

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date: 05.11.2013

Version: 3.00

Revision: 05.11.2013

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

· **1.1 Product identifier**

· **Trade name:** Dr. Beckmann Stain salt T-Bag

· **Formulation-No.:** 04122006

· **1.2 Relevant identified uses of the substance or mixture and uses advised against:** No further relevant information available.

· **Application of the substance / the preparation:** Special cleaning agent

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

· **Supplier/Manufacturer:**

d e l t a p r o n a t u r a  
Dr. Krauss & Dr. Beckmann KG  
Kurt-Schumacher-Ring 15-17  
63329 Egelsbach  
Germany

Phone: int+49-(0)6103-4045-0

Fax: int+49-(0)6103-4045-190

· **Email competent person:** sds@kft.de

· **Information department:** See supplier/manufacturer

· **1.4 Emergency telephone number:**

National Poisons Information Service (NPIS)

24 hour national number is 0844 892 0111 professionals only

National Health Service (NHS)

24 hour national number is 0845 4647 consumer

**SECTION 2: Hazards identification**

· **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R41: Risk of serious damage to eyes.

· **Information concerning particular hazards for human and environment:**

No particular hazards known if handling and storing instructions are followed.

· **Classification system:**

The classification is based on Regulation (EC) 1272/2008 including its amendments, and on company information.

The classification is based on own toxicological test results.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS05



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- **Signal word** Danger
- **Hazard-determining components of labelling:**  
disodium carbonate, compound with hydrogenperoxide (2:3)
- **Hazard statements**  
H318 Causes serious eye damage.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
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 or doctor/physician.
- **2.3 Other hazards**  
Aqueous solutions of this substance are alkaline.  
The stain salt is packed in sachets. If used properly these sachets will not be opened, but completely added to the laundry when washing.  
Thus contact with eyes is quite unlikely if used properly. However, this is not relevant for classification.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**
- **Description:** Combination of special active agents in powder form
- **Dangerous components:**

CAS: 15630-89-4	disodium carbonate, compound with hydrogenperoxide (2:3)	50-70%
EINECS: 239-707-6	Xn R22; Xi R41; O R8	
Reg.nr.: 01-2119457268-30-xxxx	Ox. Sol. 2, H272; Eye Dam. 1, H318; Acute Tox. 4, H302	
- **Regulation (EC) No 648/2004 on detergents / Labelling for contents:**

oxygen-based bleaching agents	≥ 30%
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- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**  
Symptoms of poisoning may occur even after several hours; therefore medical observation is suggested for at least 48 hours after the accident.
- **After inhalation:** Supply fresh air; consult a doctor in case of pain.
- **After skin contact:**  
Remove contaminated clothes and shoes.  
Clean affected skin thoroughly with water and a mild cleansing agent. No residues shall remain on the skin.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Protect unharmed eye.  
Rinse the eyes with open eyelids for 10 - 15 minutes with water. Then consult an eye specialist immediately.
- **After swallowing:**  
Rinse mouth with water.  
Drink plenty of water, but never give anything to an unconscious person.  
Do not induce vomiting.  
Seek medical treatment.

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

Serious damage to eyes

After inhalation:

Irritation of mucuous membranes

Cough

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

**SECTION 5: Firefighting measures**

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire fighting measures that suit the environment.

· **For safety reasons unsuitable extinguishing agents:** No data available

· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

· **5.3 Advice for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear a fully protective suit.

· **Additional information:**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

**SECTION 6: Accidental release measures**

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

Ensure adequate ventilation.

Wear protective clothing.

Keep unprotected persons away.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

· **6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Do not allow to penetrate the ground/soil.

· **6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.

Avoid any dust formation. Pick up with a tested and approved industrial vacuum cleaner if necessary.

Make sure to recycle or dispose of in suitable receptacles.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage**

· **7.1 Precautions for safe handling**

Avoid contact with eyes and skin.

Ensure good ventilation/exhaustion at the workplace.

Avoid inhalation of dust.

Keep the working area dry and clean.

· **Information about protection against explosions and fires:**

Observe the general rules of industrial fire protection.

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Keep away from combustible substances.

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Not required
- **Information about storage in one common storage facility:**
  - Store away from foodstuffs.
  - Store away from feed.
  - Store away from acids.
  - Store away from flammable substances.
- **Further information about storage conditions:**
  - Protect from humidity and water.
  - Protect from exposure to light.
- **Storage class:** 10-13 other combustible and non-combustible substances
- **7.3 Specific end use(s)** No further relevant information available

## SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:**
  - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **DNELs**
  - Abbreviations:
    - In = Industrial
    - Prof = Professional
    - Cons = Consumer

LLE = Long term, local effects  
LSE = Long term, systemic effects  
SLE = Short term, local effects  
SSE = Short term, systemic effects

### 15630-89-4 disodium carbonate, compound with hydrogenperoxide (2:3)

Dermal DNEL/CONS/LLE 6.4 mg/cm<sup>2</sup> (human)  
DNEL/Cons/SLE 6.4 mg/cm<sup>2</sup> (human)  
DNEL/IN/LLE 12.8 mg/cm<sup>2</sup> (human)  
DNEL/In/SLE 12.8 mg/cm<sup>2</sup> (human)  
Inhalative DNEL/In/LLE 5 mg/m<sup>3</sup> (human)

- **PNECs**
  - Abbreviations:
    - aq = aqua
    - sed = sediment

### 15630-89-4 disodium carbonate, compound with hydrogenperoxide (2:3)

PNEC 16.24 mg/l (sewage treatment plant)  
PNEC/Aq 0.035 mg/l (fresh water)  
0.035 mg/l (intermittent release)  
0.035 mg/l (marine water)

- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - The usual precautionary measures should be adhered to when handling chemicals.

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Do not eat, drink, smoke or sniff while working.  
Remove all soiled and contaminated clothing immediately.  
Avoid contact with eyes and skin.  
After contact with eyes, rinse immediately.  
Provide eye bath.  
Do not inhale dust/smoke/mist.  
The following instructions regarding the protective equipment refer to the industrial use of larger quantities.  
Use skin protection cream for skin protection.

• **Breathing equipment:**

At formation of dust:  
Dust protection mask  
At heavy dust formation:  
Use a suitable respiratory protective device in case of insufficient ventilation.  
Short term filter device (EN 149):  
Filter P1

• **Protection of hands:**

Upon longer contact:  
Chemical resistant gloves (EN 374)  
To avoid skin problems reduce the wearing of gloves to the required minimum.  
The glove material has to be impermeable and resistant to the product/substance/preparation.  
Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation  
After use of gloves apply skin-cleaning agents and skin cosmetics.

• **Material of gloves:**

For undissolved solid substances following materials may be suitable:  
nitrile rubber (NBR), butyl rubber (BR), fluorocarbon rubber (FKM) and polychloroprene rubber (CR)

• **Penetration time of glove material:**

The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye protection:** Safety glasses

• **Body protection:** Protective work clothing

**SECTION 9: Physical and chemical properties**

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

• **General Information:**

• **Appearance:**

**Form:** Fine powder  
**Colour:** White  
• **Odour:** Odourless  
• **Odour threshold:** Not applicable

• **pH-value (10 g/l) at 20 °C:** 10-11

• **Change in condition:**

**Melting point/Melting range:** Not determined  
**Boiling point/Boiling range:** Not determined

• **Flash point:** Not applicable

• **Self ignition temperature:** Product is not self-igniting.

• **Danger of explosion:** Product does not present an explosion hazard.

• **Explosion limits:**

**Lower:** Not applicable

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<b>Upper:</b>	Not applicable
<b>· Oxidizing properties:</b>	Non-oxidizing UN Test O.1 Read across
<b>· Density:</b>	Not determined
<b>· Solubility in / Miscibility with Water:</b>	Miscible
<b>· 9.2 Other information</b>	No further relevant information available

## SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available
- **10.5 Incompatible materials:**
  - Acids
  - Bases
  - Water and humidity
  - Heavy metal salts
  - Reducing agents
  - Organic compounds
- **10.6 Hazardous decomposition products:**
  - Upon thermal decomposition:  
Oxygen

## \* SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
  - LD50/oral (rat): > 2000 mg/kg
  - Conclusion by analogy
- **15630-89-4 disodium carbonate, compound with hydrogenperoxide (2:3)**
  - Oral LD<sub>50</sub> 1034 mg/kg (rat)
    - 893 mg/kg (rat/female)
    - 1164 mg/kg (rat/male)
  - Dermal LD<sub>50</sub> > 2000 mg/kg (rabbit)
- **Primary irritant effect:**
- **on the skin:** No irritating effect
- **on the eye:** Strongly irritant with the danger of severe eye injury
- **On respiratory tract:** Light irritation possible
- **Sensitization:** No sensitizing effects known
- **Other information (about experimental toxicology):**
- **Carcinogenic, mutagenic effects and adverse effects on reproduction:**
  - Presently available data show no carcinogenic, mutagenic or teratogenic effects.
- **Subacute to chronic toxicity:**
- **STOT-single exposure** No data available

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- **STOT-repeated exposure:** No data available
- **Aspiration hazard** Not relevant
- **Additional toxicological information:**  
After swallowing: irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract

## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**  
**15630-89-4 disodium carbonate, compound with hydrogenperoxide (2:3)**  
EC<sub>50</sub>/48h 4.9 mg/l (Daphnia pulex)  
LC<sub>50</sub>/96h 70.7 mg/l (Pimephales promelas)  
NOEC 2 mg/l (Daphnia pulex)  
48h  
NOEC/96h 7.4 mg/l (Pimephales promelas)
- **12.2 Persistence and degradability** No further relevant information available
- **Other information:**  
Sodium percarbonate dissociates into sodium carbonate and hydrogen peroxide. Hydrogenperoxide subsequently decomposes into water and oxygen. The only remaining substance is sodium carbonate.
- **12.3 Bioaccumulative potential** No bioaccumulation to be expected
- **12.4 Mobility in soil** No further relevant information available
- **Ecotoxicological effects:**
- **Remark:** The product has not been tested.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous to water  
According to appendix 4 of VwVwS dated 27.7.2005 (German regulation)  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **12.6 Other adverse effects** No further relevant information available

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:** Disposal according to instructions of local authorities
- **European waste catalogue:**  
07 06 99 wastes not otherwise specified  
20 01 29 detergents containing dangerous substances
- **Uncleaned packagings:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

## SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, ADN, IMDG, IATA** Void

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· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
· UN "Model Regulation":	-

### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- National regulations
- Information about limitation of use:  
Take note of Directive 92/85/EC on the safety and health of pregnant workers at work.  
Take note of Directive 94/33/EC on the protection of young people at work.
- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### \* SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Reasons for amendments: Regulation (EC) No. 1272/2008 /CLP
- Replaces version dated: 23.07.2013
- Relevant phrases  
H272 May intensify fire; oxidiser.  
H302 Harmful if swallowed.  
H318 Causes serious eye damage.  
.....  
R22 Harmful if swallowed.  
R41 Risk of serious damage to eyes.  
R8 Contact with combustible material may cause fire.
- Department issuing MSDS:  
KFT Chemieservice GmbH  
Im Leuschnerpark. 3 64347 Griesheim  
Postfach 1451 64345 Griesheim  
Germany

Phone: +49 6155 86829-0 Fax: +49 6155 86829-25  
Safety Data Sheet Service: +49 6155 86829-22

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· **Contact:** Angelika Torges

· **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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

· **\* Data compared to the previous version altered.**

Changes have been made to sections marked with a \*, as compared to the previous version.

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