

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

CCX-151

Use of the substance/preparation

Disinfectant cleaner
Biocide

Company/undertaking identification

Microgen, Inc., 33 Clinton Road, Suite 102, West Caldwell, NJ 07006 USA
Tel.: +1 973-575-9025 Fax: +1 973-575-9075

E-mail address of the competent person: info@chemical-check.de, k.schnurbusch@chemical-check.de

Emergency telephone

Advisory office in case of poisoning:

Tel.:

Telephone number of the company in case of emergencies:

Tel.: +1 973-575-9025

2. HAZARDS IDENTIFICATION

To people

See point 11 and 15.
Preparation is classified as hazardous in the sense of directive 1999/45/EC.
34 Causes burns.
21/22 Harmful in contact with skin and if swallowed.
Risk of serious damage to eyes.

To the environment

See point 12.
50 Very toxic to aquatic organisms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name			
content %	Symbol	R-phrases	EINECS, ELINCS
	Registration number (ECHA)	DNEL	PNEC
Amines, C12-18-alkyldimethyl			
< 5	Xn/C/N	22-34-50	269-923-6
Alcohol, (C12-14), ethoxylate			
5 -< 25	Xn/Xi/N	22-41-50	
Alkyldimethylbenzylammonium chloride			
10 -< 25	Xn/C/N	21/22-34-50	269-919-4
Alkyl dimethyl ethylbenzyl ammonium chloride			
10 -< 25	Xn/C/N	21/22-34-50	287-090-7
Ethylene diamine tetraacetic acid, Tetrasodium salt			
1 -< 10	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

There should be an eyewash station and safety shower located near the area of use.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

CO2
Dry extinguisher
Water jet spray

5.2 Extinguishing media which shall not be used for safety reasons

High volume water jet

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.
Ammonia vapour

5.4 Special protective equipment for fire-fighters

Protective respirator with independent air supply
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 ventilation.
Avoid contact with eyes or skin.
If applicable, caution - risk of slipping.
Remove possible causes of ignition - do not smoke.

6.2 Environmental precautions

If leakage occurs, dam up.
Prevent surface and ground-water infiltration, as well as ground penetration.
If accidental entry into drainage system occurs, inform responsible authorities.
Avoid release to the environment.
Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous.

6.3 Methods for cleaning up

Collect using absorbant material (e.g. Universal binding medium), and dispose of according to point 13.
Flush residue using copious water.

7. HANDLING AND STORAGE

7.1 Handling

Tips for safe handling:

See point 6.1

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.
 There should be an eyewash station and safety shower located near the area of use.
 Handle and open container with care.
 Do not heat to temperatures close to flash point.

7.2. Storage

Requirements for storage rooms and containers:

Not to be stored in gangways or stair wells.
 Store product closed and only in original packing.
 Store separately from acids.
 Do not use alkali sensitive materials.
 Do not use metal packing, especially sheet metal or aluminium.
 Do not store with flammable or self-igniting materials.

Special storage conditions:

See point 10
 Protect from frost.
 Protect from direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

Chemical Name	Ethanol	Content %:	
WEL-TWA: 1000 ppm (1920 mg/m3)	WEL-STEL: ---	---	
BMGV: ---	Other information: ---		

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
 ** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

8.2 Exposure controls

8.2.1 Occupational exposure controls

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.
 Respiratory protection: Normally not necessary.
 Hand protection: Chemical resistant protective gloves (EN 374).
 Protective hand cream recommended.
 Protective Neopren gloves (EN 374).
 Eye protection: Tight fitting protective goggles with side protection (EN 166).
 If applicable
 Face protection (EN 166)
 Skin protection: Protective working garments (e.g. safety shoes EN 344, long-sleeved protective working garments)
 According to operation.
 Apron
 Boots (EN ISO 20347)

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.

8.2.2 Environmental exposure controls

n.av.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Light green
Odour:	Mild
pH-value undiluted:	12,7
Boiling point/boiling range (°C):	n.av.
Melting point/melting range (°C):	n.av.
Flash point (°C):	> 93
Density (g/ml):	1,01
Water solubility:	Soluble

10. STABILITY AND REACTIVITY

Conditions to avoid

Stable when handled and stored correctly.

Materials to avoid

See point 7

Avoid contact with other chemicals.

Hazardous decomposition products

See point 5.3

11. TOXICOLOGICAL INFORMATION

Acute toxicity and immediate effects

Ingestion, LD50 rat oral (mg/kg):	n.d.a., See point 15.
Inhalation, LC50 rat inhal.(mg/l/4h):	n.av.
Skin contact, LD50 rat dermal (mg/kg):	See point 15., n.d.a.
Eye contact:	See point 15.

Delayed and chronic effects

Sensitization:

May cause sensitization by skin contact. *

* Benzalkonium chloride

Carcinogenicity: n.c.

Mutagenicity: n.c.

Reproductive toxicity: n.c.

Narcosis: n.c.

Further information

Classification according to calculation procedure.

The following may occur:

Irritation of the skin.

Product is dangerous to health.

Risk of serious damage to eyes.

* Benzalkonium chloride

12. ECOLOGICAL INFORMATION

Water hazard class (Germany):	3
Self classification:	Yes (Vw/wS)
Persistence and degradability:	
Readily biodegradable (86%) *	
Behaviour in sewage plants:	n.av.
Aquatic toxicity:	50 Very toxic to aquatic organisms.
Ecological toxicity:	n.av.
* Alcohol, (C12-15), ethoxylate	

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

General statements

UN-Number: 1903

Road/Rail-transport (ADR/RID)

Class/packing group: 8/II

UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (ALKYLDIMETHYLBENZYLAMMONIUMCHLORIDE)

Classification code: C9

LQ: 22



Additional information:

Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

15. REGULATORY INFORMATION

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

Symbols: C/N

Indications of danger:

Corrosive

Dangerous for the environment

R-phrases:

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

34 Causes burns.

50 Very toxic to aquatic organisms.

S-phrases:

(1/2) Keep locked up and out of the reach of children.

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

29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Additions:

Alkyldimethylbenzylammonium chloride

Alkyl dimethyl ethylbenzyl ammonium chloride

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):

8 L

Revised points:

1 - 16 (REACH)

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

22 Harmful if swallowed.

22 Also harmful if swallowed.

34 Causes burns.

50 Very toxic to aquatic organisms.

41 Risk of serious damage to eyes.

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

Legend:

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 = Regulations for flammable liquids (Austria)

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.

No responsibility.

These statements were made by:

Chemical Check GmbH, Wöbbeler Straße 2-4, D-32839 Steinheim, Tel.: +49 5233 94 17 0, +49 1805-

CHEMICAL / +49 180 52 43 642, Fax: +49 5233 94 17 90, +49 180 50 50 455

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document

is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.