



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

### 1.1. Product identifier

**SENSOCEL<sup>®</sup>**

(SENSOCEL<sup>®</sup> 5/-10/-20/-30/-30G/-30S/-90/-100G/-100S/-150/-200/-200G/-400G)

INCI Name : Cellulose

CAS No.: 9004-34-6  
EC No.: 232-674-9  
INDEX No.: not relevant  
REACH No.: do not require registration

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

Relevant identified uses: The product is intended for professional use.

Uses advised against: not relevant

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

Supplier (manufacturer/importer/only representative/downstream user/distributor)

CFF GMBH + CO KG  
Arnstädter Str.2  
D 98708 Gehren  
Germany

Telephone: +49 (0) 36783 882 0  
Telefax: +49 (0) 36783 882 252

Information contact  
Information

Information telephone: +49 36783 882 0  
Information telefax: +49 36783 882 273  
E-mail (competent person): [Reach@cff.de](mailto:Reach@cff.de)  
Website: [www.cff.de](http://www.cff.de)

### 1.4. Emergency telephone number

Telephone: +49 (0)36783 882 277

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

not relevant

### 2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
not relevant

Classification according to Directive 67/548/EEC or 1999/45/EC  
not relevant

### 2.3. Other hazards

This material is combustible, but will not ignite readily.

The substance does not require registration according to Regulation (EC) No 1207/2006 [REACH].

## SECTION 3: Composition / information on ingredients

### 3.1. Substances

Substance related information  
Cellulose  
CAS-No.: 9004-34-6  
EC-No.: 232-674-9  
Index-No.: not relevant

### 3.2. Mixtures

#### Composition/information on ingredients

| Substance:   | EC-no.:      | CAS-No.:     | INDEX no.:   | REACH-no.:   | Concentration: | Classification:<br>EC 1272/2008(CLP): | Classification:<br>67/548/EEC: |
|--------------|--------------|--------------|--------------|--------------|----------------|---------------------------------------|--------------------------------|
| not relevant | not relevant | not relevant | not relevant | not relevant | not relevant   | not relevant                          | not relevant                   |

#### Substance with a common (EC) occupational exposure limit value

| Substance:   | EC-no.:      | CAS-No.:     | INDEX no.:   | REACH-no.:   | Concentration: | Classification:<br>EC 1272/2008(CLP): | Classification:<br>67/548/EEC: |
|--------------|--------------|--------------|--------------|--------------|----------------|---------------------------------------|--------------------------------|
| not relevant | not relevant | not relevant | not relevant | not relevant | not relevant   | not relevant                          | not relevant                   |

(Full text of R-, H- and EUH-phrases: see section 16.)

#### Additional information

The substance does not require registration according to REACH.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information:** When in doubt or if symptoms are observed, get medical advice.  
**Following inhalation:** Provide fresh air.  
**Following skin contact:** not relevant  
**After eye contact:** Rinse immediately carefully and thoroughly with eye-bath or water.  
Seek medical attention if problems persist.  
**After ingestion:** If major quantities of dust are swallowed or inhaled, immediately drink:  
Water.

**Self-protection of the first aider:** not relevant

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

**Symptoms:** No symptoms known up to now.  
**Nature of Hazard:** not relevant

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

**Notes for the doctor:** Treat symptomatically.  
**Special treatment:** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media:** Water. Carbon dioxide (CO<sub>2</sub>). Foam. Dry extinguishing powder.  
**Unsuitable extinguishing media:** High power water jet.

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

Can be released in case of fire: Carbon monoxide. Carbon dioxide.

### 5.3. Advice for firefighters

#### General information

Danger of dust explosion.

#### Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Fire class A (Fires of solids, mainly organic nature, which normally burn down under glow forming).

## SECTION 6: Accidental release measures

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

For non-emergency personnel:

Avoid generation of dust.

For emergency responders:

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Avoid generation of dust.

See protective measures under point 7 and 8.

### 6.2. Environmental precautions

No special environmental protection measures are necessary.

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

Take up mechanically.

Avoid generation of dust.

Do not use a dry brush as dust clouds or static can be created.

### 6.4. Reference to other sections

Disposal: see section 13.

Personal protection equipment: see section 8

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advices on safe handling

In case of open handling, use devices with built-in suction where possible.

It is recommended to organize all working processes in order to exclude the following:

Inhalation of dust/particles

#### Technical measures

Measures to prevent aerosol and dust accumulation:

Provide for sufficient ventilation and punctiform suction at critical points.

Dust should be vacuumed up immediately at the place it occurs.

#### Precautions against fire and explosion

Product is: Combustible.

Explosive dust-air mixtures may form.

Keep away from hot surfaces.

Before opening the container prepare fire extinguisher.

#### Additional information

Recommendations for handling:

- 210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. - No smoking.  
240 Ground/bond container and receiving equipment.  
241 Use explosion-proof electrical/ventilating/lighting/.?/ equipment.  
280 Wear protective gloves/protective clothing/eye protection/face protection.

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

### Technical measures and storage conditions

not relevant

### Packaging materials

not relevant

### Requirements for storage rooms and vessels

not relevant

### Hints on joint storage

not relevant

**Storage class:** 11 Combustible solids.

### Further information on storage conditions

Protect against: moisture. Water.

Relative room humidity (%): not relevant

Storage temperature: not relevant

Storage stability: at least 5 years

Maximum period of storage (time): not relevant

## 7.3. Specific end use(s)

not relevant

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit value

| Substance: | CAS-No.:  | Source: | Occupational exposure limit value:   | Limitation of exposure peaks: | Remark:        |
|------------|-----------|---------|--|-------------------------------|----------------|
| Cellulose  | 9004-34-6 | GESTIS  | 10 mg/m <sup>3</sup>   |                               | OEL AU         |
| Cellulose  | 9004-34-6 | GESTIS  | 10 mg/m <sup>3</sup>   |                               | OEL CA-Ontario |
| Cellulose  | 9004-34-6 | GESTIS  | 10 mg/m <sup>3</sup><br>inhalable aerosol<br>4 mg/m <sup>3</sup><br>respirable aerosol   |                               | OEL GB         |
| Cellulose  | 9004-34-6 | GESTIS  | 10 mg/m <sup>3</sup><br>Inhalable fraction<br>4 mg/m <sup>3</sup><br>respirable fraction |                               | OEL IE         |
| Cellulose  | 9004-34-6 | GESTIS  | 10 mg/m <sup>3</sup>   |                               | OEL NZ         |
| Cellulose  | 9004-34-6 | GESTIS  | 10 mg/m <sup>3</sup><br>total dust<br>5 mg/m <sup>3</sup><br>respirable aerosol          |                               | OEL US – NIOSH |
| Cellulose  | 9004-34-6 | GESTIS  | 15 mg/m <sup>3</sup><br>total dust<br>5 mg/m <sup>3</sup><br>respirable dust             |                               | OEL US - OSHA  |

#### Substance with a common (EC) occupational exposure limit value

| Substance:   | CAS-No.:     | Source:      | Occupational exposure limit value: | Limitation of exposure peaks: | Remark:      |
|--------------|--------------|--------------|------------------------------------|-------------------------------|--------------|
| not relevant | not relevant | not relevant | not relevant                       | not relevant                  | not relevant |

### DNEL-/PNEC-values

#### DNEL value

| Substance:   | CAS-No.:     | DNEL/DMEL    | Industry     | Professional | consumer     |
|--------------|--------------|--------------|--------------|--------------|--------------|
| not relevant | not relevant | not relevant | not relevant | not relevant | not relevant |

#### PNEC Value

| Substance:   | CAS-No.:     | PNEC         | Worker, industry | Worker, professional | consumer     |
|--------------|--------------|--------------|------------------|----------------------|--------------|
| not relevant | not relevant | not relevant | not relevant     | not relevant         | not relevant |

#### Risk management measures according to used control banding approach

not relevant

#### Additional information

not relevant

## 8.2. Exposure controls

#### Occupational exposure controls

Respiratory protection necessary at: Dust formation.

#### General protection and hygiene measures

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

#### Personal protection equipment

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

#### Respiratory protection

Suitable respiratory protective equipment: half-mask with filter according to EN 149.

Half-face mask or quarter face piece: maximum use concentration for substances with exposure limits:

P1 filter: up to a max. of 4 times the exposure limit.

P2 filter: up to a max. of 10 times the exposure limit.

P3 filter: up to a max. of 30 times the exposure limit.

Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

The filter class must be suitable for the maximum contaminant concentration

(gas/vapour/aerosol/particulates) that may arise when handling the product.

If the concentration is exceeded, self-contained breathing apparatus must be used.

#### Hand protection

Hand protection: not required.

#### Eye/face protection

Dust protection goggles.

#### Body protection

Skin protection: not required.

#### Environmental exposure controls

Refer to chapter 7. No further action is necessary.

#### Consumer exposure controls

not relevant

#### Exposure Scenario

not relevant

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Physical state:** Powder  
**Colour:** white  
**Odour:** odourless  
**Odour threshold:** not relevant

#### Safety relevant basis data

| Parameter   |                | unit                                   | remark                   |
|---|----------------|--|--------------------------|
| <b>Density:</b>                                   | approx.<br>1.5 | g/cm <sup>3</sup><br>kg/m <sup>3</sup> |                          |
| <b>Bulk density:</b>                              |                |  | see technical data sheet |
| <b>pH:</b>  | 5.0 - 7.5      |  |                          |
| <b>Melting point/freezing point:</b>              |                |  | not applicable           |
| <b>Initial boiling point and boiling range:</b>   |                |  | not applicable           |
| <b>Flash point:</b>                               |                |  | not determined           |
| <b>Flammability (solid, gas):</b>                 |                |  | not relevant             |
| <b>Explosivity:</b>                               |                |  | Dust explosive           |
| <b>Lower explosion limit:</b>                     | 30             | g/m <sup>3</sup>                       |                          |
| <b>Upper explosion limit:</b>                     | 11000          | g/m <sup>3</sup>                       |                          |
| <b>Ignition temperature:</b>                      | ~500           | °C                                     |                          |
| <b>Decomposition temperature:</b>                 | approx.<br>200 | °C                                     |                          |
| <b>Oxidizing potential:</b>                       |                |  | not oxidizing.           |
| <b>Vapour pressure:</b>                           |                |  | not applicable           |
| <b>Vapour density:</b>                            |                |  | not applicable           |
| <b>Evaporation rate:</b>                          |                |  | not applicable           |
| <b>Water solubility:</b>                          |                |  | insoluble                |
| <b>Fat solubility:</b>                            |                |  | insoluble                |
| <b>Soluble in:</b>                                |                |  | not relevant             |
| <b>Partition coefficient<br/>n-octanol/water:</b> |                |  | not applicable           |
| <b>Viscosity:</b>                                 |                |  | not applicable           |
| <b>Solvent separation test:</b>                   |                |  | not applicable           |
| <b>Solvent content:</b>                           |                |  | not relevant             |

## 9.2. Other information

Dust explosion category: St 1  
Minimum ignition energy in mJ: 30  
Minimum ignition temperature of a dust cloud in °C: 400  
Flammability and burning behaviour of dust layers: burning number (BZ) 5  
Minimum ignition temperature of a 5 mm dust layer (glowing temperature):  $\geq 330$  °C  
Maximum explosion pressure in bar:  $< 9.5$   
KSt-value (bar x m/s):  $< 200$

The product has not been tested.  
The statement is derived from products of similar composition.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

not relevant

### 10.2. Chemical stability

not relevant

### 10.3. Possibility of hazardous reactions

Decomposition takes place from temperatures above: approx. 200 °C

#### 10.4. Conditions to avoid

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

#### 10.5. Incompatible materials

not relevant

#### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

#### Additional information

not relevant

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

not relevant

##### Acute toxicity

| Substance:   | CAS-No.:     | Toxicological information |
|--------------|--------------|---------------------------|
| not relevant | not relevant | not relevant              |

##### Specific symptoms in laboratory animals

not relevant

##### Irritation and etching

Irritant effect on the skin

Not an irritant.

Irritant effect on the eye

Not an irritant.

Irritant effect on the respiratory tract

Not an irritant.

Caustic effect

not corrosive

##### Sensitization

no danger of sensitization.

##### Repeated dose toxicity (subacute, subchronic, chronic)

not relevant

##### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

not relevant

Germ cell mutagenicity

not relevant

Reproductive toxicity

not relevant

##### General remarks

not relevant

##### Practical experience/human evidence

not relevant

##### Other observations

not relevant

#### Other information

Mechanical action of the product (e.g. unwanted adherence) may cause damages.

## SECTION 12: Ecological information

### 12.1. Toxicity

not relevant

#### Eco toxicity

| Substance:   | CAS-No.:     | Eco toxicity |
|--------------|--------------|--------------|
| not relevant | not relevant | not relevant |

### 12.2. Persistence and degradability

not persistent.

### 12.3. Bio accumulative potential

No indication of bio-accumulation potential.

### 12.4. Mobility in soil

not relevant

### 12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

### 12.6. Other adverse effects

not relevant

#### Further ecological information

According to the present state of knowledge negative ecological effects are not expected.

#### Further details

not relevant

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Appropriate disposal/Product

Waste disposal according to official state regulations.

#### Appropriate disposal / Package

Completely emptied packing can be recycled.

#### List of proposed waste codes/waste designations in accordance with EWC

**Waste code product:** 03 03 99 - wastes not otherwise specified

**Waste code packaging:** 15 01 06 - mixed packaging

#### Remark

According to EWC, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

## SECTION 14: Transport information

### 14.1. UN number

not relevant



#### 14.2. UN proper shipping name

not relevant

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

not relevant

#### 14.4. Packing group

not relevant

#### 14.5. Environmental hazards

not relevant

#### 14.6. Special precautions for user

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

**Remark:** Not a hazardous material with respect to these transportation regulations.

##### Sea transport (IMDG)

**Remark:** Not a hazardous material with respect to these transportation regulations.

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

**Remark:** Not a hazardous material with respect to these transportation regulations.

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

**Remark:** not relevant

### SECTION 15: Regulatory information

#### Labeling

##### Hazardous component(s) for labelling

not relevant

##### Special labelling of particular preparations

not relevant

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

##### EU legislation

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

not relevant

Regulation (EC) No 2037/2000 concerning materials, which cause damage to the ozone layer.

not relevant

Regulation (EC) No. 648/2004 (Detergents regulation)

not relevant

##### National regulations

Observe in addition any national regulations!

##### Restrictions of occupation

not relevant

##### Storage class

11 Combustible solids.

**Water hazard class (WGK)**

not a water pollutant (nwg)

**Other regulations, restrictions and prohibition regulations**

not relevant

## 15.2. Chemical Safety Assessment

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

## SECTION 16: Other information

**Relevant R-, H- and EUH-phrases (Number and full text)**

not relevant

**Training advice**

not relevant

**Recommended restrictions of use**

not relevant

**Further remarks**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge.

The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal.

The information cannot be transferred to other products.

In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

**Documentation of changes**

| Data changed from previous versions

**Key literature references and sources for data**

Data arise from reference works and literature.

GESTIS- substances data base

Directive 67/548/EEC

Directive 1999/45/EC

Regulation (EC) 1272/2008 (CLP)

**Abbreviations and acronyms**

EWC = European Waste Catalogue