

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

Printing date: 31.08.2011

Version-No: 2

Revision: 31.08.2011

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

- **Product identifier**
- **Trade name: Rinza Milk Cleaner**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation: Milk system cleaner**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Urnex Brands, Inc.	Urnex Brands, Inc.
700 Executive Blvd.	29 Harley Street, London, W1G 9QR
Elmsford, NY 10523 USA	United Kingdom
Phone: +1-914-963-2042	Tel: +44 (0)20 7927 6881
Fax: +1-914-963-2145	
- **Further information obtainable from:**

Chemservice GmbH
Von-Steuben-Straße 13
D-67549 Worms, Germany
Tel.: +49 6241-95480-0
Fax: +49 6241-95480-25
Email: sds@chemservice-group.com
- **Emergency telephone number:**

Tel.: 800-424-9300 (USA)
Tel.: 001-703-527-3887 (INTERNATIONAL COLLECT ACCEPTED)

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant


R38-41: Irritating to skin. Risk of serious damage to eyes.
- **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.
- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Label elements**
- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
Observe the general safety regulations when handling chemicals.
- **Code letter and hazard designation of product:**

 Xi Irritant
- **Risk phrases:**

38 Irritating to skin.
41 Risk of serious damage to eyes.
- **Safety phrases:**

2 Keep out of the reach of children.
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

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- 24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
39 Wear eye/face protection.
46 If swallowed, seek medical advice immediately and show this container or label.
- **Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not determined
 - **vPvB:** Not determined

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Dangerous components:**

CAS: 64-02-8 EINECS: 200-573-9 Index number: 607-428-00-2	tetrasodium ethylenediaminetetraacetate Xn R22; Xi R41	4.25%
CAS: 1310-73-2 EINECS: 215-185-5 Index number: 011-002-00-6	sodium hydroxide C R35	< 2%
CAS: 66057-30-5 Polymer	Poly(oxy-1,2-ethanediyl), alpha-phosphono-omega-(methylphenoxy)-, potassium salt (1:2) Xi R38-41	< 2%

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

4 First aid measures

- **Description of first aid measures**
- **General information:**
Take affected persons out of danger area and lay down.
Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Seek immediate medical advice.
- **Information for doctor:**
· **Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** Carbon monoxide (CO)

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- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Wear protective clothing.
- **Environmental precautions:** Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Dispose of the material collected according to regulations.
- **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.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire and explosion protection:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store under lock and key and out of the reach of children.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

1310-73-2 sodium hydroxide (< 3%)

WEL Short-term value: 2 mg/m³

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Do not inhale gases / fumes / aerosols.
Immediately remove all soiled and contaminated clothing.
Avoid contact with the eyes and skin.
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not necessary if room is well-ventilated.

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- **Protection of hands:**
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
- **Material of gloves**
Natural rubber, NR
Nitrile rubber, NBR
- **Penetration time of glove material**
The exact break through 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

9 Physical and chemical properties

Information on basic physical and chemical properties**General Information****Appearance:**

Form:	Fluid
Colour:	Light blue
Odour:	Characteristic

pH-value (10 g/l) at 20°C: 11.0 - 11.45**Change in condition****Melting point/Melting range:** Undetermined.
Boiling point/Boiling range: Undetermined.**Flash point:** Undetermined.**Self-igniting:** Product is not selfigniting.**Danger of explosion:** Product does not present an explosion hazard.**Density:** Not determined.**Solubility in / Miscibility with water:**

Soluble.

Solvent content:

Organic solvents:	0.0 %
Water:	83.8 %

Solids content: 34.6 %**Other information** No further relevant information available.

10 Stability and reactivity

Reactivity**Chemical stability**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

· Information on toxicological effects**· Acute toxicity:****· LD/LC50 values relevant for classification:****1310-73-2 sodium hydroxide**

Oral LD50 2000 mg/kg (Rat)

· 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

· Toxicity**· Aquatic toxicity:****64-02-8 tetrasodium ethylenediaminetetraacetate**

EC50 (24h) 610 mg/l (Daphnia)

EC50 (48h) > 100 mg/l (Daphnia)

LC50 (96h) 486 mg/l (Fish)

· Persistence and degradability No further relevant information available.**· Behaviour in environmental systems:****· Bioaccumulative potential** No further relevant information available.**· Mobility in soil** No further relevant information available.**· Additional ecological information:****· General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· Results of PBT and vPvB assessment**· PBT:** Not determined**· vPvB:** Not determined**· Other adverse effects** No further relevant information available.

13 Disposal considerations

· Waste treatment methods**· Recommendation** Smaller quantities can be disposed of with household waste.**· Uncleaned packaging:****· Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

- | | |
|---|-----------------|
| · UN-Number
· ADR, IMDG, IATA | Void |
| · UN proper shipping name
· ADR, IMDG, IATA | Void |
| · Transport hazard class(es)
· ADR, IMDG, IATA
· Class | Void |
| · Packing group
· ADR, IMDG, IATA | Void |
| · Environmental hazards:
· Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | Not applicable. |

15 Regulatory information

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

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.

- **Relevant phrases**
R22 Harmful if swallowed.
R35 Causes severe burns.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
- **Department issuing SDS:**
Chemservice GmbH
Von-Steuben-Str. 13
D-67549 Worms
Tel.: +49 (0)6241-95480-0
Fax: +49 (0)6241-95480-25
Email: sds@chemservice-group.com
- **Contact:** sds@chemservice-group.com