

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.09.2014

Version number 12

Revision: 17.09.2014

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

1.1 Product identifier

Trade name: Klarspüler

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

Product is for professional use only.

Lustre

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Renosan Chemie & Technik GmbH

Maria-Eich-Str. 5

D-81243 München

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Informing department:

Renosan GmbH, Tel.: +49 (0) 800 736 6720 (kostenfrei)

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1.4 Emergency telephone number:

Berlin - Institut für Toxikologie - Klinische Toxikologie und Giftnotruf Berlin

Tel. +49 30 30686 790

E-Mail: mail@giftnotruf.de

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EC void

Information concerning particular hazards for human and environment:

The product does not have 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 in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

2.2 Label elements

Code letter and hazard designation of product: void

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 Solution of surfactants, solubilizers and colouring in water.

Dangerous components:

CAS: 77-92-9 EINECS: 201-069-1	citric acid ☒ Xi R36 ⚠ Eye Irrit. 2, H319	< 5%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0	propan-2-ol ☒ Xi R36; ☒ F R11 R67 ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	< 5%

Classification in accordance with Directive 648/2004:

non-ionic surfactants, preservation agents, Methylchloroisothiazolinone, Methylisothiazolinone, colouring agent	< 5%
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Additional information For the wording of the listed risk phrases refer to section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information Remove soiled clothing.

After inhalation Supply fresh air; consult doctor in case of symptoms.

After skin contact

Wash with water and soap.

If skin irritation continues, consult a doctor.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing Seek medical treatment.

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 Use fire fighting measures that suit the environment.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus.

Additional information Product is not combustible.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures No special measures required.

6.2 Environmental precautions:

Do not allow product to reach sewage systems or water bodies in great quantities.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binder). Do not use combustible material like sawdust.

Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 8 for information on personal protection equipment.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Do not mix with other products.

Information about protection against explosions and fires: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

The official regulations for storage of chemicals hazardous to water must be observed.

Information about storage in one common storage facility: special Storage of hazardous substances.

Further information about storage conditions: Keep container tightly sealed.

Storage class TRGS 510: LGK 12

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

67-63-0 propan-2-ol

WEL	Short-term value: 1250 mg/m ³ , 500 ppm
	Long-term value: 999 mg/m ³ , 400 ppm

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to general rules for handling chemicals.

Avoid contact with the eyes.

Keep away from foodstuffs, beverages and food.

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Remove soiled clothing.

Breathing equipment: Not required.**Protection of hands:**

Protectiv gloves recommended.

Chemical resistant protectiv gloves (EN 374).

Material of gloves

Chemical protection gloves of the category III in accordance with EN 374. Consider the data of the manufacturers at the permeability and break-through times as well as the special conditions on the job (mechanical load, contact duration)

Thickness: > 0.4 mm, Breakthrough time: > 480 min, Material: nitrile, butyl rubber

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

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 recommendable.

Tightly sealed safety glasses.

Body protection: Wear suitable protective clothing.**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Fluid
Colour:	Light blue
Odour:	slightly Like alcohol
Odour threshold:	Not determined

pH-value (10 g/l) at 20 °C: 3.60**Change in condition**

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	ca. 100 °C
Crystallisation temperature / range:	< -5 °C

Flash point: Not determined**Ignition temperature:** Not determined**Decomposition temperature:** Not determined**Self-inflammability:** Product is not selfigniting.**Critical values for explosion:****Oxidising properties** no**Density at 20 °C** 1.03 g/cm³**Solubility in / Miscibility with****Water:** Fully miscible**9.2 Other information** No further relevant information available.**SECTION 10: Stability and reactivity****10.1 Reactivity****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.**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity:** No data for the preparation available.

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Primary irritant effect:**on the skin:** Generally not irritant.**on the eye:** Generally not irritant**Sensitisation:** No sensitizing effect known.**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:****COD-value:** 360 g O₂/kg product**General notes:**

If diluted solutions are properly feeded into biological purification plants no decline of the degradation activity is expected.

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.

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 be specially treated with regard to official regulations.**Waste disposal key number:**

Corresponding to the regulation of the European Waste catalogue the relation of the waste key numbers has to be made specific to industry and process.

European waste catalogue

Corresponding to the regulation of the EWC the relation of the waste key numbers has to be made specific to industry and process.

Uncleaned packagings:

Contaminated packages must be completely emptied and may be reused after proper cleaning.

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:**

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

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SECTION 15: Regulatory information

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

Designation according to EC guidelines:

The product has not been classified and labelled in accordance with EC Directives / relevant national laws. Observe the normal safety regulations when handling chemicals.

National regulations

Water hazard class (Germany): Water hazard class 1 (Self-assessment): slightly hazardous for water.

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

The product contains no substances from SVHC list.

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

SECTION 16: Other information

The above information is based on our present knowledge about the product. It does not guarantee specific product features.

Full text of R-phrases listed in chapters 2 and 3:

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 data specification sheet: Manufacturer

Reference to modifications:

Please take notice of the changes made in compare to the last version from 11 in the following sections:
2,3,8,15,16

Abbreviations and acronyms:

Sources KC-555530r

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