

# cariform special

Version: 3 / GB

Replaces Version: 2 /  
GB

Date revised: 14.10.2016

Print date: 26.05.17

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

### 1.1. Product identifier

cariform special

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

#### Use of the substance/preparation

Washing and cleaning products (including solvent based products)

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

#### Address:

Chemische Fabrik Dr. Weigert GmbH & Co. KG  
Mühlenhagen 85  
D-20539 Hamburg  
Telephone no. +49 40 789 60 0  
Fax no. +49 40 789 60 120  
www.drweigert.com

#### E-mail address of person responsible for this SDS:

sida@drweigert.de

### 1.4. Emergency telephone number

GBK/ Infotrac: (USA domestic) 1 800 535 5053 or international +1 352 323 3500

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Classification (Regulation (EC) No. 1272/2008)  
Eye Irrit. 2 H319

### 2.2. Label elements

#### Labelling according to regulation (EC) No 1272/2008

#### Hazard pictograms



#### Signal word

Warning

#### Hazard statements

H319 Causes serious eye irritation.

#### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

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## 2.3. Other hazards

No special hazards have to be mentioned.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients

##### citric acid, anhydrous

CAS No.	77-92-9			
EINECS no.	201-069-1			
Registration no.	01-2119457026-42			
Concentration	>= 25	<	50	%
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2		H319	

##### fatty alcohols, ethoxylated

CAS No.	68439-50-9			
Concentration	>= 0,1	<	1	%
Classification (Regulation (EC) No. 1272/2008)	Acute Tox. 4		H302	
	Eye Dam. 1		H318	
	Aquatic Chronic 3		H412	

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Dam. 1	H318	> 10 %
Eye Irrit. 2	H319	> 1 <= 10 %

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated, soaked clothing immediately and dispose of safely.

#### After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

#### After skin contact

After contact with skin, wash immediately with plenty of water. Consult a doctor if skin irritation persists.

#### After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. In case of irritation consult an oculist.

#### After ingestion

Rinse mouth thoroughly with water.

#### Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

#### Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

#### Non suitable extinguishing media

Full water jet

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

In case of combustion evolution of dangerous gases possible.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus.

#### Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting 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

Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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

Pick up with absorbent material. Dispose of absorbed material in accordance with the regulations.

### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid formation of aerosols. Observe the usual precautions for handling chemicals. Keep container tightly closed.

#### Advice on protection against fire and explosion

The product is not combustible.

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

#### Recommended storage temperature

Value > 0 < 30 °C

#### Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### Storage class according to TRGS 510

Storage class according to TRGS 510 10-13 Other combustible and non-combustible substances

### 7.3. Specific end use(s)

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no data

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Other information

There are not known any further control parameters.

### 8.2. Exposure controls

#### General protective and hygiene measures

Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Wash hands before breaks and after work.

#### Respiratory protection

Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

#### Hand protection

Chemical resistant gloves (EN 374)

Use Permanent hand contact

Appropriate Material neoprene

Material thickness  $\geq$  0,65 mm

Breakthrough time  $>$  480 min

Appropriate Material nitrile

Material thickness  $\geq$  0,4 mm

Breakthrough time  $>$  480 min

Appropriate Material butyl

Material thickness  $\geq$  0,7 mm

Breakthrough time  $>$  480 min

Use Short-term hand contact

Appropriate Material nitrile

Material thickness  $\geq$  0,11 mm

Hand protection must comply with EN 374.

#### Eye protection

Safety glasses with side protection shield (EN 166)

#### Body protection

Clothing as usual in the chemical industry.

## SECTION 9: Physical and chemical properties

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

<b>Form</b>	liquid
<b>Colour</b>	colourless to yellowish
<b>Odour</b>	characteristic
<b>Odour threshold</b>	
Remarks	not determined
<b>pH value</b>	
Value	appr. 1
<b>Melting point</b>	
Remarks	not determined
<b>Freezing point</b>	
Remarks	not determined
<b>Initial boiling point and boiling range</b>	

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Remarks not determined

## Flash point

Remarks Not applicable

## Evaporation rate (ether = 1) :

Remarks not determined

## Flammability (solid, gas)

evaluation not determined

## Upper/lower flammability or explosive limits

Remarks not determined

## Vapour pressure

Remarks not determined

## Vapour density

Remarks not determined

## Density

Value 1,16 g/cm<sup>3</sup>

## Solubility in water

Remarks miscible in all proportions

## Solubility(ies)

Remarks not determined

## Partition coefficient: n-octanol/water

Remarks not determined

## Ignition temperature

Remarks not determined

## Decomposition temperature

Remarks not determined

## Viscosity

### dynamic

Value < 50 mPa.s

## Explosive properties

evaluation not determined

## Oxidising properties

evaluation None known

## 9.2. Other information

### Other information

None known

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

### 10.2. Chemical stability

No hazardous reactions known.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

### 10.4. Conditions to avoid

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No hazardous reactions known.

## Decomposition temperature

Remarks not determined

## 10.5. Incompatible materials

Reactions with alkalies.

## 10.6. Hazardous decomposition products

Irritant gases/vapours

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute oral toxicity

Species	rat		
LD50	>	2000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		

#### Acute oral toxicity (Components)

##### citric acid, anhydrous

Species	rat		
LD50		11700	mg/kg

##### citric acid, anhydrous

Species	mouse		
LD50		5040	mg/kg

##### fatty alcohols, ethoxylated

Species	rat		
LD50		300 to 2000	mg/kg
Source	Manufacturer's data		

#### Acute dermal toxicity

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

#### Acute inhalational toxicity

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

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

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

#### Sensitization

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

#### Subacute, subchronic, chronic toxicity

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

#### Mutagenicity

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

#### Reproductive toxicity

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

#### Carcinogenicity

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

#### Specific Target Organ Toxicity (STOT)

Remarks not determined

#### Aspiration hazard

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No special hazards have to be mentioned.

## Experience in practice

Inhalation may lead to irritation of the respiratory tract.

## Other information

There is no data available on the product apart from the information given in this subsection.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### General information

not determined

#### Fish toxicity (Components)

##### citric acid, anhydrous

Species	golden orfe ( <i>Leuciscus idus</i> )			
LC50	440	to	706	mg/l
Duration of exposure	96	h		

##### fatty alcohols, ethoxylated

Species	carp ( <i>Cyprinus carpio</i> )			
LC50	1	to	10	mg/l
Duration of exposure	96	h		
Method	OECD 203			

#### Daphnia toxicity (Components)

##### citric acid, anhydrous

Species	Daphnia magna			
EC50	120			mg/l
Duration of exposure	72	h		

##### fatty alcohols, ethoxylated

Species	Daphnia magna			
EC50	1	to	10	mg/l
Duration of exposure	48	h		
Method	OECD 202			

#### Algae toxicity (Components)

##### fatty alcohols, ethoxylated

Species	Scenedesmus subspicatus			
EC50	1	to	10	mg/l
Duration of exposure	72	h		
Method	OECD 201			

### 12.2. Persistence and degradability

#### General information

not determined

### 12.3. Bioaccumulative potential

#### General information

not determined

#### Partition coefficient: n-octanol/water

Remarks not determined

### 12.4. Mobility in soil

#### General information

not determined





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## VOC

VOC (EU) 0 %

## Other information

The product does not contain substances of very high concern (SVHC).

## 15.2. Chemical safety assessment

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

## SECTION 16: Other information

### Hazard statements listed in Chapter 3

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

### CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2

### Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.