



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

Printing date: 02.09.2014

Version: 8. 1

Revision: 02.09.2014

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

- **1.1 Product identifier**
- **Trade name:** Dr. Beckmann Service It (Washing Machine Cleaner)
- **Formulation-No.:** 004-08
- **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:**  
ACDOCO Ltd.  
Martens Road  
Northbank Industrial Estate  
Irlam, Manchester M44 5AX  
UK  
Tel: +44 (0) 161 7757766
- **Manufacturer:**  
d e l t a 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

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** not applicable
- **Classification system:**  
The classification is based on Regulation (EC) 1272/2008 including its amendments, and on 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**

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.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable

· **vPvB:** Not applicable

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

· **3.2 Chemical characterisation: Mixtures**

· **Description:** Solution of special active agents

· **Dangerous components:**

CAS: 5949-29-1	citric acid, monohydrate	5-10%
EINECS: 201-069-1	Xi R36 Eye Irrit. 2, H319	
CAS: 56-81-5	glycerol	< 2.5%
EINECS: 200-289-5	substance with a Community workplace exposure limit	
CAS: 68439-46-3	Alcohols, C9-11, ethoxylated	< 2.5%
	Xn R22; Xi R41 Eye Dam. 1, H318; Acute Tox. 4, H302	

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

non-ionic surfactants, perfumes (hexyl cinnamal, Limonene, Butylphenyl Methylpropional)	< 5%
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**SECTION 4: First aid measures**

· **4.1 Description of first aid measures**

· **General information:** If symptoms persist or in case of doubt, seek medical advice.

· **After inhalation:** Supply fresh air; consult a doctor in case of pain.

· **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.

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- **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:**  
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**  
Formation of toxic gases is possible during heating or in case of fire.  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Irritant gases/vapours
- **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.  
Particular danger of slipping on leaked/spilled product.
- **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.  
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.
- **6.3 Methods and material for containment and cleaning up:**  
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).  
Clean the affected area carefully; suitable cleaners are:  
Warm 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.  
See Section 13 for disposal information.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** No special precautions are necessary if used properly.
- **Information about protection against explosions and fires:** Observe the general rules of industrial fire protection.

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- **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.
  - Refer to national regulations for storing hazardous chemicals.
- **Further information about storage conditions:** Protect from frost.
- **Storage class:** 10-13 other combustible and non-combustible substances
- **7.3 Specific end use(s)** No further relevant information available

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

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- **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:**
  - 56-81-5 glycerol**
    - WEL (Great Britain) Long-term value: 10 mg/m<sup>3</sup>
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - The usual precautionary measures should be adhered to when handling chemicals.
  - Avoid contact with eyes and skin.
  - After skin contact, cleanse skin thoroughly.
  - After contact with eyes, rinse immediately.
  - The following instructions regarding the protective equipment refer to the industrial use of larger quantities.
  - Use skin protection cream for skin protection.
- **Breathing equipment:** Under normal conditions of use not required
- **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.
  - Industrial use:
    - Chemical resistant gloves (EN 374)
    - To avoid skin problems reduce the wearing of gloves to the required minimum.
    - 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:**
  - 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:** Safety glasses
- **Body protection:** Protective work clothing

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**SECTION 9: Physical and chemical properties**

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**9.1 Information on basic physical and chemical properties****General Information:****Appearance:****Form:** Liquid

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<b>Colour:</b>	Blue
<b>· Odour:</b>	Scented Citrus-like
<b>· Odour threshold:</b>	Not determined
<b>· pH-value at 20 °C:</b>	1.7 In delivery state
<b>· Change in condition:</b>	
<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	Not determined
<b>· Flash point:</b>	Not applicable
<b>· Self ignition temperature:</b>	Product is not self-igniting.
<b>· Danger of explosion:</b>	Product does not present an explosion hazard.
<b>· Explosion limits:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
<b>· Oxidizing properties:</b>	Non-oxidizing
<b>· Vapour pressure:</b>	Not determined
<b>· Density at 20 °C:</b>	1.04 g/cm <sup>3</sup>
<b>· Solubility in / Miscibility with Water:</b>	Miscible
<b>· Viscosity:</b>	
<b>dynamic:</b>	Not determined
<b>· 9.2 Other information</b>	No further relevant information available

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity** No further relevant information available
- 10.2 Chemical stability**
- Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications  
To avoid thermal decomposition do not overheat.
- 10.3 Possibility of hazardous reactions** No dangerous reactions known
- 10.4 Conditions to avoid** No further relevant information available
- 10.5 Incompatible materials:** No further relevant information available
- 10.6 Hazardous decomposition products:**  
No hazardous decomposition products if instructions for storage and handling are followed

**\* SECTION 11: Toxicological information**

- 11.1 Information on toxicological effects**
- 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.  
**68439-46-3 Alcohols, C9-11, ethoxylated**  
Oral LD<sub>50</sub> 1378 mg/kg (rat)

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- Dermal LD<sub>50</sub> > 2000 mg/kg (rabbit)
- **Primary irritant effect:**
  - **on the skin:**  
Irritant to skin and mucous membranes  
In Vitro Skin Corrosion: Human Skin Model Test:  
Not corrosive.
  - **on the eye:**  
Irritating effect  
BCOP Test (Bovine Corneal Opacity and Permeability Test):  
No classification in category: Eye Dam. 1
  - **On respiratory tract:** No data available
  - **Sensitisation:** No sensitising 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 data available
  - **Aspiration hazard** No classification
- 

## SECTION 12: Ecological information

- **12.1 Toxicity**
  - **Aquatic toxicity:** Presently there are no ecotoxicological values available.
  - **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
  - **Ecotoxicological effects:**
  - **Remark:** Harmful effects possible due to shift of pH-value.
  - **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.  
Discharging 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.
  - **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable
  - **vPvB:** Not applicable
  - **12.6 Other adverse effects** No further relevant information available
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## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **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

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**European waste catalogue:**

- 07 00 00 WASTES FROM ORGANIC CHEMICAL PROCESSES
- 07 06 00 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
- 07 06 01\* aqueous washing liquids and mother liquors
- 20 00 00 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
- 20 01 00 separately collected fractions (except 15 01)
- 20 01 29\* detergents containing dangerous substances
- 15 00 00 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
- 15 01 00 packaging (including separately collected municipal packaging waste)
- 15 01 10\* packaging containing residues of or contaminated by dangerous substances

**Uncleaned packagings:****Recommendation:**

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.  
Disposal must be made according to official regulations.

**SECTION 14: Transport information**

· <b>14.1 UN-Number</b> · ADR, ADN, IMDG, IATA	Void
· <b>14.2 UN proper shipping name</b> · ADR, ADN, IMDG, IATA	Void
· <b>14.3 Transport hazard class(es)</b> · ADR, ADN, IMDG, IATA · Class	Void
· <b>14.4 Packing group</b> · ADR, IMDG, IATA	Void
· <b>14.5 Environmental hazards:</b> · Marine pollutant:	No
· <b>14.6 Special precautions for user</b>	Not applicable
· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable
· <b>UN "Model Regulation":</b>	-

**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
- **Further information:** Version/s 8.0 is/are not available in this language.

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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**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

Data on components

Information on toxicity

General revision

· **Replaces version dated:** 24.01.2014

· **Relevant phrases**

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

R22 Harmful if swallowed.

R36 Irritating to eyes.

R41 Risk of serious damage to eyes.

· **Classification according to Regulation (EC) No 1272/2008** Eye irrit 2 based on test data

· **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

· **Contact:** Dr. Daniela Krimm

· **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 Harmonised 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)

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

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

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