

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

Printing date: 02.01.2014

Version: 4. 0

Revision: 02.01.2014

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

- **1.1 Product identifier**
- **Trade name:** Dr. Beckmann Colour Run Remover
- **Formulation-No.:** 021-10
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- **Uses advised against:** -
- **Application of the substance / the preparation:** Special cleaning agent
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier/Manufacturer:**  
delta pronatura  
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

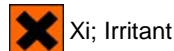
**SECTION 2: Hazards identification**

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



Eye Irrit. 2 H319 Causes serious eye irritation.

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



R36: Irritating to eyes.

R31: Contact with acids liberates toxic gas.

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

Based on the classification criteria for mixtures according to Regulation (EC) No. 1272/2008, the mixture is subject to labelling.

- **Classification system:**

The classification complies with current legislation, but is supplemented with information from technical literature and company information.

- **2.2 Label elements**

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

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· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **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.

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.

· **Additional information:**

EUH031 Contact with acids liberates toxic gas.

· **2.3 Other hazards** Aqueous solutions of this substance are alkaline.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable

· **vPvB:** Not applicable

### SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 497-19-8	sodium carbonate	10-20%
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EINECS: 207-838-8	Xi R36	
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Index number: 011-005-00-2	Eye Irrit. 2, H319	
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Reg.nr.: 01-2119485498-19-xxxx		
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CAS: 7775-14-6	sodium dithionite	10-20%
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EINECS: 231-890-0	Xn R22; Xi R36	
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Index number: 016-028-00-1	R7-31	
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Reg.nr.: 01-2119520510-57-xxxx	Self-heat. 1, H251; Acute Tox. 4, H302; Eye Irrit. 2, H319	
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· **Regulation (EC) No 648/2004 on detergents / Labelling for contents:**

optical brighteners	< 5%
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< 30 % reductive bleaching agent (sodium dithionite)	
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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:**

Immediately remove any clothing soiled by the product.

If symptoms persist or in case of doubt, seek medical advice.

· **After inhalation:** If dust is inhaled, supply fresh air; consult a doctor in case of complaints.

· **After skin contact:**

Clean affected skin thoroughly with water and a mild cleansing agent. No residues shall remain on the skin.

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If skin irritation continues, consult a doctor.

• **After eye contact:**

Rinse the eyes with open eyelids for 10 - 15 minutes with water.

If symptoms persist, consult a doctor.

• **After swallowing:**

Rinse mouth with water.

Spit liquid out again.

Do not induce vomiting.

Seek medical treatment.

Do not use acids or acidic substances as an antidote.

• **4.2 Most important symptoms and effects, both acute and delayed** Local irritation symptoms

• **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:**

Carbon dioxide (CO<sub>2</sub>)

Sand

Fire-extinguishing powder

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**

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

Sulphur oxides (SO<sub>x</sub>)

• **5.3 Advice for firefighters**

• **Protective equipment:** Wear self-contained respiratory protective device.

• **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**

Avoid contact with eyes and skin.

Wear protective clothing.

Keep unprotected persons away.

Use respiratory protective device.

• **6.2 Environmental precautions:**

The following information refer to the leakage of large quantities:

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.

Rinse residues with water.

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.

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See Section 13 for disposal information.

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## \* SECTION 7: Handling and storage

### · 7.1 Precautions for safe handling

- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of dust.
- Avoid inhalation of dust.
- Avoid contact with eyes and skin.
- Protect from humidity.

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

- Observe the general rules of industrial fire protection.



Keep ignition sources away - Do not smoke.

### · 7.2 Conditions for safe storage, including any incompatibilities

#### · Storage:

#### · Requirements to be met by storerooms and receptacles:

- Store container tightly sealed at a cool and dry place with sufficient ventilation.
- Store only in the original receptacle.
- Provide alkali-resistant floor.

#### · Information about storage in one common storage facility:

- Keep out of reach of children.
- Store away from acids.
- Store away from foodstuffs.
- Store away from feed.
- Refer to national regulations for storing hazardous chemicals.

#### · Further information about storage conditions:

- This product is hygroscopic.
- Protect from humidity and water.
- Keep receptacle tightly sealed.

#### · Storage class: 11 Combustible solids

#### · 7.3 Specific end use(s) Follow the directions!

## \* 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

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**497-19-8 sodium carbonate**

Inhalative DNEL/Cons/SLE 10 mg/m<sup>3</sup> (human)

DNEL/In/SLE 10 mg/m<sup>3</sup> (human)

• **PNECs**

Abbreviations:

aq = aqua

sed = sediment

**7775-14-6 sodium dithionite**

PNEC 45.3 mg/l (sewage treatment plant)

PNEC/Aq 1 mg/l (fresh water)

0.1 mg/l (marine water)

• **Additional information:** The lists that were valid during the creation were used as basis.

• **8.2 Exposure controls**

• **Personal protective equipment:**

• **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Avoid contact with eyes and skin.

Do not inhale dust/smoke/mist.

The following instructions regarding the protective equipment refer to the industrial use of larger quantities.

Provide eye bath.

Use skin protection cream for skin protection.

• **Breathing equipment:**

Not necessary if room is well-ventilated

Use a suitable respiratory protective device in case of insufficient ventilation.

• **Protection of hands:**

For consumers normally not necessary. If direct and prolonged contact with product or its dilutions cannot be avoided, use of protective gloves is recommended.

Chemical resistant gloves (EN 374)

After use of gloves apply skin-cleaning agents and skin cosmetics.

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

• **Material of gloves:**

Nitrile rubber, NBR

Butyl rubber, BR

For undissolved solid substances following materials may be suitable:

Polychloroprene rubber (CR)

Fluorocarbon rubber (FKM)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

• **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:** Tightly sealed goggles

• **Body protection:** Protective work clothing

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### SECTION 9: Physical and chemical properties

<b>· 9.1 Information on basic physical and chemical properties</b>	
<b>· General Information:</b>	
<b>· Appearance:</b>	
Form:	Powder
Colour:	White
· Odour:	Characteristic
· Odour threshold:	Not determined
· pH-value at 20 °C:	10-11 1 % solution
<b>· Change in condition:</b>	
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 is not explosive. However, formation of explosive air/dust mixtures is possible.
<b>· Explosion limits:</b>	
Lower:	Not determined
Upper:	Not determined
· Oxidizing properties:	Non-oxidizing
· Density:	Not determined
· Bulk density at 20 °C:	1300-1400 g/l
· Solubility in / Miscibility with Water:	Soluble
<b>· Viscosity:</b>	
dynamic:	Not applicable
kinematic:	Not applicable
· 9.2 Other information	No further relevant information available

### SECTION 10: Stability and reactivity

- 10.1 Reactivity
- 10.2 Chemical stability
- **Thermal decomposition / conditions to be avoided:**  
Conditions to be avoided: see chapter 7.  
To avoid thermal decomposition do not overheat.  
No decomposition if used and stored according to specifications
- 10.3 Possibility of hazardous reactions Contact with acids releases toxic gases.
- 10.4 Conditions to avoid No further relevant information available
- 10.5 Incompatible materials:  
Acids  
Water and humidity
- 10.6 Hazardous decomposition products:  
No hazardous decomposition products if instructions for storage and handling are followed
- **Additional information:** Hygroscopic

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity:

#### LD/LC50 values that are relevant for classification:

##### 497-19-8 sodium carbonate

Oral LD<sub>50</sub> 4000 mg/kg (rat)

##### 7775-14-6 sodium dithionite

Oral LD<sub>50</sub> 2500 mg/kg (rat)

#### Primary irritant effect:

on the skin: Not determined

on the eye: Irritating effect

On respiratory tract: No data available

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 classification

STOT-repeated exposure: No classification

Aspiration hazard No classification

#### 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:

##### 497-19-8 sodium carbonate

EC<sub>50</sub>/24h 347 mg/l (Daphnia magna)

##### 7775-14-6 sodium dithionite

EC<sub>50</sub>/48h 98 mg/l (Daphnia magna)

IC<sub>50</sub>/72h 120 mg/l (Desmodesmus subspicatus)

LC<sub>50</sub>/96h 46-68 mg/l (Leuciscus idus)

12.2 Persistence and degradability No further relevant information available

Other information: The product has not been tested.

12.3 Bioaccumulative potential The product has not been tested.

12.4 Mobility in soil No further relevant information available

#### 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.

Danger to drinking water is possible if large quantities leak into the ground or into water course.

#### 12.5 Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

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· **12.6 Other adverse effects** No further relevant information available

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### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation:** Disposal according to instructions of local authorities

· **Uncleaned packagings:**

· **Recommendation:**

Disposal must be made according to official regulations.

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

### SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, IMDG, IATA**

Void

· **14.2 UN proper shipping name**

· **ADR, IMDG, IATA**

Void

· **14.3 Transport hazard class(es)**

· **ADR, IMDG, IATA**

· **Class**

Void

No hazardous good according to the regulation

· **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**

· **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

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General revision

· **Replaces version dated:** 12.10.2012

· **Relevant phrases**

As mentioned in section 3 of the safety data sheet (not relevant for labelling of the product)

H251 Self-heating: may catch fire.

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

R22 Harmful if swallowed.

R31 Contact with acids liberates toxic gas.

R36 Irritating to eyes.

R7 May cause fire.

· **Department issuing MSDS:**

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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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