

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

schülke 

gigasept PAA concentrate base

No Change Service!

Version 01.02

Revision Date 10.03.2010

Print Date 10.03.2010

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : gigasept PAA concentrate base
Supplier : Schülke & Mayr GmbH
Robert-Koch-Str. 2
22851 Norderstedt
Germany
Telephone: +4940521000
Telefax: +494052100318
mail@schuelke.com
www.schuelke.com

Producer : BIOXAL SA - AIR LIQUIDE Group
Route des Varennes - BP 72

71103 Chalon-sur-Saône Cedex
France
Telephone: + 33 (0) 3 85 92 30 00
Telefax: + 33 (0) 3 85 92 30 12

Emergency telephone : Emergency telephone number BIOXAL: + 33 (0) 3 85 92 30 30
Emergency telephone : Emergency telephone number ORFILA: + 33 (0) 1 45 42 59 59
Contact person : Application Department HI
+49 (0)40/ 521 00 544 (S&M UK +44 114 254 3500)
pab@schuelke.com

Emergency telephone : +49 (0)40 / 52 100 -0

Application : Disinfectants, Only for professional use in industry and commerce.

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

ICAO-Labels / Indication of danger:

O Oxidising
C Corrosive
R 8 Contact with combustible material may cause fire.
R22 Harmful if swallowed.
R34 Causes burns.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Components	CAS-No.	EC-No.	Symbol	R-phrase(s)	Concentration
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Peracetic acid	79-21-0	201-186-8	O, C, N	R 7, R10, R20/21/22, R35, R50	5 %
Hydrogen peroxide	7722-84-1	231-765-0	C, O	R 5, R 8, R20/22, R35	10 - 20 %
Acetic acid	64-19-7	200-580-7	C	R10, R35	10 - 20 %

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

- General advice : Take off all contaminated clothing immediately. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 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. Call a physician immediately.
- Skin contact : Wash off immediately with plenty of water. Call a physician immediately.
- Inhalation : Move the victim to fresh air and keep him calm. If symptoms persist, call a physician.
- Ingestion : Do NOT induce vomiting. Rinse mouth with water. Give small amounts of water to drink. Call a physician immediately.

5. FIRE-FIGHTING MEASURES

- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
- Suitable extinguishing media : Water spray jet, Foam, Dry powder
- Extinguishing media which shall not be used for safety reasons : Carbon dioxide (CO₂), High volume water jet
- Further information : Cool closed containers exposed to fire with water spray.
- Specific risk from the substance or the product itself, its combustion products or evolved gases : Fire may cause evolution of: Oxygen

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Ensure adequate ventilation. Remove all sources of ignition.
- Environmental precautions : Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.
- Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece). Unsuitable material for picking up: Absorbent material, organic. Kieselguhr Sawdust Keep in suitable, closed containers for disposal. Clean contaminated surface thoroughly. Flush with water.

7. HANDLING AND STORAGE

Handling

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- Safe handling advice : Provide sufficient air exchange and/or exhaust in work rooms. Handle and open container with care. Never return unused material to storage receptacle.
- Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking. Keep away from combustible material. May cause or intensify fire; oxidiser.

Storage

- Requirements for storage areas and containers : Keep only in the original container.
Suitable container and packaging materials for safe storage
Plastic container of HDPE
Polyethylene
glass
Unsuitable materials for containers
Metals
Store in a receptacle equipped with a vent.
Keep in a bunded area.
- Further information : Keep away from heat. Keep away from direct sunlight. Store in cool place. Do not keep the container sealed. Recommended storage temperature: 15 - 30°C
- Advice on common storage : Do not store together with metals. Do not store together with alkalis. Do not store together with reducing agents. Do not store together with combustible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Additional technical information on the plant : Ensure that eyewash stations and safety showers are close to the workstation location.

Components with workplace control parameters

Components	CAS-No.	Value	Basis
Hydrogen peroxide	7722-84-1	WEL: 1,4 mg/m3 WEL: 1 ppm	HSE
Hydrogen peroxide	7722-84-1	WEL: 2,8 mg/m3 WEL: 2 ppm	HSE
Acetic acid	64-19-7	Permissible exposure limit: 25 mg/m3 Permissible exposure limit: 10 ppm	OSHA
Acetic acid	64-19-7	Permissible exposure limit: 25 mg/m3 Permissible exposure limit: 10 ppm	EC/2000/39

Personal protective equipment

- Respiratory protection : If the occupational exposure limits cannot be met, in exceptional cases suitable respiratory equipment should be worn only for a short period of time. Combination filter: A2B2E2K1P2
- Hand protection : Prolonged contact: Nitrile rubber gloves e.g. Camatril (>120 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.
Splash protection: disposable nitrile rubber gloves e.g. Dermatril (Layer thickness: 0,11 mm) made by KCL or gloves

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	from other manufacturers offering the same protection.
Eye protection	: Tightly fitting safety goggles, Face-shield
Skin and body protection	: Choose body protection according to the amount and concentration of the dangerous substance at the work place., Wear as appropriate:, Chemical resistant apron, Boots, Neoprene
Hygiene measures	: When using do not eat or drink. Take off all contaminated clothing immediately.
Protective measures	: Do not breathe vapour. Avoid contact with skin and eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	: liquid
Colour	: colourless
Odour	: pungent

Other data

Melting point/range	: ca. < -33 °C
Boiling point/boiling range	: ca. 105 °C
Flash point	: not applicable
Autoignition temperature	: not applicable
Lower explosion limit	: Explosive properties, Not explosive
Vapour pressure	: 21 hPa at ca.20 °C
Density	: 1,1 g/cm ³ at 20 °C
Water solubility	: completely soluble
pH	: ca.0,8 at 1.000 g/l (20 °C)

10. STABILITY AND REACTIVITY

Thermal decomposition	: Self-Accelerating decomposition temperature (SADT) > 60 °C To avoid thermal decomposition, do not overheat.
Materials to avoid	: Strong acids and strong bases, Reducing agents, Acid chlorides, Aldehydes, Metals
Hazardous reactions	: Stable up to 30°C
Hazardous decomposition products	: Oxygen

11. TOXICOLOGICAL INFORMATION

Further information	: The product has not been tested. The classification was made
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according to the calculation procedure of the Preparations Directive. Description of possible hazardous to health effects is based on experience and/or toxicological characteristics of several components. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

12. ECOLOGICAL INFORMATION

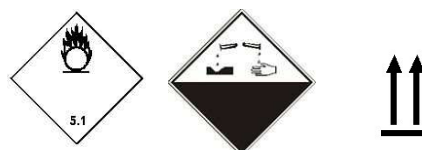
- Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
- Further information : The product has not been tested. Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.

13. DISPOSAL CONSIDERATIONS

- Product : Dispose of the product according to the defined EWC (European Waste Code) No. Dispose of as hazardous waste in compliance with local and national regulations.
- Contaminated packaging : Take empty packaging to the recycling plant.
- Waste key for the unused product : EWC 160903
- Waste key for the unused product(Group) : peroxides, e.g. hydrogen peroxide

14. TRANSPORT INFORMATION

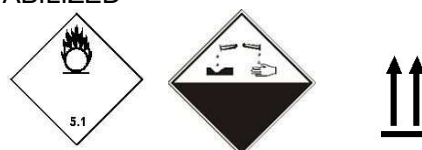
ADR : UN-Number 3149



Class 5.1
Classification Code OC1
Packaging group II
ADR/RID-Labels 5.1 + 8 + 11
ICAO-Labels 58
Description of the goods

HYDROGEN PEROXIDE AND
PEROXYACETIC ACID MIXTURE,
STABILIZED

IMDG : UN-Number 3149



Class 5.1

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EmS	F-H, S-Q
Packaging group	II
Marine pollutant	--
Description of the goods	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED
IATA : UN-Number	3149
	  
Class	5.1
Packaging group	II
Description of the goods	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED

15. REGULATORY INFORMATION

Hazardous components:

- Peracetic acid
- Hydrogen peroxide

General advice : In the EU, this product falls under the Directive medical devices 93/42/EEC. The product is classified and labelled in accordance with EC directives or respective national laws.

Symbol :



O
Oxidising



C
Corrosive

R-phrases : R 8 Contact with combustible material may cause fire.
R22 Harmful if swallowed.
R34 Causes burns.

S-phrases : S 3/7 Keep container tightly closed in a cool place.
S14 Keep away strong acids, alkalis, heavy metals and reducing agents.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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

National legislation

Legislation on the control of : The product belongs to at least one of the categories 1 through

major-accident hazards
involving dangerous
substances

11 mentioned in Annex 1 of the Directive 1996/82/EC
concerning the control of major accident hazards.

16. OTHER INFORMATION

Text of R-phrases mentioned in Section 3

R 5	Heating may cause an explosion.
R 7	May cause fire.
R 8	Contact with combustible material may cause fire.
R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R20/22	Harmful by inhalation and if swallowed.
R35	Causes severe burns.
R50	Very toxic to aquatic organisms.

The information given is only of use for possible safety requirements and is based on our actual knowledge. This information does not guarantee any properties. It is the responsibility of the receiver / user of our products to follow existing laws and regulations.

Changes compared with the previous edition!!!

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according to Regulation (EC) No. 1907/2006

gigasept PAA concentrate additive

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Version 01.01

Revision Date 10.03.2010

Print Date 10.03.2010

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : gigasept PAA concentrate additive
Supplier : Schülke & Mayr GmbH
Robert-Koch-Str. 2
22851 Norderstedt
Germany
Telephone: +4940521000
Telefax: +494052100318
mail@schuelke.com
www.schuelke.com

Manufacturer/ Supplier : BIOXAL SA - AIR LIQUIDE Group
Route des Varennes - BP 72

71103 Chalon-sur-Saône Cedex
France
Telephone: + 33 (0) 3 85 92 30 00
Telefax: + 33 (0) 3 85 92 30 12

Emergency telephone : Emergency telephone number BIOXAL: + 33 (0) 3 85 92 30 30
Emergency telephone : Emergency telephone number ORFILA: + 33 (0) 1 45 42 59 59
Contact person : Application Department HI
+49 (0)40/ 521 00 544 (S&M UK +44 114 254 3500)
pab@schuelke.com

Emergency telephone : +49 (0)40 / 52 100 -0

Application : Additive, Only for professional use in industry and commerce.

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

ICAO-Labels / Indication of danger:

C Corrosive
R35 Causes severe burns.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Components	CAS-No.	EC-No.	Symbol	R-phrase(s)	Concentration
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Potassium hydroxide	1310-58-3	215-181-3	C	R22, R35	5 - 15 %
Benzotriazole	95-14-7	202-394-1	Xn	R22	1 - 5 %

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

- General advice : Take off all contaminated clothing immediately.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Protect unharmed eye. Obtain medical attention.
- Skin contact : Wash off immediately with plenty of water for at least 15 minutes.
- Inhalation : Move the victim to fresh air and keep him calm.
- Ingestion : **Do NOT induce vomiting. Rinse mouth with water. Give small amounts of water to drink.** Obtain medical attention.

5. FIRE-FIGHTING MEASURES

- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
- Suitable extinguishing media : Water spray jet, Dry powder, Foam, Carbon dioxide (CO₂)
- Extinguishing media which shall not be used for safety reasons : High volume water jet
- Further information : Cool closed containers exposed to fire with water spray.
- Specific risk from the substance or the product itself, its combustion products or evolved gases : Fire may cause evolution of: Carbon monoxide, Carbon dioxide (CO₂)

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Increased risk of slipping in the presence of leaked / spilled product.
- Environmental precautions : Avoid subsoil penetration.
- 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). Neutralize with hydrochloric or sulphuric acids. Clean contaminated surface thoroughly. Flush with water.

7. HANDLING AND STORAGE

Handling

- Safe handling advice : Handle and open container with care. Never return unused material to storage receptacle.
- Advice on protection against fire and explosion : No special protective measures against fire required.

Storage

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- Requirements for storage areas and containers : Store at room temperature in the original container.
- Further information : Keep away from heat. Keep away from direct sunlight. Keep container tightly closed. Recommended storage temperature: 5 - 30°C
- Advice on common storage : Keep away from food and drink. Do not store near acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Additional technical information on the plant : Ensure that eyewash stations and safety showers are close to the workstation location.

Components with workplace control parameters

none

Personal protective equipment

- Hand protection : 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.
- Eye protection : Tightly fitting safety goggles, Face-shield
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place., Wear as appropriate:, Chemical resistant apron, Boots
- Hygiene measures : Keep away from food and drink. Take off all contaminated clothing immediately.
- Protective measures : Avoid contact with skin and eyes. When using do not eat or drink.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

- Form : liquid
- Colour : yellow
- Odour : odourless

Other data

- solidification range : < -5 °C
- Initial boiling point : ca. 100 °C
- Flash point : not applicable
- Vapour pressure : 23 hPa at 20 °C
- Density : ca.1,2 g/cm³ at 20 °C

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Water solubility : at 20 °C
in all proportions

pH : > 13 at 1.000 g/l

10. STABILITY AND REACTIVITY

Thermal decomposition : To avoid thermal decomposition, do not overheat.

Hazardous reactions : reaction with acids. Gives off hydrogen by reaction with metals.
Possible incompatibility with alkali sensitive materials.

Hazardous decomposition products : In the event of fire, the breakdown reaction causes the emission of carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Further information : The product has not been tested. The classification was made according to the calculation procedure of the Preparations Directive.

12. ECOLOGICAL INFORMATION

Further information : The product has not been tested. Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.

13. DISPOSAL CONSIDERATIONS

Product : Dispose of the product according to the defined EWC (European Waste Code) No. Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging : Take empty packaging to the recycling plant.

Waste key for the unused product : EWC 070601

Waste key for the unused product(Group) : Waste material of HZVA from fats, lubricants, soaps, detergents, disinfectants and personal protection products.

14. TRANSPORT INFORMATION

ADR : UN-Number 1814




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IMDG	Class	8	POTASSIUM HYDROXIDE, SOLUTION
	Classification Code	C5	
	Packaging group	II	
	ADR/RID-Labels	8	
	ICAO-Labels	80	
	Description of the goods		
:	UN-Number	1814	
IATA	Class	8	POTASSIUM HYDROXIDE SOLUTION
	EmS	F-A, S-B	
	Packaging group	II	
	Marine pollutant	--	
	Description of the goods		
	:	UN-Number	
	Class	8	POTASSIUM HYDROXIDE, SOLUTION
	Packaging group	II	
	Description of the goods		

15. REGULATORY INFORMATION

Hazardous components:

- Potassium hydroxide

General advice : The product is classified and labelled in accordance with EC directives or respective national laws.

Symbol :



C

Corrosive

R-phrase(s) : R35 Causes severe burns.

S-phrase(s) : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28 After contact with skin, wash immediately with plenty of water.
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Special labelling of certain mixtures : Labelling according to Regulation (EC) No. 648/2004: < 5 % phosphates

National legislation

Legislation on the control of : Directive 96/82/EC does not apply

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major-accident hazards
involving dangerous
substances

16. OTHER INFORMATION

|| Application : Information on uses can be found in a separate preparation /
product brochure.

Text of R-phrases mentioned in Section 3

R22 Harmful if swallowed.
R35 Causes severe burns.

The information given is only of use for possible safety requirements and is based on our actual knowledge. This information does not guarantee any properties. It is the responsibility of the receiver / user of our products to follow existing laws and regulations.

|| Changes compared with the previous edition!!!