

gigasept® instru AF **No Change Service!**

Version Revision Date: Date of last issue: 11.11.2016
05.01 01.02.2017 Date of first issue: 10.10.2007

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

Trade name : gigasept® instru AF

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

Use of the Sub- : Disinfectants
stance/Mixture

Recommended restrictions : Restricted to professional users.
on use

1.3 Details of the supplier of the safety data sheet

Manufacturer/ Supplier : Schülke & Mayr GmbH
Robert-Koch-Str. 2

22851 Norderstedt
Germany
Telephone: +49 (0)40/ 52100-0
Telefax: +49 (0)40/ 52100318
mail@schuelke.com
www.schuelke.com

Supplier : Schülke & Mayr UK Ltd.
Cygnet House
1, Jenkin Road, Meadowhall

Sheffield S9 1AT
United Kingdom
Telephone: +44 114 254 35 00
Telefax: +44 114 254 35 01
mail.uk@schulke.com

E-mail address of person : Application Department
responsible for the +49 (0)40/ 521 00 8800
SDS/Contact person ADHI@schuelke.com
(Schülke & Mayr UK Ltd.: +44-1142543500)

1.4 Emergency telephone number

Emergency telephone num- : UK Poisons Emergency number: 0870 600 6266
ber
Emergency telephone num- : +49 (0)40/ 52100-0
ber

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

| | |
|--|---|
| Acute toxicity, Category 4 | H302: Harmful if swallowed. |
| Skin corrosion, Category 1B | H314: Causes severe skin burns and eye damage. |
| Serious eye damage, Category 1 | H318: Causes serious eye damage. |
| Specific target organ toxicity - repeated exposure, Category 2 | H373: May cause damage to organs through prolonged or repeated exposure if swallowed. |

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

schülke 

gigasept® instru AF **No Change Service!**

Version Revision Date: Date of last issue: 11.11.2016
05.01 01.02.2017 Date of first issue: 10.10.2007

Acute aquatic toxicity, Category 1
Chronic aquatic toxicity, Category 2

H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word : Danger

Hazard statements : H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H373 May cause damage to organs through prolonged or repeated exposure if swallowed.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : P260 Do not breathe vapours.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P310+P330 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Hazardous components which must be listed on the label:

| | | |
|---------------|--|---|
| | | Cocosalkylpropylendiaminbiguanidiniumdiacetat |
| 90640-43-0 | | N-dodecylpropane-1,3-diamine |
| II 68424-85-1 | | Alkyl (C12-16) dimethylbenzyl ammonium chloride |

Special labelling of certain mixtures : Labelling according to Regulation (EC) No. 648/2004: (5 - 15 % non-ionic surfactants, perfumes)

Further information : The product is classified in accordance with Annex I (2.6.4.5) to Regulation (EC) 1272/2008.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

No special risks known.

SECTION 3: Composition/information on ingredients

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

schülke 

gigasept® instru AF **No Change Service!**

Version
05.01

Revision Date:
01.02.2017

Date of last issue: 11.11.2016
Date of first issue: 10.10.2007

3.2 Mixtures

Chemical nature : Solution of the following substances with harmless additives.

Hazardous components

| Chemical name | Index-Number CAS-No. EC-No. Registration number | Classification | Concentration (% w/w) |
|--|---|---|--------------------------|
| Cocosalkylpropylendiamin- biguanidiniumdiacetat | - - - - - - 939-650-3 01-2119980967-14- XXXX | Acute Tox. 4; H302 Skin Corr. 1C; H314 STOT RE 2; H373 Aquatic Chronic 1; H410 Aquatic Acute 1; H400 | 14 |
| Alkyl (C12-16) dimethylbenzyl ammonium chloride | - - - 68424-85-1 270-325-2 01-2119970550-39- XXXX | Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | 2.5 |
| Ethanol | 603-002-00-5 64-17-5 200-578-6 01-2119457610-43- XXXX | Flam. Liq. 2; H225 Eye Irrit. 2; H319 | 5 - 15 |
| Tridecylpolyethylenglycolether | - - - 69011-36-5 Polymer | Aquatic Chronic 3; H412 Eye Dam. 1; H318 | 5 - 15 |
| Propan-2-ol | 603-117-00-0 67-63-0 200-661-7 01-2119457558-25- XXXX | Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 | < 5 |
| N-dodecylpropane-1,3-diamine | - - - 90640-43-0 292-562-0 01-2119957843-25- XXXX | Acute Tox. 3; H301 Skin Corr. 1B; H314 STOT RE 1; H372 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | < 5 |

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Take off all contaminated clothing immediately.
If inhaled : If symptoms persist, call a physician.
In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. If symptoms persist, call a physician.

gigasept® instru AF *No Change Service!*

| | | |
|---------|----------------|---------------------------------|
| Version | Revision Date: | Date of last issue: 11.11.2016 |
| 05.01 | 01.02.2017 | Date of first issue: 10.10.2007 |

- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
- If swallowed : Do NOT induce vomiting. Rinse mouth with water. Give small amounts of water to drink. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Treat symptomatically.,

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Suitable extinguishing media : Dry powder, Foam, Carbon dioxide (CO₂), Water spray jet
- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire.
- Specific risk from the substance or the product itself, its combustion products or evolved gases : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x)

5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- Personal precautions : Increased risk of slipping in the presence of leaked / spilled product. Use personal protective equipment.

6.2 Environmental precautions

- Environmental precautions : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece). Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

see Section 8 + 13

SECTION 7: Handling and storage

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

schülke 

gigasept® instru AF **No Change Service!**

Version Revision Date:
05.01 01.02.2017

Date of last issue: 11.11.2016
Date of first issue: 10.10.2007

7.1 Precautions for safe handling

- Advice on safe handling : Prepare the working solution as given on the label(s) and/or the user instructions.
- Advice on protection against fire and explosion : No special protective measures against fire required.
- Hygiene measures : Keep away from food and drink.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Store at room temperature in the original container.
- Further information on storage conditions : Keep away from direct sunlight. Keep away from heat. Keep container tightly closed.
- Advice on common storage : No materials to be especially mentioned.

7.3 Specific end use(s)

- Specific use(s) : none

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|-------------|---------|-------------------------------|--------------------------------------|-------|
| Ethanol | 64-17-5 | WEL | 1,000 ppm 1,920 mg/m ³ | HSE |
| Propan-2-ol | 67-63-0 | WEL | 400 ppm 999 mg/m ³ | HSE |
| | | WEL | 500 ppm 1,250 mg/m ³ | HSE |

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name | End Use | Exposure routes | Potential health effects | Value |
|---|---------|-----------------|--------------------------------------|------------------------|
| Alkyl (C12-16) dimethylbenzyl ammonium chloride | Workers | Skin contact | Long-term systemic effects | 5.7 mg/kg |
| | Workers | Inhalation | Long-term systemic effects | 3.96 mg/m ³ |
| | Workers | Inhalation | Acute effects, Local effects | 1900 mg/m ³ |
| Ethanol | Workers | Skin contact | Chronic effects | 343 mg/kg |
| | Workers | Inhalation | Chronic effects | 950 mg/m ³ |
| | Workers | Skin contact | Long-term exposure, Systemic effects | 888 mg/kg |
| Propan-2-ol | Workers | Inhalation | Long-term exposure, Systemic effects | 500 mg/m ³ |

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name | Environmental Compartment | Value |
|----------------|---------------------------|-------|
|----------------|---------------------------|-------|

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

schülke 

gigasept® instru AF **No Change Service!**

Version
05.01

Revision Date:
01.02.2017

Date of last issue: 11.11.2016
Date of first issue: 10.10.2007

| | | |
|---|---|--------------|
| Alkyl (C12-16) dimethylbenzyl ammonium chloride | Fresh water | 0.0009 mg/l |
| | Marine water | 0.00009 mg/l |
| | Fresh water sediment | 12.27 mg/kg |
| | Marine sediment | 13.09 mg/kg |
| | Soil | 7 mg/kg |
| | Effects on waste water treatment plants | 0.4 mg/l |
| Ethanol | Fresh water | 0.96 mg/l |
| | Marine water | 0.79 mg/l |
| | Fresh water sediment | 3.6 mg/kg |
| | Soil | 0.63 mg/kg |
| Propan-2-ol | Fresh water | 140.9 mg/l |
| | Marine water | 140.9 mg/l |
| | Fresh water sediment | 552 mg/kg |
| | Marine sediment | 552 mg/kg |
| | Soil | 28 mg/kg |

8.2 Exposure controls

Engineering measures

Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Eye protection : Safety glasses with side-shields conforming to EN166

Hand protection
Directive

: The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Remarks

: Splash protection: disposable nitrile rubber gloves e.g. Dermatril (layer thickness: 0.11 mm) made by KCL or gloves from other manufacturers offering the same protection. Prolonged contact: Nitrile rubber gloves e.g. Camatril (>480 Min., layer thickness: 0,40 mm) or butyl rubber gloves e.g. Butoject (>480 Min., layer thickness: 0,70 mm) made by KCL or gloves from other manufacturers offering the same protection.

Respiratory protection

: No personal respiratory protective equipment normally required.

Protective measures

: Avoid contact with skin and eyes.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

schülke 

gigasept® instru AF ***No Change Service!***

Version Revision Date: Date of last issue: 11.11.2016
05.01 01.02.2017 Date of first issue: 10.10.2007

| | | |
|--|---|--|
| Colour | : | green |
| Odour | : | amine-like |
| Odour Threshold | : | not determined |
| pH | : | ca. 9, 20 °C, concentrate |
| Melting point/freezing point | : | < -5 °C |
| Decomposition temperature | : | No data available |
| Boiling point/boiling range | : | ca. 90 °C |
| Flash point | : | 36 °C, DIN 51755 Part 1 Other information: Does not sustain combustion. |
| Evaporation rate | : | No data available |
| Flammability (solid, gas) | : | Not applicable |
| Upper explosion limit | : | No data available |
| Lower explosion limit | : | No data available |
| Relative vapour density | : | No data available |
| Density | : | ca. 0.99 g/cm ³ , 20 °C |
| Solubility(ies) | | |
| Water solubility | : | in all proportions , 20 °C |
| Partition coefficient: n-octanol/water | : | Not applicable |
| Auto-ignition temperature | : | No data available |
| Viscosity | | |
| Viscosity, dynamic | : | ca. 30 mPa*s, 20 °C, DIN 54453 |
| Explosive properties | : | No data available |
| Oxidizing properties | : | No data available |

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

None reasonably foreseeable.

10.4 Conditions to avoid

Protect from frost, heat and sunlight.

10.5 Incompatible materials

Incompatible with acids.,

10.6 Hazardous decomposition products

None reasonably foreseeable.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

gigasept® instru AF *No Change Service!*Version 05.01
Revision Date: 01.02.2017Date of last issue: 11.11.2016
Date of first issue: 10.10.2007

Acute oral toxicity : Acute toxicity estimate: 1,066 mg/kg, Harmful if swallowed.
 Acute inhalation toxicity : Acute toxicity estimate: 14.7 mg/l
 Acute dermal toxicity : Acute toxicity estimate: 4,839 mg/kg

Skin corrosion/irritation**Product:**

Causes severe skin burns and eye damage., Calculation method

Serious eye damage/eye irritation**Product:**

Causes serious eye damage., Calculation method

Respiratory or skin sensitisation**Components:****Cocosalkylpropylendiaminbiguanidiniumdiacetat:**

No data available

Alkyl (C12-16) dimethylbenzyl ammonium chloride:

Did not cause sensitisation on laboratory animals. Guinea pig

Ethanol:

Did not cause sensitisation on laboratory animals. Maximisation Test, Guinea pig

Tridecylpolyethylenglycolether:

Did not cause sensitisation on laboratory animals. Maximisation Test, Guinea pig

Propan-2-ol:

Did not cause sensitisation on laboratory animals. Buehler Test, Guinea pig

N-dodecylpropane-1,3-diamine:

not applicable, corrosive substance. According Guidline OECD 402 a non- corrosive concentration has to be tested

Germ cell mutagenicity**Components:****Cocosalkylpropylendiaminbiguanidiniumdiacetat:**

Germ cell mutagenicity- Assessment : No data available

Alkyl (C12-16) dimethylbenzyl ammonium chloride:

Genotoxicity in vitro : Not mutagenic in Ames Test

Germ cell mutagenicity- Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Ethanol:

Genotoxicity in vitro : OECD Test Guideline 471, Not mutagenic in Ames Test

Genotoxicity in vivo : not mutagenic

Germ cell mutagenicity- Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Tridecylpolyethylenglycolether:

Genotoxicity in vitro : Not mutagenic in Ames Test

Germ cell mutagenicity- Assessment : Not mutagenic in Ames Test

Propan-2-ol:

Germ cell mutagenicity- Assessment : Animal testing did not show any mutagenic effects.

N-dodecylpropane-1,3-diamine:

Genotoxicity in vitro : Not mutagenic in Ames Test

Germ cell mutagenicity- Assessment : Not mutagenic in Ames Test

gigasept® instru AF **No Change Service!**Version Revision Date:
05.01 01.02.2017Date of last issue: 11.11.2016
Date of first issue: 10.10.2007**Carcinogenicity****Components:****Cocosalkylpropylendiaminbiguanidiniumdiacetat:**

Carcinogenicity - Assessment : No data available

Alkyl (C12-16) dimethylbenzyl ammonium chloride:

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

Ethanol:

Carcinogenicity - Assessment : Did not show carcinogenic effects in animal experiments.

Tridecylpolyethylenglycolether:

Carcinogenicity - Assessment : Did not show carcinogenic effects in animal experiments.

Propan-2-ol:

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

N-dodecylpropane-1,3-diamine:

Carcinogenicity - Assessment : No data available

Reproductive toxicity**Components:****Cocosalkylpropylendiaminbiguanidiniumdiacetat:**

Reproductive toxicity - Assessment : No data available

Alkyl (C12-16) dimethylbenzyl ammonium chloride:

Reproductive toxicity - Assessment : Animal testing did not show any effects on fertility.

Ethanol:

Effects on foetal development : Rat, Oral, NOAEL: 2,000 mg/kg

Reproductive toxicity - Assessment : In animal testing, risk of impaired fertility was shown only after administration of very high doses of this substance.

Tridecylpolyethylenglycolether:Effects on fertility : Two-generation study, Rat, NOAEL: > 250 mg/kg, F1: > 250 mg/kg, F2: > 250 mg/kg
Rat, Oral, NOAEL: > 50 mg/kg, NOAEL: 50 mg/kg
Rat, Dermal, NOAEL: > 250 mg/kg, NOAEL: 250 mg/kg
Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.**Propan-2-ol:**

Reproductive toxicity - Assessment : Animal testing did not show any effects on fertility.

N-dodecylpropane-1,3-diamine:

Reproductive toxicity - Assessment : According to experience not expected

STOT - single exposure**Components:****Alkyl (C12-16) dimethylbenzyl ammonium chloride:**

No data available

Ethanol:

gigasept® instru AF *No Change Service!*Version
05.01Revision Date:
01.02.2017Date of last issue: 11.11.2016
Date of first issue: 10.10.2007

No data available

Tridecylpolyethylenglycoether:

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Propan-2-ol:

May cause drowsiness or dizziness.

N-dodecylpropane-1,3-diamine:

not determined

STOT - repeated exposure**Product:**

May cause damage to organs through prolonged or repeated exposure.

Repeated dose toxicity**Components:****Ethanol:**

Rat, NOAEL: 1,730 mg/kg, LOAEL: 3,160 mg/kg, Oral90 d

N-dodecylpropane-1,3-diamine:

Rat, male and female, NOAEL: 0.4 mg/l, Ingestion, OECD Test Guideline 408

Aspiration toxicity**Components:****Tridecylpolyethylenglycoether:**

No aspiration toxicity classification

Further information**Product:**

No data is available on the product itself.

SECTION 12: Ecological information**12.1 Toxicity****Product:**

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.28 mg/l, 48 h, Analytical monitoring: yes, OECD Test Guideline 202, GLP: yes

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Components:**Cocosalkylpropylendiaminbiguanidiniumdiacetat:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 0.1 - 1 mg/l, 96 h

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 1

Alkyl (C12-16) dimethylbenzyl ammonium chloride:

Toxicity to fish : LC50 : 0.85 mg/l, 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna): 0.015 mg/l, 48 h

gigasept® instru AF **No Change Service!**Version 05.01
Revision Date: 01.02.2017Date of last issue: 11.11.2016
Date of first issue: 10.10.2007

Toxicity to algae : IC50 : 0.03 mg/l, 72 h
 M-Factor (Acute aquatic toxicity) : 10
 Toxicity to fish (Chronic toxicity) : NOEC: 0.032 mg/l , 34 d, Pimephales promelas (fathead minnow)
 Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.0042 mg/l , 21 d, Daphnia magna (Water flea)
 M-Factor (Chronic aquatic toxicity) : 1

Ethanol:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 8,140 mg/l, 48 h
 Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 5,000 mg/l, 48 h
 Toxicity to algae : IC50 (Scenedesmus quadricauda (Green algae)): > 100 mg/l, 72 h

Tridecylpolyethylenglycolether:

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): > 1 - 10 mg/l, 96 h, OECD Test Guideline 203
 Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l, 48 h, OECD Test Guideline 202
 Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 1 - 10 mg/l, 72 h, OECD Test Guideline 201

Propan-2-ol:

Toxicity to fish : LC50 (Leuciscus idus): > 100 mg/l, 48 h, static test, Raw material, literature value
 Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna): > 100 mg/l, 48 h, static test, Raw material, literature value
 Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l, 72 h, static test, Raw material, literature value

N-dodecylpropane-1,3-diamine:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 0.148 mg/l, 96 h, OECD Test Guideline 203
 Toxicity to daphnia and other aquatic invertebrates : NOEC (Daphnia magna): 0.032 mg/l, Reproduction Test, OECD Test Guideline 211, 21 -days
 Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (microalgae)): 0.0652 mg/l, 72 h, OECD Test Guideline 201
 M-Factor (Acute aquatic toxicity) : 100
 Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.032 mg/l , 21 d, Daphnia magna (Water flea), OECD Test Guideline 211
 M-Factor (Chronic aquatic toxicity) : 1

12.2 Persistence and degradability**Product:**

Biodegradability : According to OECD criteria, the product is inherently biodegradable., The statement has been derived from the properties of the individual components.
 Chemical Oxygen Demand (COD) : 18,323 mg/l , 1 % solution

gigasept® instru AF *No Change Service!*Version
05.01Revision Date:
01.02.2017Date of last issue: 11.11.2016
Date of first issue: 10.10.2007**Components:****Cocosalkylpropylendiaminbiguanidiniumdiacetat:**

Biodegradability : biodegradable, OECD 301B/ ISO 9439/ EEC 84/449 C5

Alkyl (C12-16) dimethylbenzyl ammonium chloride:

Biodegradability : Readily biodegradable., OECD 301D / EEC 84/449 C6

Ethanol:

Biodegradability : Readily biodegradable.

Tridecylpolyethylenglycolether:

Biodegradability : rapidly biodegradable, Biodegradation: > 60 %, Exposure time: 28 d, OECD 301B/ ISO 9439/ EEC 84/449 C5

Propan-2-ol:

Biodegradability : Readily biodegradable.

N-dodecylpropane-1,3-diamine:

Biodegradability : biodegradable, OECD Test Guideline 301A

12.3 Bioaccumulative potential**Components:****Cocosalkylpropylendiaminbiguanidiniumdiacetat:**

Bioaccumulation : No data available

Alkyl (C12-16) dimethylbenzyl ammonium chloride:

Bioaccumulation : Does not bioaccumulate.

Ethanol:

Bioaccumulation : Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: -0.14, calculated

Tridecylpolyethylenglycolether:

Bioaccumulation : Bioaccumulation is unlikely.

Propan-2-ol:

Bioaccumulation : No bioaccumulation is to be expected (log Pow <= 4).

Partition coefficient: n-octanol/water : log Pow: 0.05 (20 °C), OECD Test Guideline 107

N-dodecylpropane-1,3-diamine:

Bioaccumulation : Does not bioaccumulate.

12.4 Mobility in soil**Components:****Cocosalkylpropylendiaminbiguanidiniumdiacetat:**

Mobility : No data available

Alkyl (C12-16) dimethylbenzyl ammonium chloride:

Mobility : No data available

Ethanol:

Mobility : No data available

Tridecylpolyethylenglycolether:

Mobility : The product evaporates slowly., Adsorbs on soil.

Propan-2-ol:

Mobility : Mobile in soils

N-dodecylpropane-1,3-diamine:

Mobility : not determined

12.5 Results of PBT and vPvB assessment**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or

gigasept® instru AF *No Change Service!*Version
05.01Revision Date:
01.02.2017Date of last issue: 11.11.2016
Date of first issue: 10.10.2007

very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects**Product:**

Additional ecological information : none

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Product : Dispose of the product according to the defined EWC (European Waste Code) No.
Contaminated packaging : Take empty packaging to the recycling plant.
Waste key for the unused product : European waste catalog (EWC) 070601
Waste key for the unused product(Group) : Waste material of HZVA from fats, lubricants, soaps, detergents, disinfectants and personal protection products.

SECTION 14: Transport information**14.1 UN number**

ADR : UN 1903
IMDG : UN 1903
IATA : UN 1903

14.2 UN proper shipping name

ADR : DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
(Cocosalkylpropylendiaminbiguanidiniumdiacetat, Alkyl (C12-16) dimethylbenzyl ammonium chloride)
IMDG : DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
(Cocosalkylpropylendiaminbiguanidiniumdiacetat, Alkyl (C12-16) dimethylbenzyl ammonium chloride)
IATA : Disinfectant, liquid, corrosive, n.o.s.
(Cocosalkylpropylendiaminbiguanidiniumdiacetat, Alkyl (C12-16) dimethylbenzyl ammonium chloride)

14.3 Transport hazard class(es)

ADR : 8
IMDG : 8
IATA : 8

14.4 Packing group

ADR
Packing group : III
Classification Code : C9
Hazard Identification Number : 80
Labels : 8
Tunnel restriction code : E

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

schülke 

gigasept® instru AF **No Change Service!**

Version Revision Date: Date of last issue: 11.11.2016
05.01 01.02.2017 Date of first issue: 10.10.2007

IMDG

Packing group : III
Labels : 8
EmS Code : F-A, S-B

IATA

Packing instruction (cargo : 856
aircraft)
Packing group : III
Labels : Corrosive

14.5 Environmental hazards

ADR

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

14.6 Special precautions for user

Not classified as supporting combustion according to the transport regulations.
For personal protection see section 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High : Not applicable
Concern for Authorisation (Article 59).

Regulation (EC) No 850/2004 on persistent organic pol- : Not applicable
lutants

Seveso III: Directive : ENVIRONMENTAL HAZARDS
2012/18/EU of the European
Parliament and of the Council
on the control of major-
accident hazards involving
dangerous substances.

Volatile organic compounds : Volatile organic compounds (VOC) content: 10 %, Directive
2010/75/EC on the limitation of emissions of volatile organic
compounds

Other regulations : The surfactant(s) contained in this mixture complies(comply)
with the biodegradability criteria as laid down in Regulation
(EC) No.648/2004 on detergents. Data to support this asser-
tion 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.
Take note of Directive 98/24/EC on the protection of the
health and safety of workers from the risks related to chemical
agents at work. Take note of Directive 2000/39/EC establishing

gigasept® instru AF **No Change Service!**Version
05.01Revision Date:
01.02.2017Date of last issue: 11.11.2016
Date of first issue: 10.10.2007

a first list of indicative occupational exposure limit values.

15.2 Chemical safety assessment

Exempt

SECTION 16: Other information**Full text of H-Statements**

| | |
|------|---|
| H225 | : Highly flammable liquid and vapour. |
| H301 | : Toxic if swallowed. |
| H302 | : Harmful if swallowed. |
| H312 | : Harmful in contact with skin. |
| H314 | : Causes severe skin burns and eye damage. |
| H318 | : Causes serious eye damage. |
| H319 | : Causes serious eye irritation. |
| H336 | : May cause drowsiness or dizziness. |
| H372 | : Causes damage to organs through prolonged or repeated exposure if swallowed. |
| H373 | : May cause damage to organs through prolonged or repeated exposure if swallowed. |
| H400 | : Very toxic to aquatic life. |
| H410 | : Very toxic to aquatic life with long lasting effects. |
| H412 | : Harmful to aquatic life with long lasting effects. |

Full text of other abbreviations

| | |
|-----------------|--|
| Acute Tox. | : Acute toxicity |
| Aquatic Acute | : Acute aquatic toxicity |
| Aquatic Chronic | : Chronic aquatic toxicity |
| Eye Dam. | : Serious eye damage |
| Eye Irrit. | : Eye irritation |
| Flam. Liq. | : Flammable liquids |
| Skin Corr. | : Skin corrosion |
| STOT RE | : Specific target organ toxicity - repeated exposure |
| STOT SE | : Specific target organ toxicity - single exposure |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



gigasept® instru AF ***No Change Service!***

Version
05.01

Revision Date:
01.02.2017

Date of last issue: 11.11.2016
Date of first issue: 10.10.2007

Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008

| | |
|-------------------------|----------------------|
| Acute Tox. 4, H302 | : Calculation method |
| Skin Corr. 1B, H314 | : Calculation method |
| Eye Dam. 1, H318 | : Calculation method |
| STOT RE 2, H373 | : Calculation method |
| Aquatic Acute 1, H400 | : Calculation method |
| Aquatic Chronic 2, H411 | : Calculation method |

Changes compared with the previous edition!!!

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.