

**Trade name:** Cleaning solution and protein remover, not ready to use

**Current version :** 3.0.0, issued: 22.03.2013

**Replaced version:** 2.0.0, issued: 17.12.2012

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**Cleaning solution and protein remover, not ready to use**

**Order No. 0201-0004-001**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses of the substance or mixture**

Cleaning of the flowing system for Glucose- and Lactate analyzers:

BIOSEN, EBIO, ESAT, economic, SUPER GL, GL ambulance, GL easy, G, G1 and G2.

### 1.3 Details of the supplier of the safety data sheet

**Address**

EKF-diagnostic GmbH  
Ebendorfer Chaussee 3  
D-39179 Barleben

Telephone no. +49 (0)3 92 03 / 7 85 - 0

Fax no. +49 (0)3 92 03 / 7 85 - 16

**Information provided by / telephone**

EKF-diagnostic GmbH

Telephone: +49 (0)39203 / 785 - 0 (7 am - 4 pm on workdays)

**Advice on Safety Data Sheet**

support@ekf-diagnostic.de

### 1.4 Emergency telephone number

+49 (0) 551 / 19240 Poison Information Centre North(Giftinformationszentrale Nord)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification in accordance with Directive 67/548/EEC or 1999/45/EC**

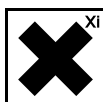
Xi; R41

Xi; R38

### 2.2 Label elements

**Labelling according to Directive 1999/45/EC**

**Hazard symbols**



Irritant

**R phrases**

38

Irritating to skin.

41

Risk of serious damage to eyes.

**S 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.

### 2.3 Other hazards

No data available.

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### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not applicable. The product is not a substance.

#### 3.2 Mixtures

##### Chemical characterization

aqueous solution

##### Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification 67/548/EEC	Concentration	%-b.w.
1	nonionic tensides			
	-	Xn; R22	> 10.00 - < 25.00	%-b.w.
	-	Xi; R41		
	-			
	-			
2	Amphotenside			
	-	Xi; R36/38	> 1.00 - < 5.00	%-b.w.
	-	N; R50		
	-			
	-			

Full Text for all R-phrases: pls. see section 16

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

In case of persisting adverse effects, consult a physician. Change contaminated, saturated clothing.

##### After inhalation

Ensure supply of fresh air.

##### After skin contact

Wash off immediately with soap and water.

##### After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical assistance.

##### After ingestion

Rinse out mouth and give plenty of water to drink. Call a doctor.

#### 4.2 Most important symptoms and effects, both acute and delayed

No data available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Extinguishing measures to suit surroundings.

##### Unsuitable extinguishing media

No data available.

#### 5.2 Special hazards arising from the substance or mixture

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide and smoke.

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## 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8.

#### For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### 6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g., sand, sawdust, general-purpose binder). Send in suitable containers for recovery or disposal.

### 6.4 Reference to other sections

No data available.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

No special measures necessary.

#### General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Avoid contact with eyes and skin.

#### Advice on protection against fire and explosion

No special measures necessary.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Keep container tightly closed in a well-ventilated place. Keep from freezing.

#### Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

#### Advice on storage assembly

Do not store together with foodstuffs.

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

No parameters available for monitoring.

### 8.2 Exposure controls

#### Appropriate engineering controls

No data available.

#### Personal protective equipment

##### Respiratory protection

No special measures required.

##### Eye / face protection

Tightly fitting safety glasses (EN 166).

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**Hand protection**

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product . Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	butyl rubber		
Material thickness		0.7	mm
Appropriate Material	nitrile rubber		
Material thickness		0.4	mm
Inappropriate material	natural rubber		
Inappropriate material	PVA		

**Other**

Standard laboratory clothing.

**Environmental exposure controls**

No data available.

**SECTION 9: Physical and chemical properties**

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

<b>Form/Colour</b>	
liquid	
light yellow	
<b>Odour</b>	
mild	
<b>Odour threshold</b>	
No data available	
<b>pH value</b>	
Value	8
Reference temperature	20 °C
<b>Boiling point / boiling range</b>	
Value	100 °C
<b>Melting point / melting range</b>	
not determined	
<b>Decomposition point / decomposition range</b>	
No data available	
<b>Flash point</b>	
Value	> 100 °C
<b>Auto-ignition temperature</b>	
Remarks	Product is not selfigniting.

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<b>Oxidising properties</b>		
No data available		
<b>Explosive properties</b>		
No data available		
<b>Flammability (solid, gas)</b>		
No data available		
<b>Lower flammability or explosive limits</b>		
No data available		
<b>Upper flammability or explosive limits</b>		
No data available		
<b>Vapour pressure</b>		
No data available		
<b>Vapour density</b>		
No data available		
<b>Evaporation rate</b>		
No data available		
<b>Relative density</b>		
No data available		
<b>Density</b>		
Value	1.05	g/cm <sup>3</sup>
Reference temperature	20	°C
<b>Solubility in water</b>		
Remarks	Completely miscible	
<b>Solubility(ies)</b>		
No data available		
<b>Partition coefficient: n-octanol/water</b>		
No data available		
<b>Viscosity</b>		
No data available		

## 9.2 Other information

<b>Other information</b>
No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Dangerous reactions are not expecting handling the product according to its intended use.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions(See section 7).

### 10.3 Possibility of hazardous reactions

None, if handled according to order.

### 10.4 Conditions to avoid

None, if handled according to order.

### 10.5 Incompatible materials

None known.

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**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

<b>Acute oral toxicity</b>	
No data available	
<b>Acute dermal toxicity</b>	
No data available	
<b>Acute inhalational toxicity</b>	
No data available	
<b>Skin corrosion/irritation</b>	
No data available	
<b>Serious eye damage/irritation</b>	
No data available	
<b>Respiratory or skin sensitisation</b>	
Route of exposure	Skin
Remarks	No sensitizing effects are known.
<b>Germ cell mutagenicity</b>	
No data available	
<b>Reproduction toxicity</b>	
No data available	
<b>Carcinogenicity</b>	
No data available	
<b>STOT-single exposure</b>	
No data available	
<b>STOT-repeated exposure</b>	
No data available	
<b>Aspiration hazard</b>	
No data available	
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>	
Irritating effects on the skin and mucous membrane. Danger of acute eye damage.	
<b>Other information</b>	
The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).	

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## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Fish toxicity</b>
No data available
<b>Daphnia toxicity</b>
No data available
<b>Algae toxicity</b>
No data available
<b>Bacteria toxicity</b>
No data available

### 12.2 Persistence and degradability

<b>Biodegradability</b>	
Remarks	The surfactants contained in this preparation comply with the conditions of biodegradability according to the directive (CE) No. 648/2004 relating to detergents. Documents of confirmation are held at the member states competent authorities' disposal and will be made available to them at their notice or at notice from the detergent producer.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Other adverse effects

No data available.

### 12.7 Other information

<b>Other information</b>
Do not discharge into the drains or waters and do not store on public depositories.
Ecological data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company. Concentrate is not allowed to be disposed together with domestic waste. Concentrate is not allowed to be released into the sewerage.

#### Packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

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## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

Information on environmental hazards, if relevant, pls. see 14.1 - 14.3.

### 14.6 Special precautions for user

No data available.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulations

#### **Restriction of occupation**

Adhere to the national sanitary and occupational safety regulations when using this product.

#### **Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances**

Remarks

Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

### 15.2 Chemical safety assessment

No data available.

## SECTION 16: Other information

#### **Sources of key data used to compile the data sheet:**

EC Directive 67/548/EC resp. 1999/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EC

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

#### **Full text of the R-, H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

R22	Harmful if swallowed.
R36/38	Irritating to eyes and skin.
R50	Very toxic to aquatic organisms.

#### **Department issuing safety data sheet**

UMCO Umwelt Consult GmbH

Georg-Wilhelm-Str. 183 , D-21107 Hamburg

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This information is based on our present state of knowledge and experience.

The security data sheet describes products with a view to the security requirements.

However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.



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Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.