



**Sanitär-Quanten**

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

**1.1. Product identifier**

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

**Use of the substance/mixture**

Sanitary powder in water-soluble dosing bags

**Uses advised against**

No information available.

**1.3. Details of the supplier of the safety data sheet**

Company name: Dr. Keddo GmbH  
Street: Innungstr. 45  
Place: D-50354 Hürth  
Telephone: +49(0)2233 9323 760  
Responsible Department: Abteilung Produktsicherheit

**1.4. Emergency telephone number:** +49 (0) 361-730730 (24 h, GIZ Erfurt)

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Regulation (EC) No. 1272/2008**

**Hazard categories:**

Serious eye damage/eye irritation: Eye Irrit. 2

**Hazard Statements:**

Causes serious eye irritation.

**2.2. Label elements**

**Regulation (EC) No. 1272/2008**

**Signal word:** Warning

**Pictograms:**



**Hazard statements**

H319 Causes serious eye irritation.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

**2.3. Other hazards**

No information available.

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

**3.2. Mixtures**



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**Hazardous components**

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
15630-89-4	disodium carbonate, compound with hydrogen peroxide (2:3)			<=20 %
	239-707-6		01-2119457268-30	
	Ox. Liq. 2, Acute Tox. 4, Eye Dam. 1; H272 H302 H318			

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

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After Inhalation**

Remove casualty to fresh air and keep warm and at rest.  
If unconscious place in recovery position and seek medical advice.  
In case of respiratory tract irritation, consult a physician.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap.  
In case of skin irritation, consult a physician.

**After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink plenty of water.  
Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person or a person with cramps.  
Call a physician immediately.

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

No known symptoms to date.

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

First Aid, decontamination, treatment of symptoms.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Water spray jet, Carbon dioxide (CO<sub>2</sub>), Foam, Dry extinguishing powder, alcohol resistant foam

**Unsuitable extinguishing media**

Full water jet

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

No information available.

**5.3. Advice for firefighters**

Co-ordinate fire-fighting measures to the fire surroundings.  
In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.



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**SECTION 6: Accidental release measures**

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

See protective measures under point 7 and 8.  
Provide adequate ventilation.  
Personal protection equipment: see section 8  
Remove persons to safety.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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

Take up mechanically, placing in appropriate containers for disposal.

**6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

No special technical protective measures are necessary.  
Avoid contact with eyes and skin. Avoid dust formation. Do not breathe dust.  
Wear personal protection equipment (refer to section 8).  
Keep container tightly closed.  
Wash hands before breaks and after work.

**Advice on protection against fire and explosion**

Usual measures for fire prevention.

**Further information on handling**

No information available.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

No special technical protective measures are necessary.  
Keep/Store only in original container.  
Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

**Advice on storage compatibility**

Keep away from food, drink and animal feedingstuffs.

**Further information on storage conditions**

No information available.

**7.3. Specific end use(s)**

Observe instructions for use.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**



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**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
15630-89-4	disodium carbonate, compound with hydrogen peroxide (2:3)			
Worker DNEL, acute		dermal	local	12,8 mg/cm <sup>2</sup>
Worker DNEL, long-term		inhalation	local	5 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	local	12,8 mg/cm <sup>2</sup>
Consumer DNEL, long-term		dermal	local	6,4 mg/cm <sup>2</sup>
Consumer DNEL, acute		dermal	local	6,4 mg/cm <sup>2</sup>

**PNEC values**

CAS No	Substance	Value
15630-89-4	disodium carbonate, compound with hydrogen peroxide (2:3)	
Freshwater		0,035 mg/l
Freshwater (intermittent releases)		0,035 mg/l
Marine water		0,035 mg/l
Micro-organisms in sewage treatment plants (STP)		16,24 mg/l

**8.2. Exposure controls**

**Appropriate engineering controls**

Provide adequate ventilation as well as local exhaust at critical locations. Technical measures and the application of suitable work processes have priority over personal protection equipment.

**Protective and hygiene measures**

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

**Eye/face protection**

goggles

**Hand protection**

Tested protective gloves must be worn: DIN EN 374

Suitable material:

NBR (Nitrile rubber)

Butyl caoutchouc (butyl rubber)

Breakthrough times and swelling properties of the material must be taken into consideration.

**Skin protection**

Body protection: not required.

**Respiratory protection**

Usually no personal respiratory protection necessary.

**Environmental exposure controls**

See section 7. No additional measures necessary.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state: solid  
Colour: white  
Odour: characteristic



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**Test method**

pH-Value (at 20 °C): 9-10

**Changes in the physical state**

Melting point: not determined

Initial boiling point and boiling range: not applicable

Flash point: not determined

**Flammability**

Solid: not determined

Gas: not applicable

**Explosive properties**

No information available.

Lower explosion limits: not determined

Upper explosion limits: not determined

**Auto-ignition temperature**

Solid: not determined

Gas: not applicable

Decomposition temperature: not determined

**Oxidizing properties**

No information available.

Vapour pressure: not determined

Density: not determined

Bulk density: not determined

Water solubility:  
(at 20 °C) ~100 g/L

**Solubility in other solvents**

No information available.

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

**9.2. Other information**

Solid content: not determined

No information available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No information available.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

Alkali (lye), Acid

**10.4. Conditions to avoid**

Heat.

**10.5. Incompatible materials**

Alkali (lye), Acid



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**10.6. Hazardous decomposition products**

No information available.

**Further information**

No information available.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Toxicokinetics, metabolism and distribution**

There are no data available on the mixture itself.

**Acute toxicity**

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

CAS No	Chemical name				
	Exposure route	Dose		Species	Source
15630-89-4	disodium carbonate, compound with hydrogen peroxide (2:3)				
	oral	LD50	1034 mg/kg	Rat	Study report (1990)
	dermal	LD50	> 2000 mg/kg	Rabbit	Study report (1990)

**Irritation and corrosivity**

Causes serious eye irritation.

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

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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.

**Specific effects in experiment on an animal**

No information available.

**Practical experience**

**Observations relevant to classification**

No information available.

**Other observations**

No information available.

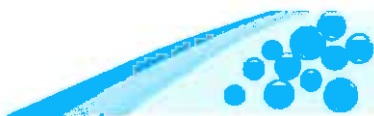
**Further information**

There are no data available on the preparation/mixture itself.

**SECTION 12: Ecological information**

**12.1. Toxicity**

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
15630-89-4	disodium carbonate, compound with hydrogen peroxide (2:3)				
	Acute crustacea toxicity	EC50	4,9 mg/l	48 h   Daphnia pulex	Study report (1989)



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**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

**12.5. 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. Other adverse effects**

No information available.

**Further information**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Advice on disposal**

Dispose of waste according to applicable legislation. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**Contaminated packaging**

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

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

**14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

**14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

**ENVIRONMENTALLY HAZARDOUS:** no



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**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No dangerous good in sense of this transport regulation.

**SECTION 15: Regulatory information**

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

**National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:  
disodium carbonate, compound with hydrogen peroxide (2:3)

**SECTION 16: Other information**

**Changes**

This data sheet contains changes from the previous version in section(s): 1.

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer  
(Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
EC50: Effect concentration, 50 percent  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Concentration  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

**Relevant H and EUH statements (number and full text)**

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*