

## 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** DEBAC
- **Article number:** 0095
- **Application of the substance / the preparation** Disinfectant
- **Manufacturer/Supplier:**  
Nederland: Zep Manufacturing B.V.  
Vierlinghweg 30 / 4612 PN Bergen op Zoom  
tel: +31 164-250100 / fax: + 31 164-266710
  
- **Importer / Distributor**  
SGI Limited  
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United Kingdom  
Tel: +44 845 2601990  
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- **Further information obtainable from:**  
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Tel: +44 845 2601990
- **Information in case of emergency:**  
SGI Limited  
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## 2 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 69011-36-5	Oxoalcohol C13 + 9 mol ethylen oxide	Xn; R 22-41	5-10%
CAS: 7173-51-5 EINECS: 230-525-2	didecyldimethylammonium chloride	C; R 22-34	1-5%
CAS: 64-02-8 EINECS: 200-573-9	tetrasodium ethylenediaminetetraacetate	Xn; R 22	1-5%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol	Xi,  F; R 11-36-67	1-5%

- **Additional information; Ingrediënts according to detergents guideline EEC 89/542:**  
For the wording of the listed risk phrases refer to section 16.

AQUA	≥ 30%
C13 - Oxoalcohol + 9 mol ethylen oxide	5 - 15%
DIDECYLDIMONIUM CHLORIDE, TETRASODIUM EDTA, ISOPROPYL ALCOHOL, SODIUM CARBONATE	< 5%

## 3 Hazards identification

- **Hazard description:**



Xi Irritant



**Trade name: DEBAC**

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- **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.  
R 41 Risk of serious damage to eyes.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Additional information:** The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds.

#### 4 First-aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
If skin irritation continues, consult a doctor.  
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:** If symptoms persist consult doctor.

#### 5 Fire-fighting measures

- **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

#### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Dilute with plenty of water.
- **Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

#### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

#### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

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

**67-63-0 propan-2-ol**

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

- **Additional information:** The lists valid during the making were used as basis.

- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.
- **Respiratory protection:** Not required.

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· **Protection of hands:**

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

**9 Physical and chemical properties**

· **General Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

· **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** > 103°C

· **Flash point:** Not applicable.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapour pressure at 20°C:** 23.0 hPa

· **Density at 20°C:** 1.020 g/cm<sup>3</sup>

· **Solubility in / Miscibility with water:** Fully miscible.

· **pH-value at 20°C:** 12.5

· **Viscosity:**

**Kinematic at 20°C:** 25 s (DIN 53211/4)

· **Solvent content:**

<b>Organic solvents:</b>	1.8 %
<b>Water:</b>	83.1 %

**10 Stability and reactivity**

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous decomposition products:** No dangerous decomposition products known.

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## 11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

**69011-36-5 Oxalcohol C13 + 9 mol ethylen oxide**

Oral	LD50	200 - 2000 mg/kg (Rat)
Literatuur waarde		

**7173-51-5 didecyldimethylammonium chloride**

Oral	LD50	645 mg/kg (Rat)
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**67-63-0 propan-2-ol**

Dermal	LD50	13400 mg/kg (rab)
Inhalative	LC50 / 4 h	30 mg/ltr (Rat)

**497-19-8 sodium carbonate**

Oral	LD50	4000 mg/kg (Rat)
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**1312-76-1 Liquid potassium silicate**

Oral	LD50	1280 mg/kg (Rat)
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· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **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

· **Information about elimination (persistence and degradability):**

**69011-36-5 Oxalcohol C13 + 9 mol ethylen oxide**

OECD test 301 A > 70 (biodegradation in % after 28 days)

OECD test 301 B > 60 (biodegradation in % after 28 days)

**67-63-0 propan-2-ol**

COD	2.23 (mg O <sub>2</sub> / g product)
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· **Other information:** The product is biodegradable.

· **Ecotoxicological effects:**

· **Aquatic toxicity:**

**69011-36-5 Oxalcohol C13 + 9 mol ethylen oxide**

EC50	1 - 10 mg/ltr (Daphnia magna (water flea))
Literatuurwaarde	

**67-63-0 propan-2-ol**

EC 50 / 72 H	1800 (Selenastrum capricornutum (Algae))
cel count	

LC50 / 48 h	1099 mg/ltr (Crangon crangon (Brown shrimps))
100 - 1000 mg/ltr (pisces)	

· **General notes:**

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.

In accordance with the requirements of the RVO in the Act on Detergents and Cleansing Agents, tensides are biodegradable up to at least 90 %.

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.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

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Danger to drinking water if even small quantities leak into the ground.

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### 13 Disposal considerations

- **Product:**
  - **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.
  - **European waste catalogue**
- |          |                   |
|----------|-------------------|
| 15 01 02 | plastic packaging |
|----------|-------------------|
- **Uncleaned packaging:**
  - **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Maritime transport IMDG:**
- **Marine pollutant:** No

### 15 Regulatory information

- **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:**  
41 Risk of serious damage to eyes.
- **Safety phrases:**  
21 When using do not smoke.  
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.
- **Special labelling of certain preparations:**  
Safety data sheet available for professional user on request.

- **National regulations:**

- **Technical instructions (air):**

Class	Share in %
Water	83.1
NK	1.8

- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

### 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.

- **Department issuing MSDS:** SGI Limited / Customer services / Tel: +44 845 2601990
- **Contact:** SGI Limited / Customer services / Tel: +44 845 2601990
- **\* Data compared to the previous version altered.**