

# SAFETY DATA SHEET (EC 1907/2006)

TEGO CARE CG 90

Version: **1.7 / GB** VA-No.  
Revision date: **10.04.2018**  
Issue date: 12.12.2013  
replaces version: 1.6  
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name : TEGO CARE CG 90  
Chemical Name : Cetearyl polyglycoside

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

Relevant applications identified : OW emulsifier for cosmetic formulations  
Applications which are not advised : None known.

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

Company : Evonik Nutrition & Care GmbH  
Goldschmidtstr. 100  
D-45127 Essen  
Telephone : +49 (0)201 173-01  
Telefax : +49 (0)201 173-3000  
E-mail : productsafety-cs@evonik.com

### 1.4. Emergency telephone number

+49 (0)2365 49-2232 (TUIS - Interpreting service available)  
+49 (0)2365 49-4423 (TUIS - Fax)

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not a hazardous substance or mixture.

### 2.2. Label elements

Not a hazardous substance or mixture.

### 2.3. Other hazards

None known

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## SECTION 3: Composition/information on ingredients

Cetearyl polyglycoside

### 3.1. Substances

No hazardous ingredients

### 3.2. Mixtures

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- General advice : Remove soiled or soaked clothing immediately
- Inhalation : Ensure supply of fresh air.  
In the event of symptoms take medical treatment.
- Skin contact : In case of contact with skin wash off with soap and water.  
In the event of symptoms seek medical advice.
- Eye contact : In case of contact with eyes rinse thoroughly with water.  
In the event of symptoms seek medical advice.
- Ingestion : Rinse out mouth and give plenty of water to drink.  
In the event of symptoms seek medical advice.

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

- Symptoms : No special hints.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : foam, carbon dioxide, dry powder, water spray.
- Unsuitable extinguishing media : Full water jet

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

In the event of fire the following can be released:  
- carbon dioxide, carbon monoxide

### 5.3. Advice for firefighters

Do not inhale explosion and/or combustion gases  
Use self-contained breathing apparatus and wear protective suit

## SECTION 6: Accidental release measures

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

Use personal protective equipment.  
Ensure adequate ventilation.

### 6.2. Environmental precautions

Do not allow to enter drains or waterways  
Do not discharge into the subsoil/soil.

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

Remove mechanically. Take up residue with binding material (eg sawdust, sand, universal binder)  
Dispose of absorbed material in accordance with the regulations.

### 6.4. Reference to other sections

For further information on exposure monitoring and disposal see sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).  
Avoid the formation and deposition of dust.

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- Hygiene measures : Remove soiled or soaked clothing immediately.  
Wash hands before breaks and after work.  
Do not eat, drink or smoke when working.
- General protective measures : Do not inhale dust  
Avoid contact with eyes and skin

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

### Prevention of fire and explosion

- Information : Keep away from sources of ignition - no smoking  
Take precautionary measures against electrostatic loading.  
Dust can form an explosive mixture with air.
- Dust explosion class : explosible dusts

### Storage

- Information : none
- Further information on storage conditions : Keep container tightly closed and dry
- German storage class : 11

## 7.3. Specific end use(s)

No further recommendations.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit(s)

Ingredients	CAS-No.	Statutory basis/list (Update)	Value type (Form of exposure; Expressed as)	Value	Short-term
total dust (inert/nuisance dust)		TRGS 900 (2014)	---	1,25 mg/m3	
		TRGS 900 (2006)	---	10 mg/m3	2(II)

DNEL : No DNEL/DMEL values on file.

PNEC : No PNEC values on file.

### 8.2. Exposure controls

- Eye protection : This product is not classified as a hazardous substance. Any necessity for eye protection must be determined within the scope of a risk assessment.
- Hand protection : PVC gloves
- Body Protection : protective clothing
- Respiratory protection : in case of formation of vapours/dusts:  
Short term: filter apparatus, Filter P1

## SECTION 9: Physical and chemical properties

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

- Physical state : solid
- Form : Powder

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Colour : white to cream  
Odour : characteristic  
Odour Threshold : not measured  
  
pH : not applicable, delivered form  
  
Melting point : Slip point  
95 - 100 °C  
  
Boiling point : Boiling temperature  
Remarks: not applicable  
  
Flash point : > 160 °C  
Method: DIN EN 22719 (DIN 51758)  
  
Evaporation rate : not measured  
  
Flammability : no data available  
  
Upper Explosion/Ignition Limit : not measured  
  
Lower explosion limit : not measured  
  
Vapour pressure : not applicable  
  
Relative vapour density : not measured  
  
Relative density : no data available  
  
Solubility(ies) : not measured  
  
Water solubility : emulsifiable  
  
Partition coefficient: n-  
octanol/water : not measured  
  
Autoignition temperature : not measured  
  
Thermal decomposition : approx. 170 °C  
  
Viscosity, kinematic : no data available  
  
Viscosity, dynamic : not applicable  
  
Explosive properties : not measured  
  
Oxidising properties : not measured  
  
Density : approx. 0,8 g/cm<sup>3</sup>  
(25 °C)

## 9.2. Other information

Bulk density : < 1 kg/m<sup>3</sup>

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Metal corrosion : not measured  
Ignition temperature : approx. 365 °C

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

see section "Possibility of hazardous reactions"

### 10.2. Chemical stability

The product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No hazardous reactions with proper storage and handling.  
Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.

### 10.4. Conditions to avoid

### 10.5. Incompatible materials

Unknown

### 10.6. Hazardous decomposition products

None with proper storage and handling.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : no data available

Acute toxicity (inhalation) : no data available

Acute toxicity (dermal) : no data available

Irritation/corrosion of the skin : no data available

Serious eye damage/ eye irritation : no data available

Respiratory/skin sensitization : no data available

Repeated dose toxicity : no data available

#### CMR assessment

Carcinogenicity : no data available

Mutagenicity : no data available

Teratogenicity : no data available

Toxicity to reproduction : no data available

Specific Target Organ Toxicity - Single exposure : no data available

Specific Target Organ Toxicity - Repeated exposure : no data available

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Aspiration hazard : No aspiration toxicity classification  
Other information : Proper use provided, no adverse health effects have been observed or have been come to our knowledge.

## SECTION 12: Ecological information

### Ecotoxicology Assessment

Acute aquatic toxicity : no data available

Chronic aquatic toxicity : no data available

### 12.1. Toxicity

Aquatoxicity, fish : no data available

Aquatoxicity, in vertebrates : no data available

Aquatoxicity, algae / aquatic plants : no data available

Toxicity in microorganisms : no data available

chronic toxicity in fish : no data available

Chronic toxicity in aquatic Invertebrates : no data available

Toxicity in organisms which live in the soil : no data available

Toxicity in terrestrial plants : no data available

Toxicity to Above-Ground Organisms : no data available

### 12.2. Persistence and degradability

Photodegradation : no data available

Biological degradability : no data available

Physico-chemical removability : no data available

Biochemical Oxygen Demand (BOD) : no data available

Chemical Oxygen Demand (COD) : no data available

relation of BOD/COD : no data available

Dissolved organic carbon (DOC) : no data available

Adsorbed organic bound : no data available

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halogens (AOX)

Distribution among environmental compartments : no data available

## 12.3. Bioaccumulative potential

Bioaccumulation : no data available

## 12.4. Mobility in soil

Environmental distribution : no data available

## 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment : no data available

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6. Other adverse effects

General Information : The product is considered to be a weak water pollutant (German law). Do not allow to enter soil, waterways or waste water canal.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product : In accordance with local authority regulations, take to special waste incineration plant

Contaminated packaging : If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

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## SECTION 14: Transport information

Not dangerous according to transport regulations.

14.1. UN number: --  
14.2. UN proper shipping name: --  
14.3. Transport hazard class(es): --  
14.4. Packing group: --  
14.5. Environmental hazards: --  
14.6. Special precautions for user: No

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## SECTION 15: Regulatory information

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

#### National legislation

Technical instructions on Air Quality : 5.2.1

Major Accident Hazard Legislation : not applicable

Water contaminating class (Germany) : slightly water endangering  
Classification acc. to German law

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Risk classification according to BetrSichV (Germany) : ---

Other regulations : none

## 15.2. Chemical safety assessment

Chemical safety assessment : No chemical safety assessment was carried out for this product.

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## SECTION 16: Other information

### List of references

Other information : Comply with national laws regulating employee instruction.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.



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**Legend**

<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ADN</b>	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
<b>ADNR</b>	European agreement concerning the international carriage of dangerous goods by inland waterways (ADN)
<b>ASTM</b>	American Society for Testing and Materials
<b>ATP</b>	Adaptation to Technical Progress
<b>BCF</b>	Bioconcentration factor
<b>BetrSichV</b>	German Ordinance on Industrial Safety and Health
<b>c.c.</b>	closed cup
<b>CAS</b>	Chemical Abstract Services
<b>CESIO</b>	European Committee of Organic Surfactants and their Intermediates
<b>ChemG</b>	German Chemicals Act
<b>CMR</b>	carcinogenic-mutagenic-toxic for reproduction
<b>DIN</b>	German Institute for Standardization
<b>DMEL</b>	Derived minimum effect level
<b>DNEL</b>	Derived no effect level
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>EC50</b>	half maximal effective concentration
<b>GefStoffV</b>	German Ordinance on Hazardous Substances
<b>GGVSEB</b>	German ordinance for road, rail and inland waterway transportation of dangerous goods
<b>GGVSee</b>	German ordinance for sea transportation of dangerous goods
<b>GLP</b>	Good Laboratory Practice
<b>GMO</b>	Genetic Modified Organism
<b>IATA</b>	International Air Transport Association
<b>ICAO</b>	International Civil Aviation Organization
<b>IMDG</b>	International Maritime Dangerous Goods
<b>ISO</b>	International Organization For Standardization
<b>LOAEL</b>	Lowest observed adverse effect level
<b>LOEL</b>	Lowest observed effect level
<b>NOAEL</b>	No observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>o. c.</b>	open cup
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>PBT</b>	Persistent, bioaccumulative, toxic
<b>PEC</b>	Predicted effect concentration
<b>PNEC</b>	Predicted no effect concentration
<b>REACH</b>	REACH registration
<b>RID</b>	Convention concerning International Carriage by Rail
<b>STOT</b>	Specific Target Organ Toxicity
<b>SVHC</b>	Substances of Very High Concern
<b>TA</b>	Technical Instructions
<b>TPR</b>	Third Party Representative (Art. 4)
<b>TRGS</b>	Technical Rules for Hazardous Substances
<b>VCI</b>	German chemical industry association
<b>vPvB</b>	very persistent, very bioaccumulative
<b>VOC</b>	volatile organic compounds
<b>VwVwS</b>	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
<b>WGK</b>	Water Hazard Class
<b>WHO</b>	World Health Organization