

Date of issue: 15.09.2006 Replaces Data Sheet of : 03.08.2005

\*\* alterations as compared to previous version; n.ap. = not applicable; n.av. = not available



## 1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

### 1.1 Identification of Substance or Preparation

Trade Name : R 3000 Oberflächendesinfektion

Article No. : n.av.

Preparation No. : n.av.

Registration No. :

### 1.2 Use of the substance / preparation:

Desinfektionsmittel

### 1.3 Company / Undertaking Identification

#### 1.3.1 Address of the Company / Supplier:

Renosan GmbH, Albert-Einstein-Str.6, D - 86899 Landsberg/Lech

Telephone : 08191-21100, Fax : 08191-5459, e-mail:

#### 1.3.2 Responsible :

Chemie &amp; Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf; E-Mail: info@chemie-vorschrift.de

### 1.4 Emergency - Telephone

Information Centre Specialising in Symptoms of Poisoning

Telephone : +49 - 761 - 19 240

Emergency - Telephone of Company / Undertaking

Telephone : 08191-21100 (08:30 - 16:30)

## 2 HAZARDS IDENTIFICATION

### 2.1 For Humans (additional information is given under item 11) :

Risk of serious damage to eyes. May be harmful if swallowed. Degreases skin.

### 2.2 For the Environment :

Raising overall contamination. byquaternary ammonia compounds.

### 2.3 For Materials:

None.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Chemical Characterisation:

Aqueous mixture of surfactants and additives.

### 3.2 Dangerous Ingredients:

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R - phrases
9043-30-5	n.av.	n.av.	Isotridecanoethoxylate (2 - 5 EO)	5 - 10%	Xi	R 41
139-33-3	n.av.	205-358-3	Disodiumdihydrogenethylendiamintetraacetate	5 - 10%	Xn	R 22
7173-51-5	612-131-00-6	230-525-2	Didecyldimethylammoniumchloride	1 - 5%	C	R 22-34
497-19-8	011-005-00-2	207-838-8	Sodiumcarbonate	1 - 5%	Xi	R 36

Remarks: Classification and labelling of a product is indicated under item 15.

## 4 FIRST AID MEASURES

### 4.1 Inhalation:

After inhalation of product / fumes of fire leave contaminated area and provide for fresh air.

In the event of symptoms occurring, seek medical treatment.

### 4.2 Skin Contact :

In case of contact with skin wash off immediately with water.

Consult physician.

### 4.3 Eye Contact :

In case of contact with eyes rinse thoroughly with water.

Summon a doctor immediately.

### 4.4 Ingestion :

Do not cause vomiting.

Rinse mouth out and drink plenty of water. Seek medical advice immediately.

### 4.5 Note to Physician:

Danger of aspiration when vomiting or irrigating stomach. Give anti-foaming agent if necessary.

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4.6 **Special Equipment:**  
n.av.

## 5 FIRE FIGHTING MEASURES

5.1 **Suitable Extinguishing Media :** Water, foam, dry chemicals, CO<sub>2</sub>.

5.2 **Extinguishing Media to Avoid :** None.

5.3 **Fire and Explosion Hazards :**

In case of fire, product may form: Organic crackproducts and carbon oxides, nitrogenoxides (NO<sub>x</sub>)

5.4 **Special Protective Equipment :**

Wear positive pressure self-contained breathing apparatus.

Wear full protective clothing.

5.5 **Additional Information :** This material is not combustible; use extinguishing media appropriate for surrounding fire.

## 6 ACCIDENTAL RELEASE MEASURES

6.1 **Personal Precautions :**

See No. 8.3 Personal Protective Equipment. High risk of slipping due to leakage / spillage of product.

6.2 **Environmental Precautions and Methods for Cleaning up :**

Do not allow larger quantities to enter drainage. Soak up with absorbent material.

Inform responsible authorities after accidental conduction of larger quantities.

Prevent risk of slipping by covering with mineral dispersion material.

6.3 **Further Information :** None.

## 7 HANDLING AND STORAGE (For national regulations refer to item 15.2)

7.1 **Handling**

7.1.1 **Precautions for Safe Handling :**

No special measures necessary if used correctly.

7.1.2 **Precautions in Case of Fire and Explosion :**

None.

7.2 **Storage**

7.2.1 **Storage Instructions :**

Floor must be resistant against lyes

7.2.2 **Store away from :**

Do not store together with oxidizing agents.

7.2.3 **Further Information on Storage Conditions :**

None.

7.3 **Specific use(s):**

## 8 Exposure Controls and Personal Protection

8.1 **Exposure limit values :**

**Material**

Dinatriumdihydrogenethylendiamintetraacetat

**Limit Value :**

TLV dust: 10 mg/m<sup>3</sup> (respirable fraction);

3 mg/m<sup>3</sup> (alveole passing fraction)

8.2 **Exposure controls**

8.2.1 **Occupational exposure controls:**

Do not eat or drink while working. Avoid contact with eyes and skin. Preventive skin protection by skin protection ointment. Take off contaminated, saturated clothing immediately.

8.2.1a **Respiratory Protection :** No.

8.2.1b **Hand Protection :** Gloves (solvent-resistant) (Butyl, Breakthrough time > 8h)

8.2.1c **Eye Protection :** Tightly fitting goggles

8.2.1d **Skin Protection :** Light protective clothing

8.2.1e **Further Information :** Refer to special restrictions in wearing protective equipment

8.2.2 **Environmental exposure controls:** n.av.

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Telephone : 08191-21100, **Date of issue:** 15.09.2006 **Replaces Data Sheet of :** 03.08.2005**9 Physical and Chemical Properties****9.1 General information**9.1.1 **Form** : liquid 9.1.2 **Colour** : colourless 9.1.3 **Odour** : mild**9.2 Important health, safety and environmental information**

9.2.1 pH-value, undiluted : 11,8, pH-value, 1% aqueous solution : 9,3  
 9.2.2 Boiling point / Boiling - range (°C) : n.av., Melting point / Melting range (°C) : n.av.  
 9.2.3 Flash point (°C, c.c.) : n.ap.  
 9.2.4 Flammability (EEC A10/A13) : n.av.  
 9.2.5 Ignition temperature (°C) : n.av.  
 9.2.6 Autoflammability (EEC A16) : n.ap.  
 9.2.7 Oxidising properties : n.ap.  
 9.2.8 Explosion hazard : n.ap.  
 9.2.9 Explosion limits (Vol.%) lower : n.ap., upper : n.ap.  
 9.2.10 Vapour pressure : n.av.  
 9.2.11 Density (g/ml) : n.av.  
 9.2.12 Solubility (in Water) : Soluble Soluble in : Methanol  
 9.2.13 Partition coefficient, n-Octanol/Water :  
 9.2.14 Viscosity : n.av.  
 9.2.15 Solvent separation test : n.av.  
 9.2.16 Solvent content (m %) : Not relevant

**9.3 Other information**  
 9.3.1 Thermal decomposition (°C) : n.av.  
 9.3.2 Vapour density (Air = 1) : n.av.  
 9.3.3 Evaporation rate : n.av.

**10 STABILITY AND REACTIVITY**

10.1 **Conditions to Avoid** :  
 No special measures necessary if used correctly.  
 10.2 **Materials to Avoid** :  
 None.  
 10.3 **Hazardous Decomposition Products** :  
 No dangerous decomposition products when properly handled.  
 10.4 **Further Information** :  
 None.

**11 TOXICOLOGICAL INFORMATION****11.1 Toxicological Tests :****11.1.1 Acute Health Effects :**

Inhalation, LC<sub>50</sub> rat, (mg/l/4h) : n.av.  
 Ingestion, LD<sub>50</sub> rat, (mg/kg) : n.av.  
 Skin - contact, LD<sub>50</sub> rat, (mg/kg) : n.av.  
 Irritation (to skin / eye) : Risk of serious damage to eyes.  
 Sensitisation : n.av.

**11.1.2 Subacute / Chronic Toxicity :**

Carcinogenicity : n.av.  
 Mutagenicity : n.av.  
 Teratogenicity : n.av.  
 Narcotic Effects : None.

**11.2 Practical Experience**

11.2.1 Observations relevant for classification :

None.

11.2.2 Further Observations :

None.

**11.3 General Remarks :**

Classification of the preparation has been done by calculation in accordance with EEC directives.

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## 12 ECOLOGICAL INFORMATION

- 12.1 **Ecotoxicity :**  
Available Ammonia-ions may disturb equilibrium of sewage treatment plants.
- 12.2 **Mobility :**  
n.av.
- 12.3 **Persistence and degradability:**  
The product is biodegradable.
- 12.4 **Bioaccumulative potential:**  
n.av.
- 12.5 **Results of PBT assessment**  
n.av.
- 12.6 **Other adverse effects**
- 12.6.1 COD-Value, mg/g : n.av.
- 12.6.2 BOD<sub>5</sub>-Value, mg/g : n.av.
- 12.6.3 AOX-Remarks : n.ap.
- 12.6.4 Significant Components : Tenside
- 12.6.5 Other adverse effects : None.

## 13 DISPOSAL CONSIDERATIONS (For national Regulations refer to item 15.)

- 13.1 **Residues**
- 13.1.1 Recommendation : D 10 Waste - Code - No. : 07 06 01  
In addition comply with the regional authorities.
- 13.1.2 Safe Handling: See item 7 and 15.
- 13.2 **Contaminated Packaging**
- 13.2.1 Recommendation : Wash with suitable cleaner. Otherwise as described under Residues.
- 13.2.2 Safe Handling : As described under Residues.

## 14 TRANSPORT INFORMATION

### 14.1 Transportation by Road or Railway according to ADR and RID

**Remarks : No dangerous goods according to ADR**

**Name and Description:**

Class :	UN - No :	Risklabel:
Classification Code:	Packing Group :	Hazard-No.:
Transport-category:	Limited Quantity:	

### 14.2 Classification for Transportation by Inland-Navigation according to ADNO

**Remarks : Classification has not been done.**

Class : Division : Category :

#### 14.2.1 **Description of Goods :**

#### 14.2.2 **Remarks :**

### 14.3 Classification for Transportation by Vessels according to IMDG

**Remarks : No dangerous goods according to IMDG**

Class :	UN-No. :	Packing Group :
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#### 14.3.1 **EmS-No. :**

#### 14.3.2 **Marine Pollutant :**

#### 14.3.3 **Instruction for Declaration and Labelling :**

**Proper Shipping Name :**

**Risk Label :**

#### 14.3.4 **Remarks :**

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Class : UN-No. : Packing Group :

**14.4.1 Instruction for Declaration and Labelling :****Proper Shipping Name :****Risk Label :**

Packing Instructions, Passenger : Cargo :

**14.4.2 Remarks :****15 REGULATORY INFORMATION****15.1 Classification according to EEC-Regulations :**

Classification required by EEC : Yes.

Hazard Identification : Irritant

Component(s) : enthält Isotridecanoethoxylate

**R-Phrases :**

R 41: Risk of serious damage to eyes.

Applicable Exemptions : Yes.

Hazard Symbol(s) :

**S-Phrases :**

S 2: Keep out of reach of children.

S 46: If swallowed, seek medical advice immediately and show this container or label.

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

S 39: Wear eye/face protection.

Additional Markings :

15.1.1 The above mentioned labelling is valid for distribution to industrial user.

Labelling (formats, exemptions, additional markings) has to be done according to respective regulations.

**15.2 National Regulations**

VOC-Content: n.av.

**16 OTHER INFORMATION****Text of R phrases mentioned in Section 3**

R 22: Harmful if swallowed.

R 34: Causes burns.

R 36: Irritating to eyes.

R 41: Risk of serious damage to eyes.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

Prepared by : Chemie &amp; Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf, ( +49-228-74 81 824

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