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Safety data sheet according to regulation (EC) No. 1907/2006, Annex II  
Revision: 19.11.2009. Replaces version of 19.11.2014. PDF date: 19.06.2015  
Microcide SQ

Safety data sheet  
according to Regulation (EC) No 1907/2006, Annex II

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

Identification of the substance or preparation

Microcide SQ®

Use of the substance/preparation  
Disinfectant cleaner

Company/undertaking identification

Global Biotechnologies, Inc 19 Rigby Road Scarborough, ME 04074  
Tel +1 207-799-8420 Fax +1 207-883-0308  
E-mail address of the competent person: DRBOB@GLOBALBIO.COM

Emergency telephone  
Advisory office in case of poisoning:  
Tel.:

Telephone number of the company in case of emergencies:  
Tel +1 207-799-8420

2. HAZARDS IDENTIFICATION

To people  
See point 11 and 15.  
Preparation is classified as hazardous in the sense of directive 1999/45/EC.  
Irritation of the eyes

To the environment  
See point 12.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name		1	
content %	Symbol Registration number (ECHA)	R-phrases	EINECS, ELINCS
Sodium carbonate			
1 - 5	Xi	36	207-838-8
Alkyl dimethyl ethylbenzyl ammonium chloride			
1 -< 5	Xn/C/N	21/22-34-50	287-090-7
Alkyldimethylbenzylammonium chloride			
1 -< 5	Xn/C/N	21/22-34-50	269-919-4
Tetrasodium ethylene diamine tetraacetate			
1 -< 5	Xn/Xi	22-41	200-573-9

For complete wording of the R-phrases, refer to point 16.

4. FIRST AID MEASURES

4.1 Inhalation  
Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms. Keep Data Sheet available.

**4.2 Eye contact**

Wash thoroughly for several minutes using copious water - call doctor immediately, have Data Sheet available.

**4.3 Skin contact**

Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

**4.4 Ingestion**

Rinse the mouth thoroughly with water.

Do not induce vomiting - give copious water to drink. Consult doctor immediately.

**4.5 Special resources necessary for first aid**

n.c.

**5. FIRE-FIGHTING MEASURES**

**5.1 Suitable extinguishing media**

Product is not combustible.

Adapt to the nature and extent of fire.

Water jet spray/foam/CO2/dry  
extinguisher

**5.2 Extinguishing media which shall not be used for safety reasons**

n.c.

**5.3 Special exposure hazards arising from the substance or preparation  
itself, combustion products, resulting gases**

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Hydrogen chloride

Toxic pyrolysis products.

**5.4 Special protective equipment for fire-fighters**

Protective respirator with independent air

supply. According to size of fire

Full protection, if necessary

**5.5 Further information**

Dispose of contaminated extinction water according to official regulations.

**6. ACCIDENTAL RELEASE MEASURES**

Refer to point 13. and for personal protection refer to point 8.

**6.1 Personal precautions**

Ensure sufficient supply  
of air. Avoid contact with  
eyes or skin.

If applicable, caution - risk of slipping

**6.2 Environmental precautions**

If leakage occurs, dam up.

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration.

If accidental entry into drainage system occurs, inform responsible authorities.

**6.3 Methods for cleaning up**

Collect using absorbant material (e.g. Universal binding medium) and dispose of according to point 13

**7. HANDLING AND**

**7.1 Handling**

**Tips for safe handling:**

See point 6.1

Avoid aerosol formation.

Eating, drinking, smoking, as well as food-storage, is prohibited in  
work-room. Wash hands before breaks and at end of work.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

**7.2. Storage**

**Requirements for storage rooms  
and containers:**

Not to be stored in gangways or stair wells.

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Store product closed and only in original packing. <b>Special storage conditions:</b> See point 10 Protect from frost.	
<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
8.1 Exposure limit values	
8.2 Exposure controls	
8.2.1 Occupational exposure controls	
<p>Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here. General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs.</p>	
Respiratory protection:	Normally not necessary.
Hand protection:	Chemical resistant protective
gloves (EN 374). Protective hand cream recommended.	
If applicable	
Rubber gloves (EN 374).	
Protective hand cream recommended.	
Eye protection:	Tight fitting protective goggles with side protection
(EN 166). Skin protection:	Protective working garments (e.g. safety shoes
EN ISO 20345,	long-sleeved protective working garments)
<p>Additional information on hand protection - No tests have been performed. Selection made for preparations according to the best available knowledge and information on the ingredients. Selection of materials derived from glove manufacturer's indications. Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.</p>	
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
Physical state:	Liquid Colour: Colourless Odour: Odourless pH-value
Boiling point/boiling range (°C):	> 100
Melting point/melting range (°C):	< 0
Flash point (°C):	n.c. Vapour pressure: n.c. Density (g/ml): 1,007
Water solubility:	Soluble
<b>10. STABILITY AND REACTIVITY</b>	
<p>Conditions to avoid Stable when handled and stored correctly.</p>	
<p>Materials to avoid See point 7 Avoid contact with other chemicals. <b>Hazardous</b> <b>decomposition products</b> See point 5.3</p>	

11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity and immediate effects

Ingestion, LD 50 Rat Oral (mg/kg)	n.v.
Inhalation, LD 50 Rat Inhal. (mg/l/h)	n.v.
Skin Contact, LD50 Rat Dermal (mg/kg)	n.v.
Eye Contact	See Point 15

11.2Delayed and chronic effects

Sensitization:	
May Cause Sensitization by Skin Contact*	
* Benzalkonium Chloride	
Carcinogenicity	n.g.
Mutagenicity	n.g.
Reproductive toxicity	n.g.
Necrosis	n.g.

Further Information

Classification according to calculation  
procedure. The following may occur:  
Irritation of the skin.  
Ingestion of large  
quantities: Product is  
dangerous to health.  
~~Risk of serious~~

12. ECOLOGICAL INFORMATION

Water	hazard	class	(Germany):
3			
Self classification:			Yes
(VwVwS) Persistence and degradability:			
Readily			
biodegradable			
(86%) *			
79,9% /28d			
US-EPA **			
Behaviour	in	sewage	plants:
n.ay.	Aquatic		toxicity:

13. DISPOSAL CONSIDERATIONS

**13.1. for the material / preparation / residue**

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

07 06 01 aqueous washing liquids and mother liquors

20 01 29 detergents containing dangerous substances

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

**13.2 for contaminated packing material**

See point 13.1

Pay attention to local and national official regulations

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance

**14. TRANSPORT INFORMATION**

LQ: n.a. Tunnel restriction code:

**Additional information:**

Non-dangerous material according to Transport Regulations.

**15. REGULATORY INFORMATION**

**Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)**

Symbols: Xi



Indications of danger:

Irritant

R-phrases:

36 Irritating to eyes. S-phrases:

(2) Keep out of the reach of children.

26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

35 This material and its container must be disposed of in a safe way.

(46) If swallowed, seek medical advice immediately and show this container or label.

Additions: n.a.

Observe restrictions: Yes

Observe youth employment law (German regulation).

Observe restrictive guidelines 76/769/EEC, 1999/51/EC, 1999/77/EC

**16 OTHER INFORMATION**

These details refer to the product as it is delivered.

Storage class VCI (Germany): 12

Revised points: n.a.

The following phrases represent the prescribed R-phrases / H-phrases (GHS) for the ingredients (designated in point 3).

36 Irritating to eyes.

21/22 Harmful in contact with skin and if swallowed.

n.a. = not applicable / n.v., k.D.v. = n.av. = not available / n.g. = n.c. = not checked

WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference period),

STEL = Short-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40

AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer Grenzwert" (biological limit value, Germany) VbF =

WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water

VOC = Volatile organic compounds / AOX = Adsorbable organic halogen compounds

VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

These statements were made by: GLOBAL BIOTECHNOLOGIES, INC