - Max. Net Qty/Pkg. 25 kg  
Cargo: Pack.Instr. 864 - Max. Net Qty/Pkg. 100 kg  
Special Provisioning: A3 A803  
ERG: 8L



## 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no data available

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations - Great Britain

Hazchem-Code: 2X  
No data available

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## SECTION 16: Other information

### Further information

Wording of the H-phrases under paragraph 2 and 3:

- H290 = May be corrosive to metals.
- H302 = Harmful if swallowed.
- H314 = Causes severe skin burns and eye damage.
- H315 = Causes skin irritation.
- H317 = May cause an allergic skin reaction.
- H319 = Causes serious eye irritation.
- H335 = May cause respiratory irritation.
- H412 = Harmful to aquatic life with long lasting effects.

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### Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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.