

# cariform active

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 17.02.2021

Print date: 20.01.23

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

### 1.1. Product identifier

cariform active

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

#### Identified Uses

PC35                      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

Emergency telephone number: 112

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Classification (Regulation (EC) No. 1272/2008)  
Skin Irrit. 2                      H315  
Eye Dam. 1                      H318

### 2.2. Label elements

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

#### Hazard pictograms



#### Signal word

Danger

#### Hazard statements

H315                      Causes skin irritation.  
H318                      Causes serious eye damage.

#### Precautionary statements

P280                      Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352              IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338      IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

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P310  
 lenses, if present and easy to do. Continue rinsing.  
 Immediately call a POISON CENTER or doctor.  
 Dispose only when container is empty and closed. For disposal of product residues, refer to safety data sheet.

## Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains sodium alkylbenzene sulfonate; sodium hydroxide; disodium metasilicate

### 2.3. Other hazards

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture

#### Hazardous ingredients

##### sodium hydroxide

CAS No.	1310-73-2			
EINECS no.	215-185-5			
Registration no.	01-2119457892-27			
Concentration	>= 0,5	<	2	%
Classification (Regulation (EC) No. 1272/2008)				
	Met. Corr. 1		H290	
	Skin Corr. 1A		H314	
	Eye Dam. 1		H318	

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

Eye Irrit. 2	H319	>= 0,5 < 2 %
Skin Corr. 1A	H314	>= 5 %
Skin Corr. 1B	H314	>= 2 < 5 %
Skin Irrit. 2	H315	>= 0,5 < 2 %

##### sodium alkylbenzene sulfonate

CAS No.	68411-30-3			
EINECS no.	270-115-0			
Registration no.	01-2119489428-22			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 4		H302	Route of exposure: oral
	Skin Irrit. 2		H315	
	Eye Dam. 1		H318	
	Aquatic Chronic 3		H412	

##### decan-1-ol, ethoxylated

CAS No.	78330-20-8			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 4		H302	Route of exposure: oral
	Eye Dam. 1		H318	

##### sodium cumenesulfonate

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CAS No.	15763-76-5				
EINECS no.	239-854-6				
Registration no.	01-2119489411-37				
Concentration	>= 1	<	10	%	
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2				H319

## disodium metasilicate

CAS No.	6834-92-0				
EINECS no.	229-912-9				
Registration no.	01-2119449811-37				
Concentration	>= 1	<	5	%	
Classification (Regulation (EC) No. 1272/2008)	Skin Corr. 1B				H314
	STOT SE 3				H335

## Other information

Complete text of R-phrases in Chapter 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of persistent symptoms consult doctor.

#### After inhalation

No special measures required.

#### After skin contact

After contact with skin, wash immediately with plenty of water.

#### After eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

#### 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 / treatment

Treat symptomatically

#### 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.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water, Foam, Dry powder, Carbon dioxide

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## Non suitable extinguishing media

Full water jet

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

None known

## 5.3. Advice for firefighters

### Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

### Other information

Fire residues must be disposed of in a proper manner.

## 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

Take up with absorbent material (eg sand, kieselguhr, universal binder).

### 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

No special measures required.

#### Storage classes

Storage class according to TRGS 510 12 Non-combustible liquids

### 7.3. Specific end use(s)

no data

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values

##### sodium hydroxide

List EH40  
Type WEL

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Short term exposure limit 2 mg/m<sup>3</sup>

## 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

Use Permanent hand contact  
neoprene

Appropriate Material  
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; Eye protection must comply with EN 166.

### Body protection

Not necessary.

## SECTION 9: Physical and chemical properties

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

**Physical state** liquid

**Colour** light yellow

**Odour** characteristic

#### Melting point

Remarks not determined

#### Freezing point

Remarks not determined

#### Boiling point or initial boiling point and boiling range

Remarks not determined

#### Flammability

evaluation Not applicable

#### Upper and lower explosive limits

Remarks Not applicable

#### Flash point

Remarks Not applicable

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## Ignition temperature

Remarks Not applicable

## Decomposition temperature

Remarks  
Remarks not determined

## pH value

Value appr. 13,6  
Temperature 20 °C

## Viscosity

### dynamic

Value < 100 mPa.s  
Temperature 20 °C

## Solubility(ies)

Remarks not determined

## Partition coefficient n-octanol/water (log value)

Remarks not determined

## Vapour pressure

Remarks not determined

## Density and/or relative density

Value 1,09 g/cm<sup>3</sup>  
Temperature 20 °C

## Relative vapour density

Remarks not determined

## 9.2. Other information

### Odour threshold

Remarks not determined

### Evaporation rate (ether = 1) :

Remarks not determined

### Solubility in water

Remarks miscible in all proportions

### Explosive properties

evaluation not determined

### Oxidising properties

evaluation None known

### 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.

## 10.5. Incompatible materials

None known

## 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute oral toxicity

Species	rat			
LD50	>	6000		mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)			

#### Acute oral toxicity (Components)

##### decan-1-ol, ethoxylated

Species	rat			
LD50		300	to	2000 mg/kg

##### disodium metasilicate

Species	rat			
LD50		1150		mg/kg

#### Acute dermal toxicity

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

#### Acute dermal toxicity (Components)

##### disodium metasilicate

Species	rat			
LD50	>	5000		mg/kg

#### Acute inhalational toxicity

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

#### Skin corrosion/irritation

Remarks Irritating effects on the skin and mucous membrane.

#### Serious eye damage/irritation

Remarks Risk of serious damage to eyes.

#### 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)

##### Single exposure

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

##### Repeated exposure

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

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## Aspiration hazard

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

## 11.2 Information on other hazards

### Endocrine disrupting properties with respect to humans

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

### Experience in practice

Inhalation may lead to irritation of the respiratory tract.

### Other information

The product has not been tested. The information is derived from the properties of the individual components.

Product specific toxicological data are not known.

When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### General information

not determined

#### Fish toxicity (Components)

##### sodium alkylbenzene sulfonate

Species	Bluegill ( <i>Lepomis macrochirus</i> )	
LC50	1 to 10	mg/l
Duration of exposure	96 h	

##### decan-1-ol, ethoxylated

Species	golden orfe ( <i>Leuciscus idus</i> )	
LC50	> 100	mg/l
Duration of exposure	96 h	
Method	DIN 38412 / Part 15	

##### disodium metasilicate

Species	zebra fish ( <i>Brachydanio rerio</i> )	
LC50	210	mg/l
Duration of exposure	96 h	

#### Daphnia toxicity (Components)

##### sodium alkylbenzene sulfonate

Species	Daphnia magna	
EC50	> 10	mg/l
Duration of exposure	48 h	

##### decan-1-ol, ethoxylated

EC50	> 100	mg/l
Duration of exposure	48 h	
Method	DIN 38412 / Part 11	

#### Algae toxicity (Components)

##### sodium alkylbenzene sulfonate

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

##### decan-1-ol, ethoxylated

Species	Scenedesmus subspicatus	
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EC50	>	100	mg/l
Duration of exposure		96	h
Method		DIN 38412 / Part 9	

## Bacteria toxicity (Components)

### decan-1-ol, ethoxylated

Species	activated sludge		
EC10	>	5000	mg/l

### disodium metasilicate

Species	activated sludge		
EC50	>	100	mg/l
Duration of exposure		3	h

## 12.2. Persistence and degradability

### General information

not determined

## 12.3. Bioaccumulative potential

### General information

not determined

### Partition coefficient n-octanol/water (log value)

Remarks not determined

## 12.4. Mobility in soil

### General information

not determined

## 12.5. Results of PBT and vPvB assessment

### Results of PBT and vPvB assessment

The product contains no PBT or vPvB substances.

## 12.6 Endocrine disrupting properties

### Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## 12.7. Other adverse effects

### General information

not determined

### General information / ecology

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

EWC waste code 20 01 29\* detergents containing dangerous substances  
Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

#### Disposal recommendations for packaging

EWC waste code 15 01 02 plastic packaging

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Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

Completely emptied packagings can be given for recycling.

## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
<b>14.1. UN number or ID number</b>	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

### Information for all modes of transport

#### 14.6. Special precautions for user

See Sections 6 to 8

### Other information

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information \*\*\*

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

#### Ingredients (Regulation (EC) No 648/2004)

##### 5 % or over but less than 15 %:

anionic surfactants

##### less than 5 %: \*\*\*

non-ionic surfactants

##### Further ingredients \*\*\*

perfumes, (R)-p-mentha-1,8-diene

#### Water Hazard Class (Germany)

Water Hazard Class (Germany) WGK 2

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

#### 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

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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

Skin Irrit. 2 H315  
Eye Dam. 1 H318

### Hazard statements listed in Chapter 2/3

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H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

## CLP categories listed in Chapter 2/3

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
Met. Corr. 1	Substance or mixture corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion, Category 1A
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

## Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses  
IMDG: International Maritime Code for Dangerous Goods  
ICAO: International Civil Aviation Organization  
IATA: International Air Transport Association  
IBC: Intermediate Bulk Container  
CAS: Chemical Abstracts Service  
VOC: Volatile Organic Compound  
LD: Lethal dose  
LC: Lethal concentration  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very persistent and very bioaccumulative  
SVHC: Substances of very high concern  
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 (MARPOL: Marine Pollution)  
ISO: International Organization for Standardization  
OECD: Organisation for Economic Co-operation and Development  
IMO: International Maritime Organization  
UN: United Nations  
EU: European Union

## 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.