

Sehr geehrte Damen und Herren,

wir erklären folgend die Zuordnung der Artikel zum beigefügten Sicherheitsdatenblatt.

Lieferant ist:

**Katadyn Deutschland GmbH**

**Laufende Nummer aus dem Gefahrgutkataster:  
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## Safety data sheet

according to 453/2010/EC

Printing date 12.05.2015

Version number 1

Revision: 12.05.2015

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

**1.1 Product identifier**Trade name: **Certiman RegenstreifenEx****1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.**Application of the substance / the mixture** Cleaning material/ Detergent**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Katadyn Deutschland GmbH  
 Nordendstraße 76  
 D-64546 Mörfelden-Walldorf  
 Tel.: 00 49- (0)6105 456789  
 Fax: 00 49- (0)6105 45877  
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**Further information obtainable from:**

Tel.: 00 49- (0)421 38997-0  
 Fax: 00 49- (0)421 38997-11

**1.4 Emergency telephone number:**

During normal opening times: +49 421 38997-38  
 At other times: +49 172 9277170

### SECTION 2: Hazards identification

**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Carc. 2 H351 Suspected of causing cancer.

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**

GHS05 GHS08

**Signal word Danger****Hazard-determining components of labelling:**

ethoxylated fatty alcohol  
 trisodium nitrilotriacetate  
 sodiummetasilicate-5-hydrate  
 Quaternary coco alkyl methyl amineethoxylate methyl chloride

**Hazard statements**

H314 Causes severe skin burns and eye damage.

H351 Suspected of causing cancer.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P103 Read label before use.  
 P260 Do not breathe mist/vapours/spray.  
 P280 Wear protective gloves / eye protection / face protection.  
 P281 Use personal protective equipment as required.  
 P264 Wash thoroughly after handling.

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**P305+P351+P338 IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P312** Call a POISON CENTER/doctor if you feel unwell.

**P303+P361+P353 IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

**P304+P340** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**P301+P330+P331 IF SWALLOWED:** rinse mouth. Do NOT induce vomiting.

**Classification system:****NFPA-Ratings for USA**

Health = 2

Flammability = 0

Reactivity = 0

**HMS-Ratings for USA**

Health = \*2

Flamability = 0

Reactivity = 0

**2.3 Other hazards****Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

Description: Mixture: consisting of the following components.

**Dangerous components:**

CAS: 68920-66-1 Reg.nr.: 02-2119549526-31	ethoxylated fatty alcohol Eye Dam. 1, H318	5-15%
CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol Eye Irrit. 2, H319	1-5%
CAS: 5064-31-3 EINECS: 225-768-6 Reg.nr.: 01-2119519239-36	trisodium nitrilotriacetate Carc. 2, H351; Acute Tox. 4, H302; Eye Irrit. 2, H319	1-5%
CAS: 863679-20-3	Quaternary coco alkyl methyl amineethoxylate methyl chloride Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315	1-5%
CAS: 10213-79-3 EINECS: 229-912-9 Reg.nr.: 01-2119449811-37	sodiummetasilicate-5-hydrate Met. Corr. 1, H290; Skin Corr. 1B, H314; STOT SE 3, H335	<1%
CAS: 1310-58-3 EINECS: 215-181-3 Reg.nr.: 01-2119489411-37	potassium hydroxide Skin Corr. 1A, H314; Acute Tox. 4, H302	<1%

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

non-ionic surfactants	5 - 15%
NTA (nitrilotriacetic acid) and salts thereof, cationic surfactants, perfumes	< 5%

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

**SECTION 4: First aid measures****4.1 Description of first aid measures**

General information: Immediately remove any clothing soiled by the product.

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**After inhalation:** Supply fresh air.**After skin contact:** 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:** Drink plenty of water and provide fresh air. Call for a doctor immediately.**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**

No further relevant information available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.**For safety reasons unsuitable extinguishing agents:** Water with full jet**5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Nitrogen oxides (NO<sub>x</sub>)**5.3 Advice for firefighters****Protective equipment:** Do not inhale explosion gases or combustion gases.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Product forms slippery surface when combined with water.

**6.2 Environmental precautions:**

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

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).

Send for recovery or disposal 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** Open and handle receptacle with care.**Information about fire - and explosion protection:** No special measures required.**7.2 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 foodstuffs.**Further information about storage conditions:** Keep container tightly sealed.**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls / personal protection****Additional information about design of technical facilities:** No further data; see item 7.

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**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****112-34-5 2-(2-butoxyethoxy)ethanol**

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

**1310-58-3 potassium hydroxide**

WEL	Short-term value: 2 mg/m <sup>3</sup>
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Additional information: The lists valid during the making were used as basis.

**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

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

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Avoid contact with the eyes and skin.

Use skin protection cream for skin protection.

**Respiratory protection:** Only during spraying without adequate removal by suction.**Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

**Material of gloves**

Rubber gloves

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

PVC gloves

Recommended thickness of the material:  $\geq 0.4$  mm**Penetration time of glove material**Value for the permeation: Level  $\geq 480$ 

The determined penetration times according to EN 374 part III are not performed under practical conditions.

Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

**Eye protection:** Tightly sealed goggles**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:****Form:** Fluid**Colour:** Red**Odour:** Characteristic**pH-value at 20 °C:** 12.8**Change in condition****Melting point/Melting range:** - 2 °C**Boiling point/Boiling range:** 100 °C**Flash point:** Not applicable.  
Not applicable**Ignition temperature:** Not applicable**Self-igniting:** Product is not selfigniting.**Danger of explosion:** Product does not present an explosion hazard.**Explosion limits:****Lower:** Not applicable

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<b>Upper:</b>	Not applicable	<i>(Contd. of page 4)</i>
<b>Density at 20 °C:</b>	1.055 g/cm <sup>3</sup>	
<b>Solubility in / Miscibility with water:</b>	Fully miscible.	
<b>Viscosity:</b>		
<b>Dynamic:</b>	Not determined	
<b>9.2 Other information</b>	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:** No decomposition if used according to specifications.  
**10.3 Possibility of hazardous reactions**  
 Reacts with acids.  
 Reacts with light alloys to form hydrogen.  
**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:**  
**Primary irritant effect:**  
 on the skin: Irritant to skin and mucous membranes.  
 on the eye: Strong irritant with the danger of severe eye injury.  
**Sensitisation:** No sensitising 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:  
 Corrosive  
 When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.  
**Repeated dose toxicity** No further relevant information available.  
**CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**  
 Carc. 2

### 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.  
**Behaviour in environmental systems:**  
**12.4 Mobility in soil** No further relevant information available.  
**Additional ecological information:**  
**General notes:**  
 Must not reach sewage water or drainage ditch undiluted or unneutralised.  
 The contained organic complexing agents reach a DOC-elimination grade of 80% (corresponding to No. 406 of Annex "Analytic and measuring methods") and with this meet the tightened demands of Annex 49 of the revised Directive on liquid waste.

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The product does not contain organically bounded halogens (AOX-free).  
 Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**European waste catalogue**

07 06 01\* aqueous washing liquids and mother liquors

**Uncleaned packaging:****Recommendation:** Packaging may be reused or recycled after cleaning.**Recommended cleansing agents:** Water, if necessary together with cleansing agents.**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":**

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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No1907/2006

Regulation (EC) No1272/2008

**TSCA (Toxic Substances Control Act)**

61827-42-7 Isodecylalkohol x 3-20 EO

112-34-5 2-(2-butoxyethoxy)ethanol

5064-31-3 trisodium nitrilotriacetate

1310-58-3 potassium hydroxide

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

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**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.*

**Full text of the hazard and risk statements listed under section 3:**

- H290 May be corrosive to metals.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H351 Suspected of causing cancer.

**Department Issuing MSDS: R&D**

**Contact:**

Tel.: 00 49- (0)421 38997-0

Fax: 00 49- (0)421 38997-11

**Abbreviations and acronyms:**

- Met. Corr. 1: Corrosive to metals, Hazard Category 1
- Acute Tox. 4: Acute toxicity, Hazard Category 4
- Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A
- Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
- 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
- Carc. 2: Carcinogenicity, Hazard Category 2
- STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

**\* Data compared to the previous version altered.**