

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Cleaning Solution Concentrate

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Trade name: Cleaning Solution

Supplier: LABiTec
 LAbor BioMedical Technologies GmbH
 An der Strusbek 6, D-22926 Ahrensburg
 Tel.: + 49 (0)4102 - 4795 - 0 / Fax: 04102 - 4795 - 35

Application: Disinfectants, Biocidal product, Biocidal product type: 2

2. COMPASITION / INFORMATION ON INGREDIENTS

Chemical : (Preparation)
 nature

Description : Solution of the following substances with harmless additives.

Components	CAS-No.	EC-No.	Symbol	R-Phrases	Concentration
Benzyl-C12-18-alkyldimethylammonium, chlorides	68391-01-5	269-919-4	C, N	R21, R22, R34, R50	22%
2-Phenoxyethanol	122-99-6	204-589-7	Xn	R22, R36	10 - 20%
Tridecylpolyethylenglycolether	69011-36-5		Xi	R41	5 - 15%
Propanol-2-ol	67-63-0	200-661-7	F, Xi	R11, R36, R67	3 - 8%

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

3. HARAZRD IDENTIFICATION

Risk advice to men and the environment

ICAO-Labels / Indication of danger:

C Corrosive
 R 22 Harmful if swallowed
 R 34 Causes burns

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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 for at least 15 minutes.
Inhalation:	Move the victim to fresh air and keep him calm. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician
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:	No special precautions required.
Suitable extinguishing media:	Water, dry powder, foam, carbon dioxide (CO ₂)
Extinguishing media which must 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 risk to be expected

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Increased risk of slipping in the presence of leaked / spilled product.
Environmental precautions:	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
Methods of 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).

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7. HANDLING AND STORAGE

Handling:

Safe handling advice: Prepare the working solution as given on the labels(s) and/or the user instructions. Avoid exceeding of the given occupational exposure limits (see section 8). Wear personal protective equipment. Avoid formation of aerosol.

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 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
Propan-2-ol	67-63-0	AGW: 500 mg/m ³ AGW: 200 ppm	TRGS 900
2-Phenoxyethanol	122-99-6	AGW: 110 mg/m ³ AGW 20 ppm	TRGS 900

Personal protective equipment:

Respiratory protection: It the occupational exposure limits cannot be met in exceptional cases suitable respiratory equipment should be worn only for a short period of time. Respiratory protection complying with EN 141. Recommended Filter Type: A

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Hand protection:	Splash protection: disposable nitrile rubber gloves e.g. Dermatril (Layer thickness: 0,11mm) made by KCL or gloves from other manufacturers offering the same protection. Prolonged contact: Nitrile rubber gloves e.g. Camatril (>480 Min., layer thickness: 0,40mm) or butyl rubber gloves e.g. Butoject (>480 Min., layer thickness: 0,70mm) made by KCL or gloves from other manufacturers offering the same protection.
Eye protection:	Tightly fitting safety goggles.
Hygiene measures:	Keep away from food and drink.
Protective measures:	Avoid contact with skin and eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Liquid
Color:	Green
Odour:	Pleasant

Other data:

Solidification range:	< - 5 C
Initial boiling point:	Ca. +90°C
Flash point:	+51°C Method: DIN 51755 Part 1
Flammability:	Does not sustain combustion.
Density:	Ca. 1,0 g/cm ³ at 20°C
Water solubility:	at 20°C, in all proportions
pH:	Ca. 8,6 at 1.000 g/l (20°C)
Viscosity, dynamic:	Ca. 21 mPa.* s at 20°C: Method: ISO 3219

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10. STABILITY AND REACTIVITY

Hazardous reactions: None reasonably foreseeable.

Hazardous decomposition products: None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Further information: No data is available on the product itself. 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 daphnia: EC50 Daphnia magna (Water flea) 0,18 mg/l
Testing period: 48h
Method: OECD Test Guideline 202
GLP: yes
Analytical monitoring: yes

Chemical Oxygen Demand (COD): Ca. 13640 mg/l
Test substance: 1% solution

Further information: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in regulation (EC) No. 648/2004 of 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 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 070699




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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-No.	1903	
	Class	8	
	Classification Code	C9	
	Packaging group	III	
	ADR/RID Labels	8 + 11	
	ICAO Labels	80	
	Description of the goods	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Benzyl-C12-18-alkyldimethylammonium, chlorides)	
IMDG	UN-No.	1903	
	Class	8	
	EmS	F-A, S-B	
	Packaging group	III	
	Marine pollutant	-	
	Description of the goods	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (BENZYL-C12-18-ALKYLDIMETHYLAMMONIUM, CHLORIDES)	
IATA	UN-No.	1903	
	Class	8	
	Packaging group	III	
	Description of the goods	Disinfectant, liquid, corrosive, n.o.s. (Benzyl-C12-18-alkyldimethylammonium, chlorides)	


Further information:

Not classified as supporting combustion according to the transport regulations.

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15. REGULATORY INFORMATION

Hazardous components:	Benzyl-C12-18-alkyldimethylammonium, chlorides	
General advice:	The product is classified and labeled in accordance with the EC directives or respective national law.	
Symbol:	C	Corrosive
		
R-phrase(s):	R22 R34	Harmful if swallowed Causes burns
S- phrase(s):	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 labeling of certain preparations:	Labeling according to Regulation (EC) No. 648/2004: 5 - 15% non-ionic surfactants, perfumes.	
Further information:	The product is classified in accordance with Annex VI (2.2.5) to Directive 67/548/EEC.	
Further information:	Use biocides safely. Always read the label and product information before use.	
National legislation:		
VOC-Content:	22%	Directive 1999/13/EC on the limitation of emissions of volatile organic compounds.
VOC-Content:	0,05 kg/kg	Switzerland. VOC Ordinance, Annex II (Products) Registration No. CHZN0073

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16. OTHER INFORMATION

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

Text of R-phrase(s) mentioned in section 2

R11	Highly flammable
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed
R34	Causes burns
R36	Irritating to eyes.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
R67	Vapours may cause drowsiness and dizziness.

Other information

Attention! All information concerns the concentrated product!

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 or our products to follow existing laws and regulations.

This safety data sheet complies with the requirements of Directive 2001/58/EC.

|| Changes compared with previous edition!!!