

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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## Doyen R 100

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

#### 1.1. Product identifier

Trade name/designation:

Doyen R 100

Additional information:

Restricted to professional users.

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

Use of the substance/mixture:

Washing and cleaning products

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

Supplier (manufacturer/importer/only representative/downstream user/distributor):

etol Eberhard Tripp GmbH

Allerheiligenstr. 12

77728 Openau

Germany

Telephone: +49(0)7804/41-0

Telefax: +49(0)7804/41-168

E-mail: info@etol.de

Website: www.etol.de

#### 1.4. Emergency telephone number

Vergiftungs-Informations-Zentrale Freiburg, 24h: +49(0)76119240

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]-:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (Eye Dam. 1)	H318: Causes serious eye damage.	

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



**GHS05**  
Corrosion

Signal word: Danger

Hazard components for labelling:

alkyl ether carboxylic acid; Glycin, N-(2-(2-Hydroxyethyl)amino)ethyl-, N-coco acyl derivatives, sodium-salt

hazard statements for health hazards	
H318	Causes serious eye damage.

Supplemental Hazard information (EU): -

Precautionary statements Prevention	
P280	Wear eye protection/face protection.

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### Precautionary statements Response

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor/....

### 2.3. Other hazards

No data available

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 53563-70-5	alkyl ether carboxylic acid Eye Dam. 1 <b>Danger</b> H318	1 - 2 Wt %
CAS No.: 61791-32-0 REACH No.: 01-2119487973-19	Glycin, N-(2-(2-Hydroxyethyl)amino)ethyl-, N-coco acyl- derivatives, sodium salt Eye Dam. 1 <b>Danger</b> H318	1 - 2 Wt %

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

#### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

#### After eye contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### After ingestion:

Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

#### Self-protection of the first aider:

Use personal protection equipment.

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

Serious eye damage/eye irritation

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:**

Co-ordinate fire-fighting measures to the fire surroundings.

Water

Carbon dioxide (CO<sub>2</sub>)

Extinguishing powder

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

The product itself does not burn.

**Hazardous combustion products:**

Carbon monoxide

Carbon dioxide (CO<sub>2</sub>)

#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

#### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

**Personal precautions:**

Remove persons to safety.

**Protective equipment:**

Wear protective gloves/protective clothing/eye protection/face protection.

##### 6.1.2. For emergency responders

**Personal protection equipment:**

Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

**For containment:**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

**For cleaning up:**

Water

#### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

#### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Protective measures**

**Advices on safe handling:**

Wear personal protection equipment (refer to section 8).

**Fire prevent measures:**

No special measures are necessary.

**Advices on general occupational hygiene**

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

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

#### Technical measures and storage conditions:

Keep/Store only in original container.  
Recommended storage temperature 5-45°C  
Please note the expiry date

**Storage class:** 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

No data available

#### 8.1.2. Biological limit values

No data available

#### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Reaction mass aus (2S)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt und (2R)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt CAS No.: 164462-16-2	40 mg/m <sup>3</sup>	① DNEL worker ② DNEL acute inhalative (systemic)
Reaction mass aus (2S)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt und (2R)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt CAS No.: 164462-16-2	40 mg/m <sup>3</sup>	① DNEL worker ② DNEL long-term inhalative (systemic)
Reaction mass aus (2S)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt und (2R)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt CAS No.: 164462-16-2	4 mg/m <sup>3</sup>	① DNEL worker ② DNEL long-term inhalative (local)

Substance name	PNEC Value	① PNEC type
Reaction mass aus (2S)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt und (2R)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt CAS No.: 164462-16-2	2 mg/l	① PNEC aquatic, freshwater
Reaction mass aus (2S)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt und (2R)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt CAS No.: 164462-16-2	0.2 mg/l	① PNEC aquatic, marine water
Reaction mass aus (2S)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt und (2R)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt CAS No.: 164462-16-2	1 mg/l	① PNEC aquatic, intermittent release
Reaction mass aus (2S)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt und (2R)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt CAS No.: 164462-16-2	100 mg/l	① PNEC sewage treatment plant (STP)

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No data available

#### 8.2.2. Personal protection equipment



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### Eye/face protection:

Eye glasses with side protection DIN EN 166

### 8.2.3. Environmental exposure controls

No data available

### 8.3. Additional information

No data available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state: Liquid

Colour: yellow

Odour: odourless

#### Safety relevant basis data

parameter		at °C	Method	Remark
pH	= 11.9	20 °C		
Melting point	<i>not determined</i>			
Freezing point	≈ 0 °C			
Initial boiling point and boiling range	> 90 °C			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	<i>not applicable</i>			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not applicable</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Relative density	= 1.1 g/cm <sup>3</sup>	20 °C		
Bulk density	<i>not determined</i>			
Water solubility	completely miscible	20 °C		
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>	40 °C		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product itself does not burn.

### 10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

No special measures are necessary.

### 10.5. Incompatible materials

Acid

### 10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Acute oral toxicity:**

The classification criteria for this hazard class are not met by definition.

**Acute dermal toxicity:**

The classification criteria for this hazard class are not met by definition.

**Acute inhalation toxicity:**

The classification criteria for this hazard class are not met by definition.

**Skin corrosion/irritation:**

The classification criteria for this hazard class are not met by definition.

**Serious eye damage/irritation:**

Causes serious eye damage.

**Respiratory or skin sensitisation:**

The classification criteria for this hazard class are not met by definition.

**Germ cell mutagenicity:**

The classification criteria for this hazard class are not met by definition.

**Carcinogenicity:**

The classification criteria for this hazard class are not met by definition.

**Reproductive toxicity:**

The classification criteria for this hazard class are not met by definition.

**STOT-single exposure:**

The classification criteria for this hazard class are not met by definition.

**STOT-repeated exposure:**

The classification criteria for this hazard class are not met by definition.

**Aspiration hazard:**

The classification criteria for this hazard class are not met by definition.

**Additional information:**

No data available

### SECTION 12: Ecological information

#### 12.1. Toxicity

CAS No.	Substance name	Toxicological information
53563-70-5	alkyl ether carboxylic acid	<b>LC<sub>50</sub>:</b> >100 mg/l 4 d <b>EC<sub>50</sub>:</b> =67 mg/l 2 d <b>EC<sub>50</sub>:</b> >100 mg/l 3 d
61791-32-0	Glycin, N-(2-(2-Hydroxyethyl)amino)ethyl-, N-coco acyl derivatives, sodium salt	<b>EC<sub>50</sub>:</b> =6.4 mg/l 2 d (Daphnia magna (Big water-flea))

#### 12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
53563-70-5	alkyl ether carboxylic acid	Yes, rapidly	
61791-32-0	Glycin, N-(2-(2-Hydroxyethyl)amino)ethyl-, N-coco-acyl derivatives, sodium salt	Yes, rapidly	

#### 12.3. Bioaccumulative potential

No data available

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Other adverse effects

No data available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

##### Waste code product:

20 01 29 *	Detergents containing hazardous substances
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\*: Evidence for disposal must be provided.

##### Waste code packaging:

15 01 10	packaging containing residues of or contaminated by dangerous substances
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#### Waste treatment options

##### Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

##### Appropriate disposal / Package:

Completely emptied packages can be recycled.

#### 13.2. Additional information

No data available

### SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

#### 14.1. UN-No.

not relevant

#### 14.2. UN proper shipping name

not relevant

#### 14.3. Transport hazard class(es)

not relevant

#### 14.4. Packing group

not relevant

#### 14.5. Environmental hazards

not relevant

#### 14.6. Special precautions for user

not relevant

#### 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

##### 15.1.1. EU legislation

##### Other regulations (EU):

Volatile organic compounds (VOC) content in percent by weight: 0%

##### 15.1.2. National regulations

No data available

#### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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### 15.3. Additional information

No data available

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

No data available

### 16.3. Key literature references and sources for data

No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

**Classification according to Regulation (EC) No 1272/2008 [CLP]-:**

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (Eye Dam. 1)	H318: Causes serious eye damage.	

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H318	Causes serious eye damage.

### 16.6. Training advice

No data available

### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.