

**1 Identification of the substance/preparation and of the company/undertaking**

- **Product details**
- **Trade name:** Prenett A
- **Article number:** 2229
- **Application of the substance / the preparation**  
Prespotting agents for textile cleaning in solvents.  
For use with Perc, hydrocarbon solvent and Cyclosiloxane D 5 solvent.
- **Manufacturer/Supplier:**  
Chemische Fabrik Kreussler & Co. GmbH  
Postfach 120454  
D-65082 Wiesbaden
- **Further information obtainable from:**  
Abteilung TQM  
Herr Vogel  
+49 (0) 611 9271-175  
Stefan.Kopp@kreussler.com
- **Information in case of emergency:** +49 (0) 611 9271-0

**2 Hazards Identification**

- **Hazard description:**  
Xi Irritant
- **Information concerning particular hazards for human and environment:**  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
R 38 Irritating to skin.  
R 41 Risk of serious damage to eyes.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**3 Composition/information on ingredients**

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 577-11-7 EINECS: 209-406-4	Sulfosuccinat-sodiumsalt	Xi; R 38-41	15-30%
CAS: 69227-21-0 Polymer	alcohols C12 – C18 ethoxylated, propoxylated	Xi, N; R 38-50	5.0-15%
CAS: 110615-47-9 Polymer	Deglucopyranose oligomeric C10 – C16 alkylglucoside	Xi; R 41	1.0-5.0%
CAS: 77-92-9 EINECS: 201-069-1	citric acid	Xi; R 36	≤1%

· **Ingredients according to detergent regulation EC 648/2004**

anionic surfactants	15 - 30%
non-ionic surfactants	5 - 15%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

**4 First-aid measures**

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**  
If skin irritation continues, consult a doctor.  
Rinse with warm water.  
Immediately wash with water and soap and rinse thoroughly.

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Trade name: Prenett A

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- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

## 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
In case of fire, the following can be released:  
Carbon monoxide (CO)
- **Protective equipment:** Use normal protective clothing.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## 6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Dilute with plenty of water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:**  
No dangerous substances are released.  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients 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.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Do not eat, drink, smoke or sniff while working.  
Keep away from foodstuffs, beverages and food.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.

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Trade name: Prenett A

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## · Protection of hands:



Protective gloves

## · Material of gloves

PVC or PE gloves

Recommended thickness of the material:  $\geq 0.4$  mm

## · Not suitable are gloves made of the following materials:

Leather gloves

Strong material gloves

## · Eye protection:



Tightly sealed goggles

## · Body protection: Protective work clothing

## 9 Physical and chemical properties

· General Information	
Form:	Fluid
Colour:	Colourless
Odour:	Characteristic
· Change in condition	
Melting point/Melting range: Undetermined.	
Boiling point/Boiling range: Undetermined.	
· Flash point:	Not applicable.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Vapour pressure:	Undetermined.
· Density at 20°C:	0.95 g/cm <sup>3</sup>
· Solubility in / Miscibility with water:	Partly miscible.
· pH-value at 20°C:	3.8
· Viscosity:	
Dynamic at 20°C:	65 mPas
· Solvent content:	
Organic solvents:	0.0 %

## 10 Stability and reactivity

## · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

## · Dangerous reactions No dangerous reactions known.

## · Dangerous decomposition products: No dangerous decomposition products known.

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Trade name: Prenett A

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**11 Toxicological information**

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**  
Acute oral toxicity: >2000mg/kg (Rats)  
calculated from data of constituent parts.
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

**12 Ecological information**

- **Information about elimination (persistence and degradability):**
- **Other information:** The product is biodegradable.
- **General notes:**  
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.  
The product may not be released into the environment without control.

**13 Disposal considerations**

- **Product:**
- **Recommendation** Dispose of in accordance with Local, State, and Federal Regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

<ul style="list-style-type: none"> <li>· <b>Land transport ADR/RID (cross-border)</b></li> <li>· <b>ADR/RID class:</b> -</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Maritime transport IMDG:</b></li> <li>· <b>IMDG Class:</b> -</li> <li>· <b>UN Number:</b> -</li> <li>· <b>Marine pollutant:</b> No</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Air transport ICAO-TI and IATA-DGR:</b></li> <li>· <b>ICAO/IATA Class:</b> -</li> <li>· <b>UN/ID Number:</b> -</li> </ul>

**15 Regulatory information**

- **Labelling according to EU guidelines:**  
Observe the general safety regulations when handling chemicals.  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

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Trade name: Prenett A

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· **Code letter and hazard designation of product:**

Xi Irritant

· **Risk phrases:**

- 38 Irritating to skin.
- 41 Risk of serious damage to eyes.

· **Safety phrases:**

- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 37/39 Wear suitable gloves and eye/face protection.

**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.

The information of Items 4 through 8 and 10 through 12 partially refers not to the use and the proper application of the product (see Directions for Use/Product Information) but to the release of larger quantities in the case of accidents and irregularities.

The information exclusively describes the safety requirements of the product(s) and is based on the present state of our experience.

Non-ionic tensides can have varying characteristics and classifications despite same CAS-No.

· **Relevant R-phrases**

- 36 Irritating to eyes.
- 38 Irritating to skin.
- 41 Risk of serious damage to eyes.
- 50 Very toxic to aquatic organisms.

· **Department issuing MSDS:**

Abteilung TQM  
Herr Vogel  
+49 (0) 611/9271-175

· **Contact:** Herr Vogel



## 1 Identification of the substance/preparation and of the company/undertaking

- Product details
- Trade name: Prenett B
- Article number: 2227
- Application of the substance / the preparation  
Prespotting agents for textile cleaning in solvents.  
For use with Perc, hydrocarbon solvent and Cyclosiloxane D 5 solvent.
- Manufacturer/Supplier:  
Chemische Fabrik Kreussler & Co. GmbH  
Postfach 120454  
D-65082 Wiesbaden
- Further information obtainable from:  
Abteilung TQM  
Herr Vogel  
+49 (0) 611 9271-175  
Stefan.Kopp@kreussler.com
- Information in case of emergency: +49 (0) 611 9271-0

## 2 Hazards identification

- Hazard description:  
Xi Irritant
- Information concerning particular hazards for human and environment:  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
R 38 Irritating to skin.  
R 41 Risk of serious damage to eyes.
- Classification system:  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

## 3 Composition/information on ingredients

- Chemical characterization
- Description: Mixture of substances listed below with nonhazardous additions.

### · Dangerous components:

CAS: 577-11-7 EINECS: 209-406-4	Sulfosuccinat-sodiumsalt	Xi; R 38-41	15-30%
CAS: 69227-21-0 Polymer	alcohols C12 – C18 ethoxylated, propoxylated	Xi, N; R 38-50	5.0-15%
CAS: 110615-47-9 Polymer	Deglucopyranose oligomeric C10 – C16 alkylglucoside	Xi; R 41	1.0-5.0%

### · Ingredients according to detergent regulation EC 648/2004

anionic surfactants	15 - 30%
non-ionic surfactants	5 - 15%

- Additional information: For the wording of the listed risk phrases refer to section 16.

## 4 First-aid measures

- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:  
Rinse with warm water.  
If skin irritation continues, consult a doctor.  
Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

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Trade name: **Prenett B**

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- **After swallowing:** If symptoms persist consult doctor.

**5 Fire-fighting measures**

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
In case of fire, the following can be released:  
Carbon monoxide (CO)
- **Protective equipment:** Use normal protective clothing.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**6 Accidental release measures**

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Dilute with plenty of water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7 Handling and storage**

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

**8 Exposure controls/personal protection**

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients 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.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Do not eat, drink, smoke or sniff while working.  
Keep away from foodstuffs, beverages and food.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

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- Material of gloves  
PVC or PE gloves  
Recommended thickness of the material:  $\geq 0.4$  mm
- Not suitable are gloves made of the following materials:  
Leather gloves  
Strong material gloves
- Eye protection:



Tightly sealed goggles

- Body protection: Protective work clothing

## 9 Physical and chemical properties

· General Information	
Form:	Fluid
Colour:	Colourless
Odour:	Characteristic
· Change in condition Melting point/Melting range: Undetermined. Boiling point/Boiling range: 100°C	
· Flash point:	Not applicable.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Vapour pressure:	Undetermined.
· Density at 20°C:	0.936 g/cm <sup>3</sup>
· Solubility in / Miscibility with water:	Partly miscible.
· pH-value at 20°C:	9.9
· Solvent content: Organic solvents:	0.0 %

## 10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:  
No decomposition if used according to specifications.
- Dangerous reactions No dangerous reactions known.
- Dangerous decomposition products: No dangerous decomposition products known.

## 11 Toxicological information

- Acute toxicity:
- LD/LC50 values relevant for classification:  
Acute oral toxicity: >2000mg/kg (Rats)  
calculated from data of constituent parts.
- Primary irritant effect:  
· on the skin: Irritant to skin and mucous membranes.  
· on the eye: Strong irritant with the danger of severe eye injury.
- Sensitization: No sensitizing effects known.

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Trade name: Prenett B

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**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

**12 Ecological information****Information about elimination (persistence and degradability):**

**Other information:** The product is biodegradable.

**General notes:**

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.

The product may not be released into the environment without control.

**13 Disposal considerations****Product:**

**Recommendation** Dispose of in accordance with Local, State, and Federal Regulations.

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**14 Transport information****Land transport ADR/RID (cross-border)**

**ADR/RID class:** -

**Maritime transport IMDG:**

**IMDG Class:** -

**Marine pollutant:** No

**Air transport ICAO-TI and IATA-DGR:**

**ICAO/IATA Class:** -

**15 Regulatory information****Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

**Code letter and hazard designation of product:**

Xi Irritant

**Risk phrases:**

38 Irritating to skin.

41 Risk of serious damage to eyes.

**Safety phrases:**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

37/39 Wear suitable gloves and eye/face protection.

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Trade name: Prenett B

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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.

The information of Items 4 through 8 and 10 through 12 partially refers not to the use and the proper application of the product (see Directions for Use/Product Information) but to the release of larger quantities in the case of accidents and irregularities.

The information exclusively describes the safety requirements of the product(s) and is based on the present state of our experience.

Non-ionic tensides can have varying characteristics and classifications despite same CAS-No.

**· Relevant R-phrases**

38 Irritating to skin.

41 Risk of serious damage to eyes.

50 Very toxic to aquatic organisms.

**· Department issuing MSDS:**

Abteilung TQM

Herr Vogel

+49 (0) 611/9271-175

**· Contact: Herr Vogel**



## 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Prenett C
- **Article number:** 2228
- **Application of the substance / the preparation**  
 Prespotting agents for textile cleaning in solvents.  
 For use with Perc, hydrocarbon solvent and Cyclosiloxane D 5 solvent.
- **Manufacturer/Supplier:**  
 Chemische Fabrik Kreussler & Co. GmbH  
 Postfach 120454  
 D-65082 Wiesbaden
- **Further information obtainable from:**  
 Abteilung TQM  
 Herr Vogel  
 +49 (0) 611 9271-175  
 Stefan.Kopp@kreussler.com
- **Information in case of emergency:** +49 (0) 611 9271-0

## 2 Hazards identification

- **Hazard description:**  
 Xi Irritant
- **Information concerning particular hazards for human and environment:**  
 The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
 R 38 Irritating to skin.  
 R 41 Risk of serious damage to eyes.
- **Classification system:**  
 The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

## 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 112-34-5 EINECS: 203-961-6	2-(2-butoxyethoxy)ethanol	Xi; R 36	15-30%
CAS: 112-07-2 EINECS: 203-933-3	2-butoxyethyl acetate	Xn; R 20/21	15-30%
CAS: 577-11-7 EINECS: 209-406-4	Sulfosuccinat-sodiumsalt	Xi; R 38-41	5.0-15%
CAS: 69227-21-0 Polymer	alcohols C12 – C18 ethoxylated, propoxylated	Xi, N; R 38-50	5.0-15%
CAS: 9004-82-4 Polymer	Fatty alcohol ether-sulfate	Xi; R 38-41	5.0-15%

- **Ingredients according to detergent regulation EC 648/2004**

anionic surfactants	15 - 30%
non-ionic surfactants	5 - 15%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 4 First-aid measures

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**  
 If skin irritation continues, consult a doctor.

Trade name: **Prenett C**

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Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

**5 Fire-fighting measures**

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
In case of fire, the following can be released:  
Carbon monoxide (CO)
- **Protective equipment:** Use normal protective clothing.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**6 Accidental release measures**

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Dilute with plenty of water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7 Handling and storage**

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

**8 Exposure controls/personal protection**

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

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

<b>112-34-5 2-(2-butoxyethoxy)ethanol (15-30%)</b>	
WEL	Short-term value: 101.2 mg/m <sup>3</sup> , 15 ppm Long-term value: 67.5 mg/m <sup>3</sup> , 10 ppm
<b>112-07-2 2-butoxyethyl acetate (15-30%)</b>	
WEL	Short-term value: 50 ppm Long-term value: 20 ppm
Sk	

- **Additional information:** The lists valid during the making were used as basis.

- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Do not eat, drink, smoke or sniff while working.  
Keep away from foodstuffs, beverages and food.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.

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Trade name: Prenett C

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Avoid contact with the eyes and skin.

- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

- **Material of gloves**  
PVC or PE gloves  
Recommended thickness of the material:  $\geq 0.4$  mm
- **Not suitable are gloves made of the following materials:**  
Leather gloves  
Strong material gloves
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

· <b>General Information</b>	
<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Characteristic
· <b>Change in condition</b> Melting point/Melting range: Undetermined. Boiling point/Boiling range: Undetermined.	
· <b>Flash point:</b>	Not applicable.
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Vapour pressure:</b>	Undetermined.
· <b>Density at 20°C:</b>	0.968 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>pH-value at 20°C:</b>	7
· <b>Viscosity:</b> Dynamic at 20°C:	20 mPas
· <b>Solvent content:</b> Organic solvents:	40.0 %

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

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Trade name: Prenett C

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## 11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

112-07-2 2-butoxyethyl acetate

Oral LD-50 2400 mg/kg (rat)

Dermal LD-50 1580 mg/kg (bunny)

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:** Strong irritant with the danger of severe eye injury.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

## 12 Ecological information

- **Information about elimination (persistence and degradability):**

- **Other information:** The product is biodegradable.

- **Ecotoxic effects:**

- **Acquatic toxicity:**

112-07-2 2-butoxyethyl acetate

EC-50 &gt;100 mg/l (Daphnia magna)

&gt;100 mg/l (Scenedesmus subspicatus)

EC-50 48h 10-100 mg/l (Leuciscus idus)

- **General notes:**

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.

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

Danger to drinking water if even small quantities leak into the ground.

The product may not be released into the environment without control.

## 13 Disposal considerations

- **Product:**

- **Recommendation** Dispose of in accordance with Local, State, and Federal Regulations.

- **Uncleaned packaging:**

- **Recommendation:** Packaging may be reused or recycled after cleaning.

## 14 Transport information

- **Land transport ADR/RID (cross-border)**

- **ADR/RID class:** -

- **Danger code (Kemler):** -

- **UN-Number:**

- **Packaging group:** -

- **Hazard label** -

- **Maritime transport IMDG:**

- **IMDG Class:** -

- **UN Number:** -

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· Label	-
· Packaging group:	-
· EMS Number:	-
· Marine pollutant:	No
· Air transport ICAO-TI and IATA-DGR:	
· ICAO/IATA Class:	-
· UN/ID Number:	-
· Label	-
· Packaging group:	-

**15 Regulatory information**

## · Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

## · Code letter and hazard designation of product:



Xi Irritant

## · Risk phrases:

38 Irritating to skin.

41 Risk of serious damage to eyes.

## · Safety phrases:

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

37/39 Wear suitable gloves and eye/face protection.

**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.

The information of Items 4 through 8 and 10 through 12 partially refers not to the use and the proper application of the product (see Directions for Use/Product Information) but to the release of larger quantities in the case of accidents and irregularities.

The information exclusively describes the safety requirements of the product(s) and is based on the present state of our experience.

Non-ionic tensides can have varying characteristics and classifications despite same CAS-No.

## · Relevant R-phrases

20/21 Harmful by inhalation and in contact with skin.

36 Irritating to eyes.

38 Irritating to skin.

41 Risk of serious damage to eyes.

50 Very toxic to aquatic organisms.

## · Department issuing MSDS:

Abteilung TQM

Herr Vogel

+49 (0) 611/9271-175

## · Contact: Herr Vogel

