SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Revision date: 7 Feb 2023
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Version: 2

CA Buster Pearls 1kg

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

1.1. Product identifier

Trade name/designation:

CA Buster Pearls 1kg

Article No.:
T106101

UFI:
VTQ5-HNER-C9KJ-0SMN

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

Use of the substance/mixture:
EuPCS: PC-CLN-4 Descaling products, process categories [PROC]: 8, 10, 11

1.3. Details of the supplier of the safety data sheet

Supplier:

KANDO Service GmbH
Hartleitnerstraße 3
4653 Eberstalzell
Austria
Telephone: +43 (0) 7241 213 79
E-mail: msds@kando.eu

1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation *(Eye Dam. 1)*	H318: Causes serious eye damage.	

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:

GHS05
Corrosion

Signal word: Danger

Hazard components for labelling:
sodium hydrogensulphate

Hazard statements for health hazards	
H318	Causes serious eye damage.

Supplemental hazard information: none

Precautionary statements	
P102	Keep out of reach of children.

Precautionary statements Prevention	
P280	Wear protective gloves/protective clothing and eye protection/face protection.

Precautionary statements Response	
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.

2.3. Other hazards

Other adverse effects:

No further relevant information available.b

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 7681-38-1 EC No.: 231-665-7 Index No.: 016-046-00-X REACH No.: 01-2119552465-36-XXXX	**sodium hydrogensulphate** Eye Dam. 1 (H318) Danger	30 – 50 weight-%

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious but breathing normally, place in recovery position and seek medical advice.

Following inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact:

Take off immediately all contaminated clothing. Wash with plenty of water and soap.

After eye contact:

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

Following ingestion:

Rinse mouth. Do NOT induce vomiting. Rinse mouth immediately and drink 1 glass of of water.

4.2. Most important symptoms and effects, both acute and delayed

Causes serious eye damage.

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:

Co-ordinate fire-fighting measures to the fire surroundings.
Carbon dioxide, Foam, Dry extinguishing powder, Water spray jet

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture
Possible release of toxic fumes. Carbon monoxide, Carbon dioxide, Sulphur oxides

5.3. Advice for firefighters
Do not allow run-off from fire-fighting to enter drains or water courses. Use water spray or mist to cool exposed containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Personal precautions:
General ventilation. Avoid contact with eyes and skin. Avoid dust formation. Do not breathe dust. Wear protective equipment. Keep unprotected persons away.

6.1.2. For emergency responders
Personal protection equipment:
Wear suitable protective clothing when working. In case of inadequate ventilation wear respiratory protection.

6.2. Environmental precautions
Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up
For cleaning up:
Take up mechanically, placing in appropriate containers for disposal. Dispose of waste according to applicable legislation.

6.4. Reference to other sections
See section 7 for further information on safe handling.
For further information on personal protective equipment: see section 8.
For further information on disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Protective measures
Advices on safe handling:
Ensure good ventilation/extraction at the workplace. Avoid contact with eyes and skin. Wear personal protection equipment (refer to section 8). Avoid dust formation. Do not breathe dust.

Advices on general occupational hygiene
The usual precautions when handling chemicals must be observed. Do not eat, drink, smoke or snort while working. Do not inhale dust/fume/mist. Keep away from food, drink and animal feed. Wash hands before breaks and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels:
Keep only in original packaging.
Hints on storage assembly:
Keep away from food, drink and animal feed.
Storage class (TRGS 510, Germany): 10 - 13 – Other combustible and non-combustible substances
Further information on storage conditions:
Store in a cool dry place. Store in a well-ventilated place.

7.3. Specific end use(s)
Recommendation:
No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

No data available

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	PNEC Value	① PNEC type
sodium hydrogensulphate CAS No.: 7681-38-1 EC No.: 231-665-7	11.09 mg/L	① PNEC aquatic, freshwater
sodium hydrogensulphate CAS No.: 7681-38-1 EC No.: 231-665-7	1.109 mg/L	① PNEC aquatic, marine water
sodium hydrogensulphate CAS No.: 7681-38-1 EC No.: 231-665-7	800 mg/L	① PNEC sewage treatment plant
sodium hydrogensulphate CAS No.: 7681-38-1 EC No.: 231-665-7	40.2 mg/kg	① PNEC sediment, freshwater
sodium hydrogensulphate CAS No.: 7681-38-1 EC No.: 231-665-7	4.02 mg/kg	① PNEC sediment, marine water
sodium hydrogensulphate CAS No.: 7681-38-1 EC No.: 231-665-7	1.54 mg/kg	① PNEC soil
sodium hydrogensulphate CAS No.: 7681-38-1 EC No.: 231-665-7	17.66 mg/L	① PNEC aquatic, intermittent release

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide local exhaust or general room ventilation to keep dust concentrations as low as possible.

8.2.2. Personal protection equipment

Eye/face protection:

Safety goggles (EN 166).

Skin protection:

Hand protection:
Wear protective gloves. (EN 374).
NBR (Nitrile rubber) 0,35 mm
Butyl caoutchouc (butyl rubber) 0,5 mm.
The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.
Body protection:
Wear suitable protective clothing when working.

Respiratory protection:

Where exposure by inhalation may occur through use, respirators are recommended.
Respiratory protection Filter type: P2

8.2.3. Environmental exposure controls

Avoid release to the environment.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Powder **Colour:** whitish

Odour: characteristic

Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	1.4	
Melting point	*No data available*	
Freezing point	*No data available*	
Initial boiling point and boiling range	*No data available*	
Flash point	*not applicable*	
Evaporation rate	*No data available*	
Auto-ignition temperature	*not applicable*	
Upper/lower flammability or explosive limits	*not applicable*	
Vapour pressure	*No data available*	
Vapour density	*not applicable*	
Density	*No data available*	
Bulk density	1.22 g/mL	
Water solubility	easily soluble	

particle characteristics:
No data available

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
No known hazardous reactions.

10.2. Chemical stability
Chemically stable under conditions of storage, handling and use.

10.3. Possibility of hazardous reactions
No known hazardous decomposition products.

10.4. Conditions to avoid
No further relevant information available.

10.5. Incompatible materials
Oxidising agent, strong

10.6. Hazardous decomposition products
No dangerous decomposition products known. In case of fire: Possible release of toxic fumes. Carbon monoxide, Carbon dioxide, Sulphur oxides

SECTION 11: Toxicological information

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

sodium hydrogensulphate CAS No.: 7681-38-1 EC No.: 231-665-7
LD_{50} oral: >2,000 mg/kg (Rat)

Skin corrosion/irritation:
Based on available data, the classification criteria are not met.

Serious eye damage/irritation:
Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation:
Based on available data, the classification criteria are not met.

Germ cell mutagenicity:
Based on available data, the classification criteria are not met.

Carcinogenicity:
Based on available data, the classification criteria are not met.

Reproductive toxicity:
Based on available data, the classification criteria are not met.

STOT-single exposure:
Based on available data, the classification criteria are not met.

STOT-repeated exposure:
Based on available data, the classification criteria are not met.

Aspiration hazard:
Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties:
Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

sodium hydrogensulphate CAS No.: 7681-38-1 EC No.: 231-665-7
LC_{50}: 7,960 mg/L 4 d (fish, Pimephales promelas)
EC_{50}: 1,766 mg/L 2 d (crustaceans, Daphnia magna)
EC_{50}: 1,900 mg/L (Algae/water plant, Nitzschua linears)

Aquatic toxicity:
Not classified

Assessment/classification:
No further relevant information available.

12.2. Persistence and degradability

Additional information:
No further relevant information available.

12.3. Bioaccumulative potential

Accumulation / Evaluation:
No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

sodium hydrogensulphate CAS No.: 7681-38-1 EC No.: 231-665-7
Results of PBT and vPvB assessment: —

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

No further relevant information available.

12.7. Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Dispose of waste according to applicable legislation.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV
Waste code product

Remark:
The waste code number according to the List of Wastes Ordinance (AVV) depends on the waste producer and can therefore be different for a product. The waste code number must therefore be determined separately by each waste producer.

Waste treatment options
Appropriate disposal / Product:
Do not allow to enter into surface water or drains.

Other disposal recommendations:
Waste and containers must be disposed of in a safe manner. Take care when handling empty containers that have not been cleaned or rinsed out. Empty dispersal and run-off of released material and contact with soil, water bodies, drains and sewers.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

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

15.1.1. EU legislation
Authorisations:
Does not contain a REACH candidate substance. Does not contain a substance listed in REACH Annex XIV.

15.1.2. National regulations
No data available

15.2. Chemical Safety Assessment
A chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1. Indication of changes
No data available

16.2. Abbreviations and acronyms

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
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
EN	European Standard
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
NFPA	National Fire Protection Association
PBT	persistent and bioaccumulative and toxic
PC	Product category
PNEC	Predicted No Effect Concentration
PROC	Process Category
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations

16.3. Key literature references and sources for data
No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation *(Eye Dam. 1)*	H318: Causes serious eye damage.	

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H318	Causes serious eye damage.

16.6. Training advice
No data available

16.7. Additional information
To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.