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

1.1 Product identifier

Trade name: Cleaning Tablets

UFI: D300-P0FQ-V007-G3TT

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
Department responsible for information:
Herr Dohmann, Telephone: +49 (0)6747-9501-16 (Only available during office hours.)

Additional information: Source of supply, other:

BSH Home Appliances Ltd.
M50 Business Park
IRL-Dublin 12 Ballymount
Telephone: 01450 2655
E-mail: mks-spares-ie@bshg.com

1.4 Emergency telephone number

Poisons Information Centre of Ireland
Telephone: 01 809 2566

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Skin Irrit. 2; H315 Causes skin irritation.
Eye Dam. 1; H318 Causes serious eye damage.

2.2 Label elements

Labelling (CLP)

Signal word: **Danger**

Hazard statements:	H315	Causes skin irritation.
	H318	Causes serious eye damage.
Precautionary statements:		
	P102	Keep out of reach of children.
	P264	Wash hands thoroughly after handling.
	P302+P352	IF ON SKIN: Wash with plenty of water/soap.
	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.
	P332+P313	If skin irritation occurs: Get medical advice/attention.

Special labelling

Text for labelling: Contains Pentapotassium bis(peroxymonosulphate) bis(sulphate).
Labelling for contents according to regulation (EC) No 648/2004, annex VII:
- 5% - <15% phosphonates
- 15% - <30% oxygen-based bleaching agents

Special provisions concerning the labelling of certain mixtures:
In case of handling larger quantities:
P280 Wear protective gloves/protective clothing/eye protection.

2.3 Other hazards

May be harmful if swallowed. May intensify fire; oxidiser.
Contains phosphonates. May contribute to the eutrophication of water supplies.

Endocrine disrupting properties, Results of PBT and vPvB assessment:
The product contains no components classified as PBT or as vPvB at concentrations of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Mixture of inorganic salts with organic materials

Hazardous ingredients:

Identifiers	Designation Classification	Content
EC No. 207-838-8 CAS 497-19-8	Sodium carbonate Eye Irrit. 2; H319.	25 - 30 %
REACH 01-2119457268-30-xxxx EC No. 239-707-6 CAS 15630-89-4	Sodium percarbonate Ox. Sol. 3; H272. Acute Tox. 4; H302. Eye Dam. 1; H318. Specific concentration limits (SCL): Eye Dam. 1; H318: C > 25 % Eye Irrit. 2; H319: 7.5 % ≤ C < 25 %	15 - 20 %
REACH 01-2119510382-52-xxxx EC No. 223-267-7 CAS 3794-83-0	Tetrasodium (1-hydroxyethylidene)bisphosphonate Acute Tox. 4; H302. Eye Irrit. 2; H319.	10 - 15 %
REACH 01-2119457026-42-xxxx EC No. 201-069-1 CAS 77-92-9	Citric acid, anhydrous Eye Irrit. 2; H319. STOT SE 3; H335.	5 - 10 %
REACH 01-2119485567-22-xxxx EC No. 274-778-7 CAS 70693-62-8	Pentapotassium bis(peroxymonosulphate) bis(sulphate) Acute Tox. 4; H302. Skin Corr. 1B; H314. Eye Dam. 1; H318. Aquatic Chronic 3; H412.	< 5 %

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

Additional information: Contains polyethylene glycol. The maximum workplace exposure limits are, where necessary, listed in section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: If medical advice is needed, have product container or label at hand.
Take off contaminated clothing and wash it before reuse.

In case of inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.

Following skin contact: Immediately clean with water and soap followed by thorough rinsing. 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. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently seek the immediate attention of an ophthalmologist.

After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye damage.
Causes skin irritation.

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:

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Extinguishing media which must not be used for safety reasons:

Full water jet

5.2 Special hazards arising from the substance or mixture

Fires in the immediate vicinity may cause the development of dangerous vapours.
In case of fire may be liberated: Sodium compounds, sulphur oxides, phosphorus compounds, 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:

Cool endangered containers with water spray and, if possible, remove from danger zone. Use water spray jet to knock down vapours. Do not inhale dust or gases/vapours generated by fire. Fire water reacts alkaline. Do not allow water used to extinguish fire to enter drains, ground or waterways. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid generation of dust. Do not breathe dust. Avoid contact with the substance.
If possible, eliminate leakage. Provide adequate ventilation.
Wear appropriate protective equipment. Keep unprotected people away.
Take off contaminated clothing and wash it before reuse.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.
If necessary notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

Avoid generation of dust.
Take up mechanically, placing in appropriate containers for disposal.
Wash spill area with plenty of 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: Provide adequate ventilation, and local exhaust as needed. Avoid generation of dust. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.
Have eye wash bottle or eye rinse ready at work place.

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 in a well-ventilated place.
Keep container dry. Keep only in the original container.
Protect from heat and direct sunlight.

Hints on joint storage: Do not store together with highly inflammable or combustible materials.
Keep away from: Strong acids, alkalis.
Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

Cleaning agent

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

Type	Limit value
Ireland: 8 hours	10 mg/m³ (Dust limit value, inhalable fraction)
Ireland: 8 hours	4 mg/m³ (Dust limit value, respirable fraction)

8.2 Exposure controls

Provide adequate ventilation. 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.
Respiratory protection must be worn whenever the WEL levels have been exceeded.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

Hand protection: In case of handling larger quantities:
Protective gloves according to I.S. EN ISO 374:1.
Glove material: Nitrile rubber or butyl caoutchouc (butyl rubber).
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: In case of handling larger quantities:
Tightly sealed goggles according to I.S. EN ISO 16321-1:2022.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:

Avoid generation of dust. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Have eye wash bottle or eye rinse ready at work place.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	solid Form: Tablets
Colour:	white
Odour:	odourless
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	Not applicable
Decomposition temperature:	No data available
pH:	at 10%: 9 - 10
Viscosity, kinematic:	No data available
Water solubility:	soluble
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	No data available
Density:	approx. 2 g/cm³
Vapour density:	No data available
Particle characteristics:	No data available

9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Evaporation rate:	No data available
Additional information:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Product is hygroscopic.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Humidity. Excessive heating. Avoid generation of dust.

10.5 Incompatible materials

Strong acids and alkalis

10.6 Hazardous decomposition products

No decomposition when used properly.

Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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): Based on available data, the classification criteria are not met. ATEmix (calculated): 2,000 mg/kg < ATE <= 5,000mg/kg.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.

Serious eye damage/irritation: Eye Dam. 1; H318 = Causes serious eye damage.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

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): Lack of data.

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

Aspiration hazard: Lack of data.

11.2 Information on other hazards

Endocrine disrupting properties:

No data available

Other information:

Information about Sodium percarbonate (CAS: 15630-89-4):
LD50 Rat, oral: 1,034 - 2,000 mg/kg.

Information about (1-Hydroxyethylidene)bisphosphonic acid, sodium salt (CAS: 3794-83-0):
LD50 Rat, oral: > 940 mg/kg.(OECD 401)
LD50 Rabbit, dermal: > 1,550 mg/kg. (OECD 402)

Information about Pentapotassium bis(peroxymonosulphate) bis(sulphate) (CAS:70693-62-8):
LD50 Rat, oral: 500 mg/kg.(OECD 423)
LD50 Rabbit, dermal: > 2,000 mg/kg.(OECD 402)

Symptoms

In case of ingestion:
Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.
After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Information about Sodium percarbonate (CAS: 15630-89-4):
Algae toxicity:
EC50 Chlorella vulgaris: 7.7 mg/L (calculated, read across hydrogen peroxide)
Daphnia toxicity:
EC50 Daphnia pulex (water flea): 4.9 mg/L/48h
NOEC Daphnia pulex (water flea): 2.0 mg/L/48h
Fish toxicity:
LC50 Pimephales promelas (fathead minnow): 70.7 mg/L/96h

Information about Pentapotassium bis(peroxymonosulphate) bis(sulphate) (CAS:70693-62-8):
Fish toxicity:
LC50 Oncorhynchus mykiss: 53 mg/L/96h (OECD 203)
NOEC Oncorhynchus mykiss: 27 mg/L/96h (OECD 203)
LC50 Cyprinodon variegates: 1.09 µg/L/96h
Daphnia toxicity:
LC50 Americamysis bahia: 1.18 µg/L/96h
NOEC Americamysis bahia: 889 µg/L/96h
Daphnia toxicity:
ErC50 Skeletonema costatum: 489 µg/L/96h (OECD 201)
NOEC Skeletonema costatum: 444 µg/L/96h (OECD 201)

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

The product contains no components classified as PBT or as vPvB at concentrations of 0.1% or higher.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

General information: Contains phosphonates. May contribute to the eutrophication of water supplies.
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 hazardous substances.
* = Evidence for disposal must be provided.

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

Package

Recommendation: Waste key number 150101 - Paper and cardboard packaging
Waste key number 150102 - Plastic packaging: PVC/PVDC
Waste key number 150104 - Metallic packaging: Aluminium

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR:

not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

14.4 Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

14.5 Environmental hazards

Dangerous for the environment:

Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant: no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations - EC member states

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 75

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

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

H315 = Causes skin irritation.
H318 = Causes serious eye damage.
H319 = Causes serious eye irritation.
H272 = May intensify fire; oxidiser.
H302 = Harmful if swallowed.
H335 = May cause respiratory irritation.
H314 = Causes severe skin burns and eye damage.
H412 = Harmful to aquatic life with long lasting effects.

Reason of change: General revision
Date of first version: 26/6/2019

Department issuing data sheet:

see section 1: Department responsible for information

Abbreviations and acronyms:

Acute Tox.: Acute toxicity
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
ATE: Acute toxicity estimate
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
EN: European Standard
EQ: Excepted quantities
EU: European Union
Eye Dam.: Eye damage
Eye Irrit.: Eye irritation
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LC50: Median lethal concentration
LD50: Lethal dose 50%
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD: Organisation for Economic Co-operation and Development
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
Ox. Sol.: Oxidising solids
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.: Skin corrosion
Skin Irrit.: Skin irritation
STOT SE: Specific target organ toxicity - single exposure
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

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.

Most recent product information is available at:
http://sumdat.net/m1xwehas