

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

schülke -+

BURATON 10 F

No Change Service!

Version 02.07

Revision Date 24.01.2008

Print Date 24.01.2008

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

Product information

Trade name : BURATON 10 F
Producer/Supplier : Schülke & Mayr GmbH
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22851 Norderstedt
Germany
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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
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R37/38 Irritating to respiratory system and skin.
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.
R42/43 May cause sensitization by inhalation and skin contact.
R68 Possible risk of irreversible effects.

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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Formaldehyde	50-00-0	200-001-8	T, Carc.Ca t.3	R23/24/25, R34, R40, R43	9 %
Glyoxal	107-22-2	203-474-9	Xn, Mut.Cat. 3	R20, R36/38, R43, R68	14 %
Glutaral	111-30-8	203-856-5	T, N	R23/25, R34, R42/43, R50	2 %
Sodium dodecylbenzenesulph onate	68411-30-3	270-115-0	Xn	R22, R38, R41	5 - 15 %
Isodecanpolyethylen eglycol(11)ether	61827-42-7		Xn	R22, R41	< 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 the victim to fresh air and keep him calm. No artificial respiration, mouth-to-mouth or mouth to nose. Use suitable instruments/apparatus. If symptoms persist, call a physician.
- 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. Use personal protective equipment.
- Environmental precautions : Avoid subsoil penetration. 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 formation of aerosol. Wear personal protective equipment. Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion : The product is not flammable.

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
Formaldehyde	50-00-0	MAK: 0,37 mg/m ³ MAK: 0,3 ppm	MAK
Formaldehyde	50-00-0	TLV: 0,3 ppm	ACGIH
Glutaral	111-30-8	TLV: 0,05 ppm	ACGIH
Glutaral	111-30-8	MAK: 0,21 mg/m ³ MAK: 0,05 ppm	MAK

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. 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. Do not breathe vapour.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid
Colour : blue

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Odour : stinging

Other data

solidification range : < -5 °C

initial boiling point : ca. 100 °C

Flash point : 65 °C
Method: DIN 51755 Part 1

Vapour pressure : 24 hPa at 20 °C

Density : ca.1,14 g/cm³ at 20 °C

Water solubility : at 20 °C
in all proportions

pH : ca.7,6 at 5 g/l (20 °C)

Viscosity, dynamic : ca.10 mPa*s at 20 °C
Method: DIN 54453

10. STABILITY AND REACTIVITY

Hazardous reactions : None reasonably foreseeable.

Hazardous decomposition products : None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat 2050 mg/kg

Skin irritation : rabbit, moderate primary irritant
Method: Patch Test 24 Hrs.
Test substance: 10% solution

Eye irritation : Assessment of eye tolerance in rabbits - slightly irritating.
Test substance: 3% solution
Remarks: Symptoms can be avoided by immediate rinsing or washing.

12. ECOLOGICAL INFORMATION

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

Toxicity to bacteria : EC50 229 mg/l
Method: OECD 209

Chemical Oxygen Demand : 2500 mg/l

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(COD) Test substance: 0,5% 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:

- Glyoxal
- Formaldehyde
- Glutaral

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) : R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

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	R37/38	Irritating to respiratory system and skin.
	R40	Limited evidence of a carcinogenic effect.
	R41	Risk of serious damage to eyes.
	R42/43	May cause sensitization by inhalation and skin contact.
	R68	Possible risk of irreversible effects.
S-phrases(s)	: S23	Do not breathe vapour.
	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.
	S51	Use only in well-ventilated areas.
Special labelling of certain preparations	: Labelling according to Regulation (EC) No. 648/2004: 5 - 15 % anionic surfactants, < 5 % non-ionic surfactants, perfumes, LIMONENE , LINALOOL	
National legislation		
Legislation on the control of major-accident hazards involving dangerous substances	: Directive 96/82/EC applies	
VOC-Content	: 9 %	Directive 1999/13 /EC on the limitation of emissions of volatile organic compounds
VOC-Content	: 0,09 kg/kg	Switzerland. VOC Ordinance, Annex II (Products)
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

Application	: Information on uses can be found in a separate preparation / product brochure.
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Text of R-phrases mentioned in Section 2

R20	Harmful by inhalation.
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.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R41	Risk of serious damage 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.
R68	Possible risk of irreversible effects.

Other information

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!!!