



delta pronatura

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**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Version: 04

Revision: 01.02.2008

### 1 Identification of substance:

- **Product details:**
- **Trade name:** Dr. Beckmann Service-it WASHING MACHINE CLEANER
- **Article number:** 30321
- **Formulation-No.:** 004-08
- **Application of the substance / the preparation** Special cleaning agent
- **Supplier/Manufacturer:**  
d e l t a pronatura  
Kurt-Schumacher-Ring 15-17  
63329 Egelsbach  
Germany  
  
Telefon: int +49-(0)6103-4045-0  
Fax: int +49-(0)6103-4045-190
- **Distributor:**  
ACDOCO LTD  
Kelly Street  
Off New Wellington Street  
BLACKBURN, LANCS. BB2 4 PJ  
telephone: +44 (0) 1204 600 500  
fax: +44 (0) 1204 600 501
- **Email competent person:** angelika.torges@kft.de
- **Information department:**  
Emergency-telephone  
d e l t a pronatura, Egelsbach  
+49(0)6103-4045-146
- **Emergency information:** National Poisons Information Centre      Tel.: +44 (0)870 6006266

### 2 Hazards identification

- **Hazard description:** not applicable
- **Information pertaining to particular dangers for man and environment:**  
No hazards to be particularly mentioned. Please note the information of this Material Safety Data Sheet.
- **Classification system:**  
The classification was made according to the latest editions of the EU-lists, and expanded using company data and specialized literature.

### 3 Composition/information on ingredients

- **Chemical characterization**
  - **Description:** Solution of special active agents
  - **Dangerous components:**
- |                   |                              |         |
|-------------------|------------------------------|---------|
| CAS: 5949-29-1    | citric acid, monohydrate     | 2.5-10% |
| EINECS: 201-069-1 | Xi; R 36                     |         |
| CAS: 56-81-5      | glycerol                     | < 2.5%  |
| EINECS: 200-289-5 |                              |         |
| CAS: 68439-46-3   | Alcohols, C9-11, ethoxylated | < 2.5%  |
|                   | Xn, Xi; R 22-41              |         |

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**Regulation (EC) No 648/2004 on detergents / Labelling for contents**

non-ionic surfactants, perfumes, Hexyl Cinnamal, Limonene,  
Butylphenyl Methylpropional  
< 5%

#### 4 First aid measures

- **General information:** If symptoms persist or in case of doubt seek medical advice.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Wash with water.  
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 out mouth and then drink plenty of water.  
Seek medical treatment.  
If babies/toddlers are concerned always consult a physician or the local Poison Information Centre.
- **Information for doctor:**
- **Treatment:** Symptomatic treatment

#### 5 Fire fighting measures

- **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.
- **Special hazards caused by the material, its products of combustion or resulting gases:**  
Dangerous decomposition product see chapter 10: stability and reactivity
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear 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.

#### 6 Accidental release measures

- **Person-related safety precautions:**  
Ensure adequate ventilation  
Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:**  
The following information refer to the leakage of large quantities:  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to penetrate the ground/soil.  
In case of seepage into the ground inform responsible authorities.
- **Measures for cleaning/collecting:**  
Small quantities:  
If spilled/leaked: absorb main quantity with cloth.  
Dam up larger quantities and pump into containers.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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Clean the affected area carefully; suitable cleaners are:

warm water

Send for recovery or disposal in suitable receptacles.

- **Additional information:** See Section 8 for information on personal protection equipment.

## 7 Handling and storage

- **Handling**

- **Information for safe handling:** No special precautions are necessary if used correctly.

- **Information about protection against explosions and fires:** No special measures required.

- **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.

- **Further information about storage conditions:** Protect from frost.

- **Storage class** 12 Non combustible liquids

## 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

**56-81-5 glycerol**

WEL (Great Britain) Long-term value: 10 mg/m<sup>3</sup>

- **Personal protective equipment**

- **General protective and hygienic measures:**

The usual precautionary measures should be adhered to when handling chemicals.

Avoid close or long term contact with the skin.

Avoid contact with the eyes.

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

Use skin protection cream for skin protection.

- **Breathing equipment:** Not necessary if room is well-ventilated.

- **Protection of hands:**

At longer contact: protective gloves

To avoid skin problems reduce the wearing of gloves to the required minimum.

Selection of the glove material on 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:**

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 break-through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Goggles recommended during refilling.

- **Body protection:** Protective work clothing.

## 9 Physical and chemical properties:

- **General Information**

**Form:**

Fluid

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<b>Colour:</b>	Blue
<b>Odour:</b>	scented citrus-like
<b>Change in condition:</b>	
<b>Melting point/Melting range:</b>	undetermined
<b>Boiling point/Boiling range:</b>	undetermined
<b>Flash point:</b>	not applicable
<b>Self igniting:</b>	Product is not self-igniting.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Density at 20°C:</b>	1.04 g/cm <sup>3</sup>
<b>Solubility in / Miscibility with Water:</b>	Miscible
<b>pH-value at 20°C:</b>	1.7 in delivery state

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
To avoid thermal decomposition do not overheat.
- **Dangerous products of decomposition:**  
In the case of fire or at high temperatures the formation of the following decomposition products is possible.  
Carbon monoxide and carbon dioxide  
Irritant gases/vapours

## 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
No toxicity data are available for the product itself.  
Due to the composition no relevant toxicity is expected.
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Based on corresponding tests no classification as "irritant" or "corrosive" is required inspite of the low ph value of < 2.

## 12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** The product has not been tested.
- **Behaviour in environmental systems:**
- **Mobility and bioaccumulation potential:** The product has not been tested.
- **Ecotoxicological effects:**
- **Aquatic toxicity:** Presently there are no ecotoxicological values available.

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- **Remark:** Due to the low pH-value there may be toxic effects on aquatic organisms.
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
According to appendix 4 of VwVwS dated 17.05.1999 (German regulation)  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.  
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### 13 Disposal considerations

- **Product:**
- **Recommendation:**



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal according to instructions of local authorities.

- **Uncleaned packagings:**
- **Recommendation:**  
Packagings that cannot be cleansed are to be disposed of in the same manner as the product.  
Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** No hazardous good according to the regulation.
- **Maritime transport IMDG:**
- **IMDG Class:** No hazardous good according to the regulation.
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** No hazardous good according to the regulation.

### 15 Regulations

- **Markings according to EC guidelines:**  
Observe the general safety regulations when handling chemicals  
Although this product is not subject to identification regulations, we recommend to observe the safety suggestions.
- **Safety phrases:**  
2 Keep out of the reach of children.
- **Special labelling of certain preparations:**  
Further labelling requirements of EC regulation 648/2004/EC annex II have to be observed.  
Safety data sheet available for professional user on request.

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- **National regulations**
  - **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
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#### 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.

- **Relevant R-phrases:**  
as mentioned in chapter 3 of the safety data sheet ( not relevant for labelling of the product)  
22 Harmful if swallowed.  
36 Irritating to eyes.  
41 Risk of serious damage to eyes.
  - **Department issuing MSDS:**  
KFT-Chemieservice Marienstr. 3 D-64347 Griesheim  
Postfach 1451 D-64345 Griesheim  
Tel.: +49-6155-823241 Fax: +49-6155-823246
  - **Contact:** Angelika Torges
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