



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

Printing date: 25.08.2014

Version: 1. 0

Revision: 25.08.2014

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** Dr. Beckmann Starch & Easy Iron**Formulation-No.:** 013-13**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:** Laundry care**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**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**Other notes:** P102 Keep out of reach of children.**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable**vPvB:** Not applicable



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SECTION 3: Composition/information on ingredients**3.2 Chemical characterisation: Mixtures****Description:** Solution of special active agents**Dangerous components:**

CAS: 9005-25-8	Starch	< 2.5%
EINECS: 232-679-6	substance with a Community workplace exposure limit	

CAS: 67-63-0	propan-2-ol	< 2.5%
EINECS: 200-661-7	Xi R36; F R11	
Index number: 603-117-00-0	R67	
	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	

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

preservation agents (TETRAMETHYLOLGLYCOLURIL), perfumes	< 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:**

In case of exposition to aerosols:

Supply fresh air.

If symptoms persist, consult a doctor.

After skin contact: Wash with water and soap.**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.**After swallowing:**

Rinse out mouth and then drink plenty of water.

If symptoms occur or after swallowing larger quantities, consult a doctor.

If babies/toddlers are concerned, always consult a physician or the local Poison Information Centre.

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**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:**

The product is not combustible and does not support any combustion.

Use fire fighting measures suiting 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 (CO₂)**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.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

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

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- **6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **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 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.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store at ambient temperature.
- **Information about storage in one common storage facility:** Not required.
- **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

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:**
- **9005-25-8 Starch**
WEL (Great Britain) Long-term value: 10* 4** mg/m³
*total inhalable **respirable
- **67-63-0 propan-2-ol**
WEL (Great Britain) Short-term value: 1250 mg/m³, 500 ppm
Long-term value: 999 mg/m³, 400 ppm
- **Additional information:**
Since the product is liquid there is no risk that particles are inhaled under normal workplace conditions. Therefore monitoring is not required.
The lists that were valid during the creation were used as basis.
- **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 inhale gases/fumes/aerosols.
The following instructions regarding the protective equipment refer to the industrial use of larger quantities.
- **Breathing equipment:**
Under normal conditions of use not required
In case of unintentional release of substance, exceeding the occupational exposure limit value:



In case of brief exposure or low pollution use a respiratory filter device. In case of intensive or longer exposure use a respiratory protective device that is independent of circulating air.

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- Short term filter device (EN 149):
Filter A (colour code: brown)
- **Protection of hands:** Not required
 - **Material of gloves:** -
 - **Penetration time of glove material:** -
 - **Eye protection:** If large quantities are handled: safety glasses are recommended.
 - **Body protection:** Normal, light protective clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· General Information:	
· Appearance:	
Form:	Liquid
Colour:	Colourless
· Odour:	Scented
· Odour threshold:	Not determined
· pH-value at 20 °C:	~ 7.5
· Change in condition:	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	> 100 °C
· Flash point:	Not applicable
· Flammability (solid, gaseous):	Not applicable
· Ignition temperature:	
Decomposition temperature:	Not determined
· Self ignition temperature:	Product is not self-igniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined
Upper:	Not determined
· Oxidizing properties:	Not determined
· Vapour pressure:	Not determined
· Density at 20 °C:	~ 1.0 g/cm ³
· Relative density:	Not determined
· Vapour density:	Not determined
· Evaporation rate:	Not determined
· Solubility in / Miscibility with Water:	Soluble
· Partition coefficient (n-octanol/water):	Not determined
· Viscosity:	
dynamic:	Not determined
kinematic:	Not determined
· 9.2 Other information	No further relevant information available

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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
- **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.
- **Primary irritant effect:**
- **on the skin:** Not determined
- **on the eye:** Not determined
- **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
- **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.
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available
- **12.2 Persistence and degradability** No further relevant information available
- **12.3 Bioaccumulative potential** No further relevant information available
- **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.
- **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
- **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 04* other organic solvents, washing liquids and mother liquors
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

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
· 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.

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· Relevant phrases

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

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

R11 Highly flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

· Department issuing MSDS:

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Germany

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· Contact: Dr. Daniela Krimm**· Abbreviations and acronyms:**

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 2: Flammable liquids, Hazard Category 2

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

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3