

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

GIGASEPT No Change Service!

Version 02.07

Revision Date 18.05.2010

Print Date 23.08.2010

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

Product information

Trade name : GIGASEPT
Producer/Supplier : Schülke & Mayr GmbH
Robert-Koch-Str. 2
22851 Norderstedt
Germany
Telephone: +4940521000
Telefax: +494052100318
mail@schuelke.com
www.schuelke.com

Contact person : Application Department HI
+49 (0)40/ 521 00 544 (Schülke UK +44 114 254 3500)
pab@schuelke.com

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

Application : Disinfectants

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

ICAO-Labels / Indication of danger:

Xn Harmful
R10 Flammable.
R36/37/38 Irritating to eyes, respiratory system and skin.
R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation,
in contact with skin and if swallowed.
R40 Limited evidence of a carcinogenic effect.
R43 May cause sensitization by skin contact.

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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SAFETY DATA SHEET

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Formaldehyde	50-00-0	200-001-8	T, Carc.Ca t.3	R23/24/25, R34, R40, R43	4,5 %
Dimethoxytetrahydr ofurane	696-59-3	211-797-1	Xn	R10, R20, R36	4,5 %
Succindialdehyde	638-37-9	211-333-8	T	R25, R36/37	6,8 %
Methanol	67-56-1	200-659-6	F, T	R11, R23/24/25, R39/23/24/ 25	3 - 8 %
Ethanol	64-17-5	200-578-6	F	R11	25 - 45 %
Alcohols, ethoxylated, sulfosuccinates, disodium salts	68815-56-5	Polymer	Xi	R41, R52	< 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 : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin contact : Wash off immediately with plenty of water.
Inhalation : Move to fresh air.
Ingestion : Obtain medical attention.

5. FIRE-FIGHTING MEASURES

- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
Suitable extinguishing media : Water, Dry powder, Foam, Carbon dioxide (CO₂)
Extinguishing media which shall not be used for safety reasons : No information available.
Specific risk from the substance or the product itself, its combustion products or evolved gases : No special risks to be expected.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Ensure adequate ventilation. Remove all sources of ignition.
Environmental precautions : Do not flush into surface water or sanitary sewer system. 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).

7. HANDLING AND STORAGE**Handling**

Safe handling advice : Avoid formation of aerosol. Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion : The hot product gives off combustible vapours.

Storage

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 at temperature not exceeding 25 °C. Keep container tightly closed.

Advice on common storage : Keep away from food and drink.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value	Basis
Ethanol	64-17-5	Permissible exposure limit: 960 mg/m ³ Permissible exposure limit: 500 ppm	TRGS 900
Ethanol	64-17-5	Ceiling Limit Value: 1.920 mg/m ³ Ceiling Limit Value: 1.000 ppm	TRGS 900
Ethanol	64-17-5	Permissible exposure limit: 1.900 mg/m ³ Permissible exposure limit: 1.000 ppm	OSHA
Methanol	67-56-1	Permissible exposure limit: 260 mg/m ³ Permissible exposure limit: 200 ppm	EC/2000/39
Formaldehyde	50-00-0	Permissible exposure limit: 0,37 mg/m ³ Permissible exposure limit: 0,3 ppm	DFG
Formaldehyde	50-00-0	Ceiling Limit Value: 0,74 mg/m ³ Ceiling Limit Value: 0,6 ppm	DFG
Formaldehyde	50-00-0	Permissible exposure limit: 0,75 ppm	OSHA
Formaldehyde	50-00-0	Short term exposure limit: 2 ppm	OSHA

Personal protective equipment

Hand protection : Prolonged contact: Nitrile rubber gloves e.g. Camatril (>120 Min.) or butyl rubber gloves e.g. Butoject (>480 Min.) made by KCL or gloves from other manufacturers offering the same

SAFETY DATA SHEET

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GIGASEPT **No Change Service!**

Version 02.07

Revision Date 18.05.2010

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protection.

Eye protection : Safety glasses
Hygiene measures : Keep away from food and drink.
Protective measures : Avoid contact with skin and eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid
Colour : blue
Odour : stinging

Other data

solidification range : < -5 °C
Initial boiling point : ca. 80 °C
Flash point : 27,5 °C
Method: DIN 51755 Part 1
Vapour pressure : ca.45 hPa at 20 °C
Density : ca.0,97 g/cm³ at 20 °C
Water solubility : at 20 °C
in all proportions
pH : ca.7 at 30 g/l (20 °C)
flow time : < 15 s at 20 °C
Method: DIN 53211

10. STABILITY AND REACTIVITY

Hazardous reactions : None reasonably foreseeable.
Hazardous decomposition products : None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat 20100 mg/kg
Acute toxicity (other routes of administration) : LD50 intravenous rat 5.640 mg/kg
Test substance: 10% solution
Skin irritation : Irritating to skin.
Test substance: 10% solution
Eye irritation : Irritating to eyes.
Test substance: concentrate
Test substance: concentrate

SAFETY DATA SHEET

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Version 02.07

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Further information : The classification was made according to the calculation procedure of the Preparations Directive.

12. ECOLOGICAL INFORMATION

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

Toxicity to bacteria : EC50 525 mg/l
Method: OECD 209

Chemical Oxygen Demand (COD) : 30000 mg/l
Test substance: 3% solution

Further information : 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 assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. 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.

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 1987



Class 3
Classification Code F1
Packaging group III
ADR/RID-Labels 3
ICAO-Labels 30
Description of the goods ALCOHOLS, N.O.S. (Ethanol, Methanol)

SAFETY DATA SHEET


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IMDG : UN-Number 1987 

Class 3
EmS F-E, S-D
Packaging group III
Marine pollutant --
Description of the goods ALCOHOLS, N.O.S. (Ethanol, Methanol)

IATA : UN-Number 1987 


Class 3
Packaging group III
Description of the goods ALCOHOLS, N.O.S. (Ethanol, Methanol)

15. REGULATORY INFORMATION

Hazardous components:

- Formaldehyde
- Methanol

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 : 

Xn
Harmful

R-phrase(s) : R10 Flammable.
R36/37/38 Irritating to eyes, respiratory system and skin.
R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
R40 Limited evidence of a carcinogenic effect.
R43 May cause sensitization by skin contact.

S-phrase(s) : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37 Wear suitable protective clothing and gloves.

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

National legislation

SAFETY DATA SHEET

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Version 02.07

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- Legislation on the control of major-accident hazards involving dangerous substances : The product belongs to at least one of the categories 1 through 11 mentioned in Annex 1 of the Directive 1996/82/EC concerning the control of major accident hazards.
- Volatile organic compounds (VOC) content : 35 %
Directive 1999/13/EC on the limitation of emissions of volatile organic compounds
- Other regulations : Take note of Dir 94/33/EC on the protection of young people at work., Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

16. OTHER INFORMATION

Text of R-phrases mentioned in Section 3

R10	Flammable.
R11	Highly flammable.
R20	Harmful by inhalation.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R25	Toxic if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R36/37	Irritating to eyes and respiratory system.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R40	Limited evidence of a carcinogenic effect.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R52	Harmful 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!!!