

Perform classic ConcentrateGA No Change Service!

Version 05.01

Revision Date 14.01.2008

Print Date 21.10.2009

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name : Perform classic ConcentrateGA
Producer/Supplier : Schülke & Mayr GmbH
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Germany
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Application : Disinfectants, Biocidal product type: 2, Biocidal product type: 4

2. HAZARDS IDENTIFICATION**Risk advice to man and the environment**

ICAO-Labels / Indication of danger:

Xn Harmful
R20 Harmful by inhalation.
R37 Irritating to respiratory system.
R41 Risk of serious damage to eyes.
R42/43 May cause sensitization by inhalation and skin contact.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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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Glutaral	111-30-8	203-856-5	T, N	R23/25, R34, R42/43, R50	10 %
Alkylpolyethoxy- polypropoxyether	68603-25-8		Xn	R22, R36	5 - 15 %
Mixture of 5-chloro- 2-methyl-2H- isothiazol-3-one (CAS 26172-55-4) and 2-methyl-2H- isothiazol-3-one (CAS 2682-20-4)	55965-84-9		T, C, N	R23/24/25, R34, R43, R50/53	0,1 - 0,3 %

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 the victim to fresh air and keep him calm. No artificial respiration, mouth-to-mouth or mouth to nose. Use suitable instruments/apparatus. 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 (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. Use personal protective equipment.
- Environmental precautions : Do not flush into surface water.
- 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).

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7. HANDLING AND STORAGE**Handling**

Safe handling advice : 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 : No special protective measures against fire required.

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
Glutaral	111-30-8	TLV: 0,05 ppm	ACGIH
Glutaral	111-30-8	MAK: 0,21 mg/m ³ MAK: 0,05 ppm	MAK
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CAS 26172-55-4) and 2-methyl-2H-isothiazol-3-one (CAS 2682-20-4)	55965-84-9	MAK: 0,2 mg/m ³	MAK

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. Respiratory protection complying with EN 141. Recommended Filter type: A

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

Hygiene measures : Keep away from food and drink.

Protective measures : Avoid contact with skin and eyes.

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9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form : liquid
Colour : yellow
Odour : aldehyde like

Other data

solidification range : < -5 °C
initial boiling point : ca. 100 °C
Flash point : > 100 °C
Method: ISO 2719
Vapour pressure : ca.25 hPa at 20 °C
Density : ca.1,03 g/cm³ at 20 °C
Water solubility : at 20 °C
completely miscible
pH : ca.6 - 8 at 5 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 2079 mg/kg
Skin irritation : rabbit, No skin irritation
Eye irritation : rabbit, No eye irritation
Test substance: 4% solution

12. ECOLOGICAL INFORMATION

Biodegradability : Readily biodegradable.
Method: OECD 301D / EEC 84/449 C6
Toxicity to bacteria : EC50 355 mg/l
Method: OECD 209

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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- Chemical Oxygen Demand (COD) : ca. 4500 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 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

- Further information : Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Hazardous components:

- Glutaral
- Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CAS 26172-55-4) and 2-methyl-2H-isothiazol-3-one (CAS 2682-20-4)

- General advice : In the EU, this product falls under the Directive on biocide products 98/8/EC. The product is classified and labelled in accordance with EC directives or respective national laws.

Symbol :



Xn
Harmful

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R-phrases(s)	:	R20 R37 R41 R42/43 R52/53	Harmful by inhalation. Irritating to respiratory system. Risk of serious damage to eyes. May cause sensitization by inhalation and skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases(s)	:	S23 S26 S35 S36/37/39	Do not breathe spray. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. This material and its container must be disposed of in a safe way. Wear suitable protective clothing, gloves and eye/face protection.
Special labelling of certain preparations	:	Labelling according to Regulation (EC) No. 648/2004:; 5 - 15 % non-ionic surfactants, METHYLCHLOROISOTHIAZOLINONE , METHYLISOTHIAZOLINONE	
Further information	:	Use biocides safely. Always read the label and product information before use.	

National legislation

Legislation on the control of major-accident hazards involving dangerous substances	:	Directive 96/82/EC does not apply	
VOC-Content	:	none, Directive 1999/13 /EC on the limitation of emissions of volatile organic compounds	
VOC-Content	:	none, Switzerland. VOC Ordinance, Annex II (Products)	
Switzerland	:	Registration number: CHZB0294	

16. OTHER INFORMATION

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

Text of R-phrases mentioned in Section 2

R22	Harmful if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R23/25	Toxic by inhalation and if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R42/43	May cause sensitization by inhalation and skin contact.
R43	May cause sensitization by skin contact.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other information

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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Caution! 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 of our products to follow existing laws and regulations.

|| Changes compared with the previous edition!!!