

SAFETY DATA SHEET

according to the United Nations GHS (Rev. 7, 2017)

schülke -†

gigasept® GTA

Version
1.0

Revision date
14/10/2021

Date of last issue: 14/12/2020
Date of First issue: 14/12/2020

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : **gigasept® GTA**
Type of product : Instrument disinfectant liquid

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : For professional use only.
High Level Instrument Disinfectant Broad-Spectrum Antimicrobial.

1.4. Supplier's details

Supplier

Schulke India Private Limited

Delphi, A - Wing, Office No. 603,
Orchard Avenue, Hiranandani Business Park, Powai, Mumbai - 400 076,
State - Maharashtra, India.
Tel. No.: +91 22 6173 6600/ 6620
Fax No.: +91 22 6173 6650
www.schuelke.com/in-en/

Email: customercare.india@schuelke.com

1.5. Emergency phone number

Emergency number : +91 22 6173 6600

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Acute toxicity (inhalation:dust,mist) Category 4	H332	Calculation method
Skin corrosion/irritation, Category 2	H315	Calculation method
Serious eye damage/eye irritation, Category 2	H319	Calculation method
Respiratory sensitisation, Category 1	H334	Calculation method
Skin sensitisation, Category 1	H317	Calculation method
Carcinogenicity, Category 2	H351	Calculation method
Reproductive toxicity, Category 2	H361	Calculation method
Hazardous to the aquatic environment — Acute Hazard, Category 3	H402	Calculation method
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412	Calculation method

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects : Suspected of causing cancer,Suspected of damaging fertility or the unborn child,Harmful if inhaled,Causes skin irritation,May cause an allergic skin reaction,Causes serious eye irritation,May cause allergy or asthma symptoms or breathing difficulties if inhaled,Harmful to aquatic life,Harmful to aquatic life with long lasting effects.

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN) :



Signal word (GHS UN) :

Danger

Hazardous ingredients :

Butylated hydroxyanisole; Glutaraldehyde

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Hazard statements (GHS UN)	: H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H332 - Harmful if inhaled H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled H351 - Suspected of causing cancer (oral) H361 - Suspected of damaging fertility or the unborn child (oral) H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (GHS UN)	: P101 - If medical advice is needed, have product container or label at hand. P201 - Obtain special instructions before use. P261 - Avoid breathing vapours, spray, mist. P264 - Wash hands thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves, eye protection, face protection. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical attention. P342+P311 - If experiencing respiratory symptoms: Call a doctor. P362+P364 - Take off contaminated clothing and wash it before reuse.. P405 - Store locked up. P501 - Dispose of contents and container to an approved waste disposal plant.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Butylated hydroxyanisole	(CAS-No.) 25013-16-5	3 – 7	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 Repr. 2, H361 Aquatic Chronic 2, H411
Glutaraldehyde*	(CAS-No.) 111-30-8	1 – 5	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1B, H314 Resp. Sens. 1, H334 Skin Sens. 1A, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

Note: * Comply India Pharmacopeia (I.P.) monograph

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: If skin irritation or rash occurs: Wash hands with water and soap. Discontinue use and obtain medical attention if irritation develops and persists.
First-aid measures after eye contact	: 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.

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First-aid measures after ingestion : If swallowed: rinse mouth. Do NOT induce vomiting. If you feel unwell, seek medical advice.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects : Suspected of damaging fertility or the unborn child (oral). Suspected of causing cancer (oral).

Symptoms/effects after inhalation : May cause an allergic skin reaction. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : Causes serious eye irritation.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : This product is not flammable. Use extinguishing agent suitable for type of surrounding fire.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : No fire hazard.

Explosion hazard : Not expected under normal conditions of use.

Hazardous decomposition products in case of fire : Toxic and corrosive vapours may be released.

5.3. Special protective actions for fire-fighters

Firefighting instructions : Cool closed containers exposed to fire with water spray. Prevent fire fighting water from entering the environment.

Protective equipment for firefighters : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate area. Evacuate and limit access.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Recover small spills with a suitable absorbent, like diatomaceous earth. Contain large spills to maximize product recovery or disposal. Collect spillage.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes, skin, or clothing. Avoid breathing vapours, spray, mist. Wash hands thoroughly after handling. Obtain special instructions before use.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace.

Additional hazards when processed : No additional information available.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources, Ignition sources. Keep container closed when not in use. Store locked up.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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schülke -t

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8.2. Appropriate engineering controls

- Appropriate engineering controls : Engineering controls are not usually necessary if good hygiene practices are followed. Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.
- Other information : Do not eat, drink or smoke during use.

8.3. Individual protection measures, such as personal protective equipment (PPE)

- Hand protection : In case of repeated or prolonged contact (industrial environment), wear gloves; Chemical resistant gloves (according to European standard EN 374 or equivalent). PVC, nitrile rubber Or butyl rubber gloves are recommended with breakthrough time of approx. 240 minutes according to EN 374 (0.35 mm thickness); changing gloves after 180 minutes is recommended.
- Eye protection : Avoid contact with eyes. In case of repeated or prolonged contact (industrial environment) wear approved safety goggles. Chemical goggles should be consistent with EN166 or equivalent.
- Skin and body protection : If repeated skin contact or contamination of clothing is likely (industrial environment), protective clothing should be worn. Chemical resistant protective apron / clothing (tested to EN 14605 or equivalent).
- Respiratory protection : In case of repeated or prolonged exposure (industrial environment), work in well-ventilated zones or use proper respiratory protection. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Personal protective equipment symbol(s)



8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

- Physical state : Liquid
- Appearance : Clear Liquid
- Colour : Colourless.
- Odour : Not determined for this product
- Odour threshold : Not determined for this product
- Melting point : Not applicable
- Freezing point : Not determined for this product
- Boiling point : ~98 degree
- Flammability (solid, gas) : Non flammable.
- Explosive limits : Not determined for this product
- Lower explosive limit (LEL) : Not determined for this product
- Upper explosive limit (UEL) : Not determined for this product
- Flash point : Not determined for this product
- Auto-ignition temperature : Not determined for this product
- Decomposition temperature : Not determined for this product
- pH : 3.7 – 4.5
- pH solution : Not determined for this product
- Viscosity, kinematic (calculated value) (40 °C) : Not determined for this product
- Partition coefficient n-octanol/water (Log Kow) : Not determined for this product
- Vapour pressure : Not determined for this product
- Vapour pressure at 50 °C : Not determined for this product

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schülke **gigasept® GTA**

Version

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Density	: Not determined for this product
Relative density	: Not determined for this product
Relative vapour density at 20 °C	: Not determined for this product
Solubility	: Not determined for this product
Explosive properties	: Not explosive
Oxidising properties	: Not an oxidizer

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Harmful if inhaled.

ATE UN (dust,mist)	2.041 mg/l/4h
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Glutaraldehyde (111-30-8)	
LD50 oral rat	252 mg/kg
LD50 dermal rabbit	1800 mg/kg
LC50 Inhalation - Rat [ppm]	23.5 ppm/4h
ATE UN (oral)	252 mg/kg bodyweight
ATE UN (dermal)	1800 mg/kg bodyweight
ATE UN (gases)	23.5 ppmv/4h
ATE UN (dust,mist)	0.05 mg/l/4h
Butylated hydroxyanisole (25013-16-5)	
LD50 oral rat	2 g/kg
ATE UN (oral)	2000 mg/kg bodyweight

Skin corrosion/irritation	: Causes skin irritation. pH: 3.7 – 4.5
Serious eye damage/irritation	: Causes serious eye irritation. pH: 3.7 – 4.5
Respiratory or skin sensitisation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

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Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Suspected of causing cancer (oral).
Reproductive toxicity	: Suspected of damaging fertility or the unborn child (oral).
STOT-single exposure	: Not classified Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met

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

Ecology - general	: Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Ecology - water	: Harmful to aquatic life. Harmful to aquatic life with long lasting effects
Hazardous to the aquatic environment, short-term (acute)	: Harmful to aquatic life.
Classification procedure (Hazardous to the aquatic environment, short-term (acute))	: Calculation method
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.
Classification procedure (Hazardous to the aquatic environment, long-term (chronic))	: Calculation method

Glutaraldehyde (111-30-8)

LC50 fish 1	7.8 – 22 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 fish 2	2.6 – 4.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 Daphnia 1	14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Daphnia 2	0.56 – 1 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 72h algae (1)	0.61 mg/l (Species: Desmodesmus subspicatus)
EC50 96h algae (1)	0.84 mg/l (Species: Desmodesmus subspicatus)

12.2. Persistence and degradability**gigasept® GTA**

Persistence and degradability	May cause long-term adverse effects in the environment.
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12.3. Bioaccumulative potential**gigasept® GTA**

Bioaccumulative potential	Not established.
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Glutaraldehyde (111-30-8)

Partition coefficient n-octanol/water (Log Kow)	0.22 (at 25 °C)
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12.4. Mobility in soil**gigasept® GTA**

Mobility in soil	No additional information available
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12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available
Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an approved waste disposal plant.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

UN RTDG	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

14.6. Special precautions for user

- UN RTDG
Transport regulations (UN) : Not regulated for transport
- IMDG
Transport regulations (IMDG) : Not regulated for transport
- IATA
Transport regulations (IATA) : Not regulated for transport

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

Issue date : 05/10/2020
Other information : As per Supplier information. GHS classification information. ECHA (European Chemicals Agency). CLP Inventory.

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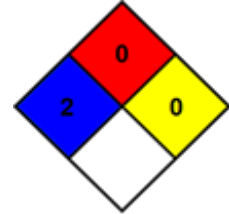
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- NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
- NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.
- NFPA specific hazard : -



Full text of H-statements:	
H227	Combustible liquid
H301	Toxic if swallowed
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H330	Fatal if inhaled
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

SDS UN

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.