



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

Printing date: 25.08.2014

Version: 4. 1

Revision: 25.08.2014

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

1.1 Product identifier

Trade name: **Dr. Beckmann Stain Devils Felt-tip & Ballpoint Ink**

Formulation-No.: 21012003

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 The product is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC not applicable

Information concerning particular hazards for human and environment:

No hazards to be particularly mentioned. Please note the information of this Material Safety Data Sheet.

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 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Precautionary statements P102 Keep out of reach of children.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

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· **vPvB:** Not applicable**SECTION 3: Composition/information on ingredients**· **3.2 Chemical characterisation: Mixtures**· **Description:** Aqueous solution of special active agents· **Dangerous components:**

CAS: 57-55-6	propane-1,2-diol	80-100%
EINECS: 200-338-0	substance with a Community workplace exposure limit	
CAS: 69011-36-5	Isotridecanol, ethoxylated (2-5 mol e.o.)	1-5%
NLP: 500-241-6	Xi R41	
	Eye Dam. 1, H318; Aquatic Chronic 3, H412	
CAS: 102-60-3	1,1',1'',1'''-ethylenedinitrotetrapropan-2-ol	< 2.5%
EINECS: 203-041-4	Xi R36	
	Eye Irrit. 2, H319	
CAS: 42504-46-1	dodecylbenzenesulphonic acid, compound with 1-aminopropan-2-ol (1:1)	< 1%
EINECS: 255-854-9	Xi R38-41	
	Eye Dam. 1, H318; Skin Irrit. 2, H315	
· Regulation (EC) No 648/2004 on detergents / Labelling for contents:		
	non-ionic surfactants	5 - 15%
	anionic surfactants	< 5%

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:**

Supply fresh air.
Seek medical treatment in case of complaints.

· **After skin contact:**

Wash with plenty of water immediately after skin contact.
If skin irritation continues, consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water.
If symptoms persist, consult a doctor.

· **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.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.· **4.3 Indication of any immediate medical attention and special treatment needed** Symptomatic treatment— GB —
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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
 - Water jet spray
 - Fire-extinguishing powder
 - Carbon dioxide (CO₂)Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** High volume water jet
- **5.2 Special hazards arising from the substance or mixture**
 - In case of fire, the following can be released:
 - Carbon monoxide (CO)
 - Carbon dioxide (CO₂)
 - In certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:**
 - Do not inhale explosion gases or combustion gases.
 - Wear self-contained respiratory protective device.
 - Wear a fully protective suit.
- **Additional information:**
 - Cool endangered receptacles with water spray.
 - 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:**
 - 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:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Make sure to recycle or dispose of in suitable receptacles.
- **6.4 Reference to other sections**
 - See Section 8 for information on personal protection equipment.
 - See Section 7 for information on safe handling
 - 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:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 - Provide alkali-resistant floor.
 - Store only in the original receptacle.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Store away from feed.

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- Store away from oxidising agents.
 - **Further information about storage conditions:** None
 - **Storage class:** 10-13 other combustible and non-combustible substances
 - **7.3 Specific end use(s)** Please pay attention to the information on the label.
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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:**

- 57-55-6 propane-1,2-diol**

- WEL (Great Britain) Long-term value: 474* 10** mg/m³, 150* ppm
*total vapour and particulates **particulates

- OEL (Ireland) Long-term value: 470* 10** mg/m³, 150* ppm
*total vapour and particulates **particulates

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

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

Do not eat, drink, smoke or sniff while working.

Remove all soiled and contaminated clothing immediately.

Avoid contact with eyes and skin.

Do not inhale gases/fumes/aerosols.

Use skin protection cream for skin protection.

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

- **Breathing equipment:** Not necessary if you follow the instructions for use

- **Protection of hands:**

Chemical resistant gloves (EN 374)

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:**

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
-

SECTION 9: Physical and chemical properties

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

- **General Information:**

- **Appearance:**

Form: Liquid

Colour: Colourless

- **Odour:** Odourless

- **Odour threshold:** Not applicable
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· pH-value at 20 °C:	~ 9.8 10 % solution
· Change in condition:	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
· Flash point:	> 100 °C
· Self ignition temperature:	Product is not self-igniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not applicable
Upper:	Not applicable
· Density at 20 °C:	1.04 g/cm ³
· Solubility in / Miscibility with Water:	Miscible
· Viscosity:	
dynamic:	Not determined
· 9.2 Other information	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:** Heating may lead to bursting of receptacles.
- **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 dangerous decomposition products known

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.
- **Primary irritant effect:**
- **on the skin:** No irritating effect
- **on the eye:**
Slightly irritant
Not to be classified
- **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 classification
- **Aspiration hazard** No classification

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· Additional toxicological information:

The product had been tested and no eye irritating properties being relevant for classification could be determined.

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:** The product has not been tested.

· Additional ecological information:**· General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous to water

According to appendix 4 of VwVwS dated 27.7.2005 (German regulation)

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

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:** Disposal according to instructions of local authorities

· European waste catalogue:

20 01 29* detergents containing dangerous substances

· Uncleaned packagings:

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

· **Recommended cleansing agent:** Water

SECTION 14: Transport information**· 14.1 UN-Number**

· **ADR, ADN, IMDG, IATA** Void

· 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

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· 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
· Transport/Additional information:	Not dangerous according to the above regulations
· 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 2 (Self-assessment): hazardous for water
- **Further information:** Version/s 1-4 is/are not available in this language.
- **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:** 24.01.2014
- **Relevant phrases**

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

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

R36 Irritating to eyes.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

- **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

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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

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

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

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

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

· *** 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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