deffner & Johann

Supplies for RESTORATION | CONSERVATION | ART HANDLING – SINCE 1880

SAFETY DATA SHEET

4242000 | 4242020 | ARBOCEL® BC 200, medium-length fibre (0.3 mm)

info@deffner-johann.de | +49 (0)9723 9350-0

The information provided in this Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

deffner & Johann

Safety Data Sheet according to Regulation (EU) No. 830/2015

Version: 8 Revision date: 30.07.2020

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

1.1. Product identifier

ARBOCEL BC 200

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)
Deffner & Johann GmbH

Mühläckerstr. 13
D 97520 Röthlein
Germany

Telephone: +49 9723 9350-0
Telefax: +49 7967 152 222

Information contact
Information

E-mail: info@deffner-johann.de
Website: www.deffner-johann.de

1.4. Emergency telephone number

Telephone:www.deffner-johann.de

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Regulation (EC) No 1272/2008: not relevant

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

2.3. Other hazards
This material is combustible, but will not ignite readily.
In case of fire may be liberated: Carbon monoxide. Carbon dioxide.
Danger of dust explosion.
Damage can be caused through mechanical influence of the product (e.g. sticking).

SECTION 3: Composition / information on ingredients

3.1. Substances
Cellulose
CAS No.: 9004-34-6
EC No.: 232-674-9
INDEX No.: not relevant

3.2. Mixtures
Composition/information on ingredients
not relevant

Substance with a common (EC) occupational exposure limit value
not relevant

(Full text of 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. In case of eye irritation consult an ophthalmologist.
After ingestion: not relevant

Self-protection of the first aider: not relevant

4.2. Most important symptoms and effects, both acute and delayed
Symptoms: No known symptoms to date
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. Foam. Dry extinguishing powder.
Unsuitable extinguishing media: High power water jet.

5.2. Special hazards arising from the substance or mixture
In case of fire may be liberated: 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 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
If handled uncovered, arrangements with local exhaust ventilation should be used if possible.
It is recommended to design all work processes always so that the following is excluded:
Inhalation of dust/particles

Technical measures
Measures to prevent aerosol and dust generation:
Provide adequate ventilation as well as local exhaustion at critical locations.
Dust should be exhausted directly at the point of origin.

Precautions against fire and explosion
The product is: Combustible.
Danger of dust explosion.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Have fire-extinguishers in readiness before opening containers.

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
Storage class: 11 Combustible solids.

Further information on storage conditions
Protect against: Humidity
Storage temperature: Do not expose to temperatures exceeding 50°C/122°F.
Relative air humidity (%): not relevant
Storage stability: at least 5 years
Maximum storage period (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:	Long-term occupational exposure limit value:	Short-term occupational exposure limit value:	Remark:
Cellulose	9004-34-6	GESTIS	10 mg/m³		OEL AU
Cellulose	9004-34-6	GESTIS	10 mg/m³		OEL CA - Ontario
Cellulose	9004-34-6	GESTIS	10 mg/m³ inhalable aerosol 4 mg/m³ respirable aerosol		OEL GB
Cellulose	9004-34-6	GESTIS	10 mg/m³ Inhalable fraction 4 mg/m³ respirable fraction		OEL IE
Cellulose	9004-34-6	GESTIS	10 mg/m³		OEL NZ
Cellulose	9004-34-6	GESTIS	10 mg/m³ total dust 5 mg/m³ respirable aerosol		OEL US - NIOSH
Cellulose	9004-34-6	GESTIS	15 mg/m³ total dust 5 mg/m³ respirable dust		OEL US - OSHA

Substance with a common (EC) occupational exposure limit value
not relevant

DNEL-/PNEC-values
DNEL value
not relevant

PNEC Value
not relevant

Risk management measures according to used control banding approach
not relevant

Additional information
not relevant

8.2. Exposure controls

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

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

Personal protection equipment
Respiratory protection necessary at: Dust formation.

Respiratory protection
Suitable respiratory protection apparatus: Filtering Half-face mask (DIN 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.
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 is not required

Eye/face protection
Dust protection eye glasses.

Body protection
not applicable.

Environmental exposure controls
See chapter 7. No additional measures 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
Density:	~	1.5	g/cm³	
Bulk density:		20 - 330	g/L	
pH:		5 - 8		
Melting point/freezing point:				not applicable
Initial boiling point and boiling range:				not applicable
Flash point:				not determined
Flammability (solid, gas):				not relevant
Explosivity:				Dust explosive
Lower explosion limit:		30	g/m³	
Upper explosion limit:		11 000	g/m³	
Ignition temperature:				not determined
Decomposition temperature:	~	200	°C	
Oxidizing potential:				not oxidizing
Vapour pressure:				not applicable
Vapour density:				not applicable
Evaporation rate:				not applicable
Water solubility:				insoluble
Fat solubility:				insoluble
Soluble in:				not relevant
Partition coefficient:				
n-octanol/water:				not applicable
Viscosity:				not applicable
Solvent separation test:				not applicable
Solvent content:				not relevant

9.2. Other information

Dust explosion category: St 1
Minimum ignition energy in mJ: > 30
Minimum ignition temperature of a dust cloud (°C): ≧ 400
Flammability and burning behaviour of dust layers: combustion rate (BZ) 5
Minimum ignition temperature of a 5 mm dust layer (glowing temperature): ≧ 330 °C
Maximum explosion pressure in bar: ≦ 9.5
KSt-value in bar m s-1: ≦ 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
not relevant

10.4. Conditions to avoid
Decomposition takes place from temperatures above: ~ 200 °C

10.5. Incompatible materials
not relevant

10.6. Hazardous decomposition products
In case of fire may be liberated: 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
not sensitising

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
Damage can be caused through mechanical influence of the product (e.g. sticking).

Practical experience/human evidence
not relevant

Other observations
not relevant

Other information
not relevant

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 bioaccumulation 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
Dispose of waste according to applicable legislation.

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
The allocation of waste identity numbers/waste descriptions must be carried out according to the EWC, specific to the 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: No dangerous good in sense of this transport regulation.

Sea transport (IMDG)
Remark: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI / IATA-DGR)
Remark: No dangerous good in sense of this transport regulation.

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)
non- hazardous to water (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 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 compared with the previous version

Key literature references and sources for data
Data arise from reference works and literature.
GESTIS- substances data base
Regulation (EC) 1272/2008 [CLP]

Abbreviations and acronyms
EWC = European Waste Catalogue