

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Contra Sept 990 Desinfektionsreiniger fuer Klimaanlage 129901000D**

Revision date: 21.04.2020

Product code: 11A1299001000D

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

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**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Disinfectants

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

|               |                                |                               |
|---------------|--------------------------------|-------------------------------|
| Company name: | TUNAP GmbH & Co. KG            |                               |
| Street:       | Buergermeister-Seidl-Strasse 2 |                               |
| Place:        | D-82515 Wolfratshausen         |                               |
| Telephone:    | +49 (0) 8171/1600-0            | Telefax: +49 (0) 8171/1600-40 |
| e-mail:       | sdb@tunap.com                  |                               |
| Internet:     | www.tunap.com                  |                               |

**1.4. Emergency telephone number:** 111 NHS (National Health Service)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful to aquatic life with long lasting effects.

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

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

P501 Dispose of contents/container according to the official regulations.

**2.3. Other hazards**

No special measures are necessary.

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

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#### Hazardous components

| CAS No     | Chemical name   |          |          | Quantity    |
|------------|---|----------|----------|-------------|
|            | EC No   | Index No | REACH No |             |
|            | GHS Classification  |          |          |             |
| 85409-23-0 | Quaternary ammonium compounds, Alkyl (C12 -C14) ethyl benzyl ammonium chloride                        |          |          | 0.1 - < 1 % |
|            | 287-090-7   |          |          |             |
|            | Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H400 H410                  |          |          |             |
| 68424-85-1 | Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides                                 |          |          | 0.1 - < 1 % |
|            | 270-325-2   |          |          |             |
|            | Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H400 H410                  |          |          |             |
| 7173-51-5  | didecyldimethylammonium chloride  |          |          | 0.1 - < 1 % |
|            | 230-525-2   |          |          |             |
|            | Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2; H301 H314 H318 H400 H411 |          |          |             |

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

| CAS No     | EC No   | Chemical name  | Quantity    |
|------------|---|--|-------------|
|            | Specific Conc. Limits, M-factors and ATE  |  |             |
| 85409-23-0 | 287-090-7   | Quaternary ammonium compounds, Alkyl (C12 -C14) ethyl benzyl ammonium chloride | 0.1 - < 1 % |
|            | oral: LD50 = 778 mg/kg M akut; H400: M=10   |  |             |
| 68424-85-1 | 270-325-2   | Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides          | 0.1 - < 1 % |
|            | dermal: LD50 = 3340 mg/kg; oral: LD50 = 344 mg/kg M akut; H400: M=10<br>M chron.; H410: M=1 |  |             |
| 7173-51-5  | 230-525-2   | didecyldimethylammonium chloride   | 0.1 - < 1 % |
|            | dermal: LD50 = 3342 mg/kg; oral: LD50 = 238 mg/kg M akut; H400: M=10                        |  |             |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

First aider: Pay attention to self-protection! Remove persons to safety. Never give anything by mouth to an unconscious person or a person with cramps.

##### After inhalation

Remove person to fresh air and keep comfortable for breathing. In all cases of doubt, or when symptoms persist, seek medical advice.

##### After contact with skin

Wash with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. In all cases of doubt, or when symptoms persist, seek medical advice.

##### After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

##### After ingestion

Rinse mouth immediately and drink plenty of water.

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

Headache, nausea, dizziness, fatigue, skin irritation

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

Treat symptomatically. Call a POISON CENTER. Symptoms can occur only after several hours.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### **Suitable extinguishing media**

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

##### **Unsuitable extinguishing media**

High power water jet.

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

The product itself does not burn.

#### 5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Move undamaged containers from immediate hazard area if it can be done safely. In case of fire: Wear self-contained breathing apparatus.

#### **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

##### **General measures**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Remove all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Wear personal protection equipment.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Ensure all waste water is collected and treated via a waste water treatment plant.

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

##### **Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Clean contaminated articles and floor according to the environmental legislation.

#### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### **Advice on safe handling**

Observe instructions for use.

Dust must be exhausted directly at the point of origin. Vapours/aerosols must be exhausted directly at the point of origin. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

When using do not eat, drink, smoke, sniff.

Wear personal protection equipment (refer to section 8).

##### **Further information on handling**

Avoid contact with skin and eyes.

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

##### **Requirements for storage rooms and vessels**

Protect from frost. Keep container tightly closed. Observe legal regulations and provisions.

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### Hints on joint storage

Do not store together with: Oxidizing agents. Pyrophoric or self-heating substances. Food and feedingstuffs.

### Further information on storage conditions

Protect from frost.

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice on limit values

- a no restriction
- b End of exposure or end of shift
- c at long-term exposure:
- d before next shift

blood (B)

Urine (U)

### 8.2. Exposure controls

#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used.

#### Protective and hygiene measures

Avoid exposure. Wear suitable protective clothing. Draw up and observe skin protection programme.

#### Eye/face protection

Suitable eye protection: Tightly sealed safety glasses.

DIN EN 166

#### Hand protection

Protect skin by using skin protective cream. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material: NBR (Nitrile rubber) Breakthrough time: 480min

Thickness of the glove material 0,45 mm

EN ISO 374

#### Skin protection

Wear suitable protective clothing. Take off immediately all contaminated clothing and wash it before reuse.

#### Respiratory protection

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

When exceeding the relevant workplace exposure limits, note the following:

Suitable respiratory protective equipment: Combination filter device (DIN EN 141)..

Filtering device with filter or ventilator filtering device of type: P2

Observe the wear time limits as specified by the manufacturer.

Observe legal regulations and provisions.

#### Environmental exposure controls

Observe legal regulations and provisions.

## SECTION 9: Physical and chemical properties

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

Physical state:

liquid

Colour:

colourless

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**Test method**

pH-Value (at 20 °C):

7,3 DIN 19268

**Changes in the physical state**

Melting point:

The product has not been tested.

Boiling point or initial boiling point and boiling range:

100 °C

Sublimation point:

No information available.

Softening point:

No information available.

Pour point:

No information available.

Flash point:

not applicable

Sustaining combustion:

No data available

**Flammability**

Solid/liquid:

The product has not been tested.

Lower explosion limits:

not applicable

Upper explosion limits:

not applicable

Auto-ignition temperature:

not applicable

**Self-ignition temperature**

Solid:

The product has not been tested.

Vapour pressure:

The product has not been tested.

Density (at 20 °C):

0,9974 g/cm<sup>3</sup> DIN 51757

Bulk density:

not applicable

Water solubility:

highly soluble.

Viscosity / dynamic:

DIN 53019-1

Viscosity / kinematic:  
(at 40 °C)

DIN EN ISO 3104

Flow time:  
(at 20 °C)

DIN EN ISO 2431

Solvent content:

not applicable

**9.2. Other information****SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

**10.2. Chemical stability**

The product is stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4. Conditions to avoid**

Protect from frost.

**10.5. Incompatible materials**

Oxidizing agents. Pyrophoric or self-heating substances.

**10.6. Hazardous decomposition products**

Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO<sub>2</sub>, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.

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#### Further information

Do not mix with other chemicals.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Toxicokinetics, metabolism and distribution

There are no data available on the mixture itself.

##### Acute toxicity

Based on available data, the classification criteria are not met.

| CAS No     | Chemical name  |                    |         |        |        |
|------------|--|--------------------|---------|--------|--------|
|            | Exposure route   | Dose               | Species | Source | Method |
| 85409-23-0 | Quaternary ammonium compounds, Alkyl (C12 -C14) ethyl benzyl ammonium chloride |                    |         |        |        |
|            | oral   | LD50 778<br>mg/kg  | Rat     |        |        |
| 68424-85-1 | Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides          |                    |         |        |        |
|            | oral   | LD50 344<br>mg/kg  | Rat     |        |        |
|            | dermal   | LD50 3340<br>mg/kg | Rabbit  |        |        |
| 7173-51-5  | didecyldimethylammonium chloride   |                    |         |        |        |
|            | oral   | LD50 238<br>mg/kg  | Rat     |        |        |
|            | dermal   | LD50 3342<br>mg/kg | Rabbit  |        |        |

##### Irritation and corrosivity

Based on available data, the classification criteria are not met.

##### Sensitising effects

Based on available data, the classification criteria are not met.

##### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

No indications of human carcinogenicity exist.

No indications of human germ cell mutagenicity exist.

No indications of human reproductive toxicity exist.

##### STOT-single exposure

Based on available data, the classification criteria are not met.

##### STOT-repeated exposure

Based on available data, the classification criteria are not met.

##### Aspiration hazard

Based on available data, the classification criteria are not met.

##### Specific effects in experiment on an animal

No information available.

##### Additional information on tests

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### SECTION 12: Ecological information

#### 12.1. Toxicity

Do not allow to enter into surface water or drains.

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| CAS No     | Chemical name   |               |           |         |                                 |        |
|------------|---|---------------|-----------|---------|---------------------------------|--------|
|            | Aquatic toxicity  | Dose          | [h]   [d] | Species | Source                          | Method |
| 68424-85-1 | Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides |               |           |         |                                 |        |
|            | Acute fish toxicity   | LC50<br>mg/l  | 0,28      | 96 h    | Pimephales promelas             |        |
|            | Acute algae toxicity  | ErC50<br>mg/l | 0,049     | 72 h    | Pseudokirchneriella subcapitata |        |
|            | Acute crustacea toxicity  | EC50<br>mg/l  | 0,016     | 48 h    | Daphnia magna                   |        |
| 7173-51-5  | didecyldimethylammonium chloride                                      |               |           |         |                                 |        |
|            | Acute fish toxicity   | LC50<br>mg/l  | 0,19      | 96 h    | Pimephales promelas             |        |
|            | Acute algae toxicity  | ErC50<br>mg/l | 0,026     |         | Pseudokirchneriella subcapitata |        |
|            | Acute crustacea toxicity  | EC50<br>mg/l  | 0,062     | 48 h    | Daphnia magna                   |        |

#### **12.2. Persistence and degradability**

There are no data available on the mixture itself. AOX (mg/l): 0

#### **12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

#### **12.4. Mobility in soil**

No information available.

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

This substance does not meet the criteria for classification as PBT or vPvB.

#### **12.7. Other adverse effects**

No information available.

#### **Further information**

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

##### **List of Wastes Code - residues/unused products**

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; hazardous waste

##### **List of Wastes Code - used product**

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; hazardous waste

##### **List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

##### **Contaminated packaging**

Water (with cleaning agent). Completely emptied packages can be recycled.

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#### SECTION 14: Transport information

##### Land transport (ADR/RID)

|  |  |
|--|--|
| <b>14.1. UN number:</b>                  | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

##### Inland waterways transport (ADN)

|  |  |
|--|--|
| <b>14.1. UN number:</b>                  | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

##### Marine transport (IMDG)

|  |  |
|--|--|
| <b>14.1. UN number:</b>                  | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |
| Marine pollutant:                        | no   |

##### Air transport (ICAO-TI/IATA-DGR)

|  |  |
|--|--|
| <b>14.1. UN number:</b>                  | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

##### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

##### 14.6. Special precautions for user

No information available.

##### 14.7. Maritime transport in bulk according to IMO instruments

not applicable

#### SECTION 15: Regulatory information

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

###### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

2010/75/EU (VOC): No information available.

2004/42/EC (VOC): No information available.

###### Additional information

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

###### National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

###### Additional information

Information in accordance with Regulation (EU) Nr. 528/2012

|   | CAS-Nr.    | g/100g |
|---|------------|--------|
| Didecyldimethylammoniumchlorid                              | 7173-51-5  | 0,24   |
| C12-14-alkyl[(ethylphenyl)methyl]dimethylammoniuml, chlorid | 85409-23-0 | 0,24   |



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Benzyl-C12-16-alkyldimethylammonium, chlorid  
Reg.-Nr.: N 56006

8424-85-1 0,24

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 1,2,7,8,9,10,11,14,15.

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL/DMEL: Derived No Effect Level / Derived Minimal Effect Level

WEL (UK): Workplace Exposure Limits

TWA (EC): Time-Weighted Average

ATE: Acute Toxicity Estimate

STEL (EC) Short Term Exposure Limit

LC50: Lethal Concentration

EC50: half maximal Effective Concentration

ErC50: means EC50 in terms of reduction of growth rate

**Relevant H and EUH statements (number and full text)**

|      |   |
|------|---|
| H301 | Toxic if swallowed.                                   |
| H302 | Harmful if swallowed.                                 |
| H314 | Causes severe skin burns and eye damage.              |
| H318 | Causes serious eye damage.                            |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects.      |
| H412 | Harmful to aquatic life with long lasting effects.    |

**Further Information**

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

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.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*