

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## megroCid

Revision date: 11.05.2020

Product code: 00320-0024-GHS

Page 1 of 10

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

megroCid

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

Disinfection and cleaning of medical inventory and surfaces

#### 1.3. Details of the supplier of the safety data sheet

Company name: megro GmbH & Co. KG

Street: Am Schornacker 30

Place: 46485 Wesel

Telephone: +49 (0) 281 9899-0

Telefax: +49 (0) 281 9899-55

e-mail: schulz@megro.de

Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

#### 1.4. Emergency telephone number:

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
In England and Wales: NHS 111 In Scotland: NHS 24 - dial 111

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Causes skin irritation.

Causes serious eye damage.

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard components for labelling

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Didecyldimethylammonium chloride

Alcohols, C9-11-branched, ethoxylated

Signal word: Danger

Pictograms:



##### Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H410 Very toxic to aquatic life with long lasting effects.

##### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## megroCid

Revision date: 11.05.2020

Product code: 00320-0024-GHS

Page 2 of 10

- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P273 Avoid release to the environment.
- P310 Immediately call a POISON CENTER/doctor.
- P501 Dispose of contents/container to approved disposal company or local collection.

### 2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Aqueous surfactants solution

#### Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	GHS Classification	
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	< 10 %
	270-325-2	01-2119965180-41
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 1); H302 H314 H318 H400 H410	
7173-51-5	Didecyldimethylammonium chloride	< 5 %
	230-525-2	612-131-00-6
	01-2119945987-15	
	Acute Tox. 3, Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 1); H301 H314 H400 H410	
169107-21-5	Alcohols, C9-11-branched, ethoxylated	< 5 %
	Acute Tox. 4, Eye Dam. 1; H302 H318	

Full text of H and EUH statements: see section 16.

#### Further Information

Concentration of quaternary ammonium compounds < 10%

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.  
If you feel unwell, seek medical advice.

#### After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.  
In the event of symptoms refer for medical treatment.

#### After contact with skin

Wash off immediately with soap and plenty of water.  
Consult a doctor if skin irritation persists.

#### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## **megroCid**

Revision date: 11.05.2020

Product code: 00320-0024-GHS

Page 3 of 10

Seek medical treatment by eye specialist.

### **After ingestion**

Do not provoke vomiting. Consult physician. Attention in case of vomiting - acute danger of suffocating, produced by foaming ingredients. Rinse mouth. Make drink some glasses of water. The decision whether to provoke vomiting is to be taken by a physician.

### **4.2. Most important symptoms and effects, both acute and delayed**

Causes skin irritation.

Causes serious eye damage.

Watch out. Beware, hazard of foam aspiration.

### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptoms.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Product does not burn, fire-extinguishing activities according to surrounding.

#### **Unsuitable extinguishing media**

Full water jet

### **5.2. Special hazards arising from the substance or mixture**

Fire may produce:

Chlorine compounds.

carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>)

### **5.3. Advice for firefighters**

Use breathing apparatus with independent air supply.

Protective suit.

### **Additional information**

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

In case of vapour formation use respirator.

Ensure adequate ventilation.

Use personal protective clothing.

### **6.2. Environmental precautions**

Do not discharge into the drains/surface waters/ground water.

### **6.3. Methods and material for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

### **6.4. Reference to other sections**

Observe protective instructions (see Sections 7 and 8).

Information for disposal see section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Keep container tightly closed.

Use only in thoroughly ventilated areas.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## megroCid

Revision date: 11.05.2020

Product code: 00320-0024-GHS

Page 4 of 10

Avoid contact with skin, eyes and clothing.

### Advice on protection against fire and explosion

No special protective measures against fire required.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep containers tightly closed in a dry, well-ventilated place.  
Keep at temperatures between 5°C and 25°C.

#### Hints on joint storage

Incompatible with oxidizing agents.

#### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

### 7.3. Specific end use(s)

Disinfection and cleaning of medical inventory and surfaces

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice on limit values

No data available

### 8.2. Exposure controls

#### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

#### Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.  
When using do not eat, drink or smoke.  
Avoid contact with skin, eyes and clothing.  
Remove and wash contaminated clothes before re-use.

#### Eye/face protection

Tightly fitting goggles (EN 166).  
Eye wash bottle with pure water (EN 15154).

#### Hand protection

Also suitable are gloves made of:

Natural rubber (NR; 0,5 mm): Breakthrough time > 8 h  
Polychloropren - CR (0,5 mm): Breakthrough time > 8 h  
Nitrile rubber/nitrile latex - NBR (0,35 mm): Breakthrough time > 8 h  
Butyl rubber - Butyl (0,5 mm): Breakthrough time > 8 h  
Fluoro-rubber - FKM (0.4 mm): Breakthrough time > 8 h  
Polyvinyl chloride - PVC (0.5 mm): Breakthrough time > 8 h

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

#### Skin protection

Long sleeved clothing (DIN EN ISO 6530)

#### Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## megroCid

Revision date: 11.05.2020

Product code: 00320-0024-GHS

Page 5 of 10

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	Colourless	
Odour:	Mild	
		<b>Test method</b>
pH-Value (at 20 °C):	6 - 8,5	Concentrate
<b>Changes in the physical state</b>		
Melting point:	< - 10 °C	
Initial boiling point and boiling range:	approx. 100 °C	
Sublimation point:	n.a.	
Softening point:	n.d.	
Flash point:	n.a.	
<b>Flammability</b>		
Solid:	n.a.	
Gas:	n.a.	
<b>Explosive properties</b>		
The product is not explosive.		
Lower explosion limits:	n.a.	
Upper explosion limits:	n.a.	
Ignition temperature:	n.a.	
<b>Auto-ignition temperature</b>		
Solid:	n.a.	
Gas:	n.a.	
Decomposition temperature:	n.d.	
<b>Oxidizing properties</b>		
Not oxidising.		
Density (at 20 °C):	approx. 0,99 g/cm <sup>3</sup>	
Water solubility: (at 20 °C)	Miscible	
Partition coefficient:	n.d.	
Viscosity / dynamic:	7 - 9 mPa·s	
Viscosity / kinematic:	n.d.	
Flow time:	n.d.	
Vapour density:	n.d.	
Evaporation rate:	n.d.	
Solvent separation test:	0 %	
Solvent content:	0 %	

#### 9.2. Other information

No data available

### SECTION 10: Stability and reactivity



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## megroCid

Revision date: 11.05.2020

Product code: 00320-0024-GHS

Page 6 of 10

### **10.1. Reactivity**

No decomposition if stored and applied as directed.

### **10.2. Chemical stability**

Stable under normal conditions.

### **10.3. Possibility of hazardous reactions**

Reactions with oxidizing agents.

### **10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.

### **10.5. Incompatible materials**

Strong oxidizing agents.

### **10.6. Hazardous decomposition products**

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>)  
chlorine compounds

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Acute toxicity**

Based on available data, the classification criteria are not met.  
No toxicological data available.

#### **Irritation and corrosivity**

Causes skin irritation.  
Causes serious eye damage.  
Skin: Non corrosive [OECD 435]

#### **Sensitising effects**

Based on available data, the classification criteria are not met.

#### **Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

#### **STOT-single exposure**

Based on available data, the classification criteria are not met.

#### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

#### **Additional information on tests**

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008 and on the basis of toxicological data.

#### **Practical experience**

#### **Other observations**

Watch out. Beware, hazard of foam aspiration.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Ecological data are not available.  
Very toxic to aquatic organisms.  
Toxic to aquatic life with long lasting effects.  
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides  
LC50/Oncorhynchus mykiss/96 h = 0,93 mg/l [US-EPA]



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## megroCid

Revision date: 11.05.2020

Product code: 00320-0024-GHS

Page 7 of 10

LC50/Pimephales promelas/96 h = 0,28 mg/l [US-EPA]  
 EC50/Daphnia magna/48 h = 0,025 mg/l [EPA-FIFRA]  
 ErC50/Selenastrum capricornutum/72 h = 0,049 [ OECD 201]  
 EC50/Activated sludge/ 3 h = 7,75 mg/l [ OECD 209]  
 LC50/earthworms/14 d = 7070 mg/kg [OECD 207]

### 12.2. Persistence and degradability

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.

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

### 12.6. Other adverse effects

Hazardous water pollutant.

### Further information

This concentrate is not allowed to be released into the sewerage, surface water or groundwater.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### **Disposal recommendations**

Can be incinerated, when in compliance with local regulations.

#### **List of Wastes Code - residues/unused products**

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

#### **Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

## SECTION 14: Transport information

### **Land transport (ADR/RID)**

#### 14.1. UN number:

UN 3082

#### 14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)

#### 14.3. Transport hazard class(es):

9

#### 14.4. Packing group:

III

Hazard label:

9



Classification code:

M6



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## megroCid

Revision date: 11.05.2020

Product code: 00320-0024-GHS

Page 8 of 10

Limited quantity: 5 L / 30 kg  
 Excepted quantity: E1  
 Transport category: 3  
 Hazard No: 90  
 Tunnel restriction code: -

### Other applicable information (land transport)

Special provision 375: Product in packaging (inner packaging, single packaging) up to 5 L is not subject to the provisions of ADR/RID.

### Inland waterways transport (ADN)

**14.1. UN number:** UN 3082  
**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)  
**14.3. Transport hazard class(es):** 9  
**14.4. Packing group:** III  
 Hazard label: 9



Classification code: M6  
 Limited quantity: 5 L / 30 kg  
 Excepted quantity: E1

### Other applicable information (inland waterways transport)

Special provision 375: Product in packaging (inner packaging, single packaging) up to 5 L is not subject to the provisions of ADN.

### Marine transport (IMDG)

**14.1. UN number:** UN 3082  
**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)  
**14.3. Transport hazard class(es):** 9  
**14.4. Packing group:** III  
 Hazard label: 9



Marine pollutant: Yes  
 Limited quantity: 5 L / 30 kg  
 Excepted quantity: E1  
 EmS: F-A, S-F

### Other applicable information (marine transport)

Subsection 2.10.2.7 IMDG Code: Product in packaging (inner packaging, single packaging) up to 5 L is not subject to the provisions of MDG Code.

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 3082  
**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)





# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## megroCid

Revision date: 11.05.2020

Product code: 00320-0024-GHS

Page 9 of 10

### 14.3. Transport hazard class(es):

9

### 14.4. Packing group:

III

Hazard label:

9



Limited quantity Passenger:

30 kg G

Passenger LQ:

Y964

Excepted quantity:

E1

IATA-packing instructions - Passenger:

964

IATA-max. quantity - Passenger:

450 L

IATA-packing instructions - Cargo:

964

IATA-max. quantity - Cargo:

450 L

### **Other applicable information (air transport)**

Special provision A197: Product in packaging (inner packaging, single packaging) up to 5 L is not subject to the provisions of IATA/DGR.

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



### 14.6. Special precautions for user

Take the usual precautions when handling with chemicals.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

The transport takes place only in approved and appropriate packaging.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulatory information

2004/42/EC (VOC):

1 %

Information according to 2012/18/EU (SEVESO III):

E1 Hazardous to the Aquatic Environment

#### Additional information

Regulation (EC) No 648/2004 (Regulation on detergents):

Non-ionic surfactants < 5%

#### National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### Changes

Changes in chapter: 2, 4, 9, 11, 14



**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**megroCid**

Revision date: 11.05.2020

Product code: 00320-0024-GHS

Page 10 of 10

**Abbreviations and acronyms**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation int er  
 IMDG = International Maritime Code for Dangerous Goods  
 IATA/ICAO = International Air Transport Association / International Civil Aviation Organization  
 MARPOL = International Convention for the Prevention of Pollution from Ships  
 IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 REACH = Registration, Evaluation, Authorization and Restriction of Chemicals  
 CAS = Chemical Abstract Service  
 EN = European norm  
 ISO = International Organization for Standardization  
 DIN = Deutsche Industrie Norm  
 PBT = Persistent Bioaccumulative and Toxic  
 vPvB = Very Persistent and very Bio-accumulative  
 LD = Lethal dose  
 LC = Lethal concentration  
 EC = Effect concentration  
 IC = Median immobilisation concentration or median inhibitory concentration

**Relevant H and EUH statements (number and full text)**

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

**Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

*The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*

