

1. Product and company identification

Identification of the substance or preparation

Name of product: Cleaning Powder for Coffee Queen Coffeemachines

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, Powder
Color: white
Odor: odorless**Danger**
corrosive

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

Causes burns.

Critical hazard to man and environment:

refer to chapter 11: Toxicological information

3. Composition/information on ingredients

Dangerous ingredients:

CAS-No.	Chemical name	Content
10332-33-9	Sodium perborate	<= 50 %
7758-29-4	Sodium tripolyphosphate	<= 30 %
6834-92-0	Disodium metasilicate	<= 20 %

4. First aid measures

Following 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.

Special exposure hazards arising from the preparation itself, combustion products, resulting gases: Exposure to fire produces thick, black smoke that is hazardous to health.

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.

Further details: Product reacts alkaline. (aqueous solution)
Product is hygroscopic.

8. Exposure controls / personal protection

Exposure guidelines

Additional information: Please observe generally defined limit for dust:
OSHA-TWA: 15 mg/m³ (total dust)
OSHA-TWA: 5 mg/m³ (respirable fraction)

Engineering controls

See information in chapter 7, section storage.

Eye protection: tightly sealed safety glasses (according to EN 166)

Skin protection: Chemically resistant gloves (according to EN 374)
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Personal protection equipment

Respiratory protection: With the formation of dust, use a dust mask. (according to EN 141)

General protection and hygiene measures:

Wash hands before breaks and at the end of work.

9. Physical and chemical properties

Appearance

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

Important health, safety and environmental information

Melting point / melting range: $\geq 50\text{ }^{\circ}\text{C}$
Vapor pressure: at $20\text{ }^{\circ}\text{C}$: $\leq 0,1\text{ hPa}$
Package density: 850 kg/m^3
pH value: at $20\text{ }^{\circ}\text{C}$, 100 g/l: 11-12
Solubility in water: at $50\text{ }^{\circ}\text{C}$: soluble
Thermal decomposition: $>80\text{ }^{\circ}\text{C}$

10. Stability and reactivity

Chemical stability: Product reacts alkaline. (aqueous solution)
Product is hygroscopic.
Hazardous decomposition products: Exposure to fire produces thick, black smoke that is hazardous to health.
Thermal decomposition: $>80\text{ }^{\circ}\text{C}$

11. Toxicological information

Toxicological Tests:

Following inhalation: irritant
After swallowing: corrosive
After skin contact: Caustic effect on skin and mucous membranes.
After eye contact: corrosive

General remarks

Product reacts alkaline. (aqueous solution)

12. Ecological information

Ecotoxicity

Aquatic toxicity: Harmful to aquatic organisms.

Additional ecological information

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

13. Disposal considerations

Product

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

USA: Department of Transportation (DOT)

Identification Numbers	UN3262
Proper Shipping Name	Corrosive solid, basic, inorganic, n.o.s.
DOT Hazard Class or Division	8
PG	II
Label Codes	8
Symbols	G
Special Provisions	IB8, IP2, IP4, T3, TP33
Packaging: Exceptions	154
Packaging: Non-bulk	212
Packaging: Bulk	240
Quantity Limitations: Passenger Aircraft / Rail	15 kg
Quantity Limitations: Cargo only	50 kg
Vessel Stowage: Location	B
Vessel Stowage: Other	52

**Transport by sea (IMDG)**

UN number:	3262
Proper shipping name:	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. contains Sodium metasilicate
IMDG:	Class 8, Code -,•
Packing Group:	II
EmS:	F-A, S-B
Special provisions	274, 944
Limited quantities	1 kg
Contaminated packaging: Instructions	P002
Contaminated packaging: Provisions	-
IBC: Instructions	IBC08
IBC: Provisions	B2, B4
Tank instructions: IMO	-
Tank instructions: UN	T3
Tank instructions Provisions	TP33
Stowage and segregation	Category B. "Separated from" acids.
Properties and observations	Reacts violently with acids. Causes burns to skin, eyes and mucous membranes.



Air transport (IATA)

UN/ID number: 3262
Proper shipping name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.
contains Sodium metasilicate
Class 8
Hazard Corrosive
PG II
EQ E2
Passenger Ltd.Qty.: Y814 - Maximum quantity: 5 kg
Passenger: 814 - Maximum quantity: 15 kg
Cargo: 816 - Maximum quantity: 50 kg
Special Provisioning A3
ERG 8L

**Overland transport (ADR/RID)**

Warning board: ADR/RID: Kemmler-number 80, UN number 3262
Product designation: UN 3262, CORROSIVE SOLID, BASIC, INORGANIC,
N.O.S.
contains Sodium metasilicate
Class 8, Code: C6
ADR/RID II
Packaging group 8
Label 8
Special provisions 274
Limited quantities LQ23
EQ E2
Contaminated packaging: Instructions P002 IBC08
Contaminated packaging: Special provisions B4
Special provisions for packing together MP10
Portable Tanks: Instructions T3
Portable Tanks: Special provisions TP33
Tank coding L4BN SGAN
Tunnel restriction code: E

**Canada: Transportation of Dangerous Goods (TDG)**

UN Number UN3262
Shipping Name CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.
TDG Class 8
Packing Group II
Special Provisions 16
Explosive Limit and Limited Quantity Index 1
Passenger Carrying Road or Rail Index 15
Marine Pollutant •

**15. Regulatory information****U.S. Federal Regulations**

Sodium perborate: TSCA: listed
Sodium tripolyphosphate: TSCA Inventory: listed
TSCA HPVC: not listed
Clean Water Act:
Hazardous Substances: RQ 5000 lbs.
Other Environmental Laws:
CERCLA: RQ 5000 lbs.
Disodium metasilicate: TSCA Inventory: listed
TSCA HPVC: not listed

National regulations - EC member states

Code letter and hazard symbol:

C

corrosive

R phrase(s):

R 34

Causes burns.

S phrase(s):

S (1/2)

Keep locked up and out of the reach of children.

S 26

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

S 28

After contact with skin, wash immediately with plenty of water.

S 37/39

Wear suitable gloves and eye/face protection.

S 45

In case of accident or if you feel unwell, seek medical advice immediately (show this label if possible).

S 64

If swallowed, rinse mouth with water (only if the person is conscious).

16. Other information

Text for labeling

contains phosphates, oxygen-based bleaching agents and sodium metasilicate

Hazard rating systems

NFPA Hazard Rating:

Health: 2 (Moderate)

Fire: 0 (Minimal)

Reactivity: 0 (Minimal)



Reason of change:

Changes in section 14: ADR 2009, IATA-DGR 50th Edition

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.