

## **SAFETY DATA SHEET**

Date of Issue 11 October 2022 GIS-00004 Version 1.0

New

# SECTION 1 - Identification of the Substance/Mixture and of the Company / Undertaking

#### 1.1. Product Identifier

Product name(s): Pall Seitz FH-1500 Cellulose fine fibres

Example Part Number(s): See Addendum 1

(For additional local descriptions and part numbering codes please see Addendum 1)

ECHA REACH registration number: Substance does not require REACH registration according to

Annex IV and V

CAS number: 9004-34-6

EC number: 232-674-9

UFI number; Not Applicable

Country of Origin: Germany

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

The FH-1500, cellulose fibre, filter aid material detailed above is intended for food and beverage processing applications. For professional use only in line with Pall instructions for use.

For further information on Pall products, please visit Pall at <a href="https://www.pall.com/en/about-pall.html">https://www.pall.com/en/about-pall.html</a>

# 1.3 Details of the supplier of the safety data sheet

Supplier: Pall Filtersystems GmbH

Planiger Str. 137

D-55543 Bad Kreuznach

Germany

Contact: Tele: +49(0)67188763819

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## 1.4 Emergency Telephone Number

National advisory centre / Poison Centre: n/a for Germany

Other: CHEMTREC, US: 1-800-424-9300

CHEMTREC, International: +1703-527-3887

#### **SECTION 2 - Hazards Identification**

Product definition: FH-1500 Cellulose fine fibres

#### 2.1 Classification of the substance or mixture

Not classified

#### 2.2 Label elements

# <u>Labelling according to Regulation (EC) No. 1272/2008 [CLP]</u>

Hazard statements (CLP): Not classified

Precautionary statements (CLP): Not classified

Special packaging requirements: Not applicable

# 2.3 Other hazards

This substance/mixture does not contain components in concentrations of 0.1% or higher, which are classified as either persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB).

This material is combustible but will not ignite readily. In case of fire may be liberated: Carbon monoxide. Carbon dioxide. Danger of dust explosion.

Adverse physicochemical, human health and environmental effects None known

Other hazards which do not result in classification:

None known

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#### **SECTION 3 - Composition / Information on Ingredients**

**3.1** The filter aids detailed in Section 1 are comprised of the following materials:

Chemical Name	EC Number	CAS Number	Percentage in Composition	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Cellulose	232-674-9	9004-34-6	100%	Not classified

Product is supplied packaged in Polypropylene bags and Soluble cellulose bags.

Full text of H-statements: see section 16

#### 3.2. Mixtures

Not applicable

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# **SECTION 4 - First Aid Measures**

#### 4.1 First aid measures

<u>General:</u> Call a poison centre or doctor if you feel unwell.

Eve Contact: Rinse carefully with plenty of water with the eyelids held wide open. Remove

contact lenses, if present and easy to do. Continue rinsing. If eye irritation

persists, seek medical advice/attention.

Inhalation: Remove the victim from the contaminated area and make them breathe

fresh air. If symptoms persistent seek medical advice.

Skin Contact: Wash with soap and plenty of water. Seek medical advice if an irritation

appears.

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Ingestion: If the person is conscious, rinse mouth with water. If you feel unwell, seek

medical advice.

Protection of first aiders: No action shall be taken involving any personal risk or without suitable

training.

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

None known

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

Treat symptomatically

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#### **SECTION 5 - Fire Fighting Measures**

# 5.1 Extinguishing media

<u>Suitable extinguishing media</u>: Flammable product - Water spray jet. Carbon dioxide. Foam.

Extinguishing powder.

Use appropriate means to fight fires in the vicinity.

<u>Unsuitable extinguishing media</u>: Full waterjet

## 5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in the event of fire: In case of fire may be liberated:

Carbon dioxide. Carbon monoxide.

## 5.3 Advice for firefighters

<u>Precautionary measures fire</u>: Keep unprotected and unauthorised persons away from the

danger area.

Danger of dust explosion.

Fire class A (Fires of solids, mainly organic nature, which normally

burn down under glow forming).

<u>Protection in the event of a fire:</u> Do not enter the danger zone without suitable chemical

protection clothing and self-contained breathing apparatus

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# **SECTION 6 - Accidental Release Measures**

# 6.1 Personal precautions, protective equipment, and emergency procedures For non-emergency personnel

<u>Protective equipment</u>: Use personal protective equipment. Avoid generating and

inhaling dust.

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 detailed. However, it is advised to prevent the product entering the sewers.

#### 6.3 Methods and Materials for containment and cleaning up

Collect mechanically and remove without creating dust.

Keep in suitable closed containers and for disposal.

Avoid dispersion of the dust in the air. Do not use a dry brush as dust clouds or static can be created.

#### 6.4 Reference to other sections

For information on handling, see section 7.

For information on personal protective equipment, see section 8.

For information on disposal, see section 13.

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#### **SECTION 7 - Handling and Storage**

#### 7.1 Precautions for safe handling

Additional hazards when processed: Provide anti-dust equipment or method of unloading and

handling.

<u>Precautions for safe handling:</u> Do not eat, smoke, or drink in the work area.

Avoid dust formation. Avoid the accumulation of dust in confined

spaces.

Approved respiratory protective device and goggles

recommended (see section 8).

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

Hygiene measures: Avoid inhaling the dust. Wash hands thoroughly after use.

Wash hands after handling.

Remove contaminated clothing and protection equipment before

entering a place where food is served or consumed.

Do not eat, drink or smoke when using this product. Maintain

good industrial food hygiene.

<u>Technical measures</u>: Measures to prevent aerosol and dust generation:

Provide adequate ventilation as well as local exhaustion at critical

locations.

Avoid creation of a dust cloud and prevent dispersion by the

wind.

Dust should be exhausted directly at the point of origin.

<u>Precautions against fire and explosion:</u> 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.

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

Storage class: 11 Combustible solids

# Further information on storage conditions

<u>Protect against:</u> Humidity – do not get wet during storage and transportation <u>Storage conditions:</u> Keep the container tightly closed in a dry and well-ventilated area.

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Storage temperature: Do not expose to temperatures exceeding

50°C/122°F.

Storage stability: up to 5 years

Incompatible materials: Not known in intended food contact applications

<u>Packaging materials:</u>
Polypropylene bags.
Soluble cellulose bags.

# 7.3 Specific end use(s)

Filter aid for industrial, food processing applications

Pall recommends a visual inspection prior to use. Do not use if the product or packaging is damaged (please contact Pall for further advice).

Please also consult the Pall instructions for use information on the product prior to use.

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# **SECTION 8 - Exposure Controls/Personal Protection**

# **8.1 Control parameters** (information provided by substance manufacturer)

Occupation al exposure limit value Substance:	CAS Number:	Long-term occupational exposure limit value:	Short-term occupational exposure limit value:	Remark:
Cellulose	9004-34-6	10 mg/m³	-	OEL AU
Cellulose	9004-34-6	10 mg/m³	-	OEL CA - Ontario
Cellulose	9004-34-6	10 mg/m³ inhalable aerosol 4 mg/m³ respirable aerosol	20 mg/m³ inhalable aerosol	OEL GB
Cellulose	9004-34-6	10 mg/m³	-	OEL IE
Cellulose	9004-34-6	10 mg/m³	-	OEL NZ
Cellulose	9004-34-6	10 mg/m³ total dust 5 mg/m³ respirable aerosol	-	OEL US - NIOSH
Cellulose	9004-34-6	15 mg/m³ total dust 5 mg/m³ respirable dust	-	OEL US - OSHA

#### **8.2 Exposure controls** (information provided by substance manufacturer)

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Occupational exposure controls: Provide adequate ventilation as well as local exhaustion at critical

locations.

General protection and hygiene measures: Minimum standard for preventive measures while handling

with working materials are specified in the TRGS 500.

<u>Personal protection equipment:</u> Technical measures and the application of suitable work

processes have priority over personal protection equipment.

Respiratory protection: Respiratory protection necessary at: dust formation

Suitable respiratory protection apparatus: Filtering Half-face mask (DIN EN 149)

Half-face mask or quarter facepiece: 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.

<u>Hand protection:</u> Not required – gloves are recommended to maintain product

cleanliness and as requires by the area in which the material is

used.

<u>Eye/face protection:</u> Dust protection eyeglasses

Body protection: Not required

<u>Environmental exposure controls:</u> Refer to chapter 7. No further action is necessary.

<u>Consumer exposure controls:</u> For professional use only. Refer to chapter 7. No further action is

necessary

<u>Exposure Scenario:</u> Not required

## **SECTION 9 - Physical and Chemical Properties**

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

Physical state:	Solid
Appearance:	Fibres
Colour:	White
Odour:	Odourless
Odour threshold:	Not applicable

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pH-value:	5.0 – 8.0 ~10% suspension
Relative evaporation rate (butylacetate=1):	Not applicable
Melting point:	Not applicable
Freezing point:	No data available
Boiling point:	Not applicable
Flash point:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	200°C
Flammability (solid, gas):	Combustible material
Explosive limits:	Not applicable
Vapour pressure:	Not applicable
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Density:	~1,5 g/cm3
Solubility:	Insoluble in water
Log Pow:	Not applicable
Viscosity, kinematic:	Not applicable
Viscosity, dynamic:	Not applicable

# 9.2 Other Information (provided by manufacturer)

Dust explosion category: ST1

Minimum ignition energy (mJ):> 30

Minimum ignition temperature of a dust cloud (°C):≥ 400

Flammability and burning behaviour of dust layers: burning number (BZ) 5

Minimum ignition temperature of a 5 mm dust layer (glowing temperature) (°C): ≥ 330

Maximum explosion pressure (bar): ≤ 9.5

KSt-value (bar x m/s): ≤ 200 The product has not been tested.

Manufacturer's statement derived from products of similar composition.

#### SECTION 10 - Stability and Reactivity

# 10.1 Reactivity

Reactivity relating to the substances, containers, and contaminants to which the substance or mixture may be exposed during their transport, storage, and use: No data available.

#### 10.2 Chemical stability

The product is chemically stable in recommended conditions of use. Stability of the substance or mixture under normal and predictable storage and handling room conditions in terms of temperature and pressure: Chemically stable under standard room conditions (room temperature) see above for details of recommended storage conditions.

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#### 10.3 Possibility of hazardous reactions

No known hazardous reactions in the intended food contact applications.

#### 10.4 Conditions to avoid

Avoid generation of dust. Store protected from moisture (to retain the technical properties of the product). Decomposition takes place from temperatures above:  $\sim 200\,^{\circ}\text{C}$ 

# 10.5 Incompatible materials

None known in the intended food contact applications.

# 10.6 Hazardous decomposition products

Known dangerous decomposition products and products which may be reasonably predictable as such following use, storage, pouring and heating:

This product does not decompose under normal conditions of use in food contact applications-decomposition takes place from temperatures above: ~ 200 °C

Decomposition products in case of fire: consult section 5.2.

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#### **SECTION 11 - Toxicological Information**

The information in this section contains generic advice and guidance in respect of the unused filter as supplied. Consult SDS details of the product being filtered for specific advice and recommendations.

## **11.1** Information on toxicological effects (information supplied by manufacturer)

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified
Acute toxicity:	Not classified
CMR effects (carcinogenicity, mutagenicity, and toxicity for reproduction)	No indications of human carcinogenicity known.  No indications of human germ cell mutagenicity known.  No indications of human reproductive toxicity known.
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified

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STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified
Potential adverse human health effects and symptoms:	Not classified

#### 11.2 Information on likely routes of exposure

Dermal contact:	No data available.
Eyes contact:	In the event of contact with the eyes: irritation, in particular in the event of prolonged contact.
Inhalation:	Dust may cause respiratory irritation.
Ingestion:	No data available.

**SECTION 12 - Ecological Information** 

#### 12.1 Toxicity

Ecology – general:	No damage to the environment is expected under
	recommended conditions of use.

12.2 Persistence and degradability Not known to be persistent

12.3 Bioaccumulative potential No known bioaccumulation potential.

12.4 Mobility in soil - No additional information available

# 12.5 Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

12.6 Other adverse effects - No additional information available

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# **SECTION 13 - Disposal Information**

#### 13.1 Waste treatment methods

Waste treatment methods:	Recycle packaging materials wherever possible.  Used or contaminated product: must be disposed of taking into account the nature of all contaminants present.  In all cases:  Dispose of in accordance with applicable local / national legislation and regulations.
Additional information:	It is recommended to avoid or reduce waste production as much as possible.  The disposal of this product, solutions and by-products must be in accordance with applicable the user's legal requirements for environmental protection and waste disposal, and the requirements of all local authorities.  Dispose of materials using a licensed waste disposal contractor.  Recyclable / reuse products if possible.  Do not evacuate untreated waste into the sewers.  Dispose of used product and its container in line with the user's waste disposal procedures.  Handle uncleaned and non-rinsed containers with care. Empty containers or liners may retain product residues. Avoid dispersing spilled materials, as well as their leakage, through soil, waterways, drains and sewers.
Ecology - waste materials:	Avoid release to the environment.  The allocation of waste identity numbers/waste descriptions must be carried out according to the EWC, specific to the industry and process.  Waste code – product 03 03 99 – wastes  Waste code – packaging 15 01 06 - mixed packaging

# 13.2 Packaging

Bagging: Plastic (see section 3)

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled where suitable arrangements and facilities exist. Incineration or landfill should only be considered where re-cycling is not feasible.

## **SECTION 14 - Transport Information**

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The clean and un-used filter aid, as supplied in its original packaging, is not classified as dangerous goods under ADR, RID, IMDG or IATA regulations.

**14.1 UN-Number** Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR):

Proper Shipping Name (IMDG):

Proper Shipping Name (IATA):

Not applicable

Not applicable

14.3. Transport hazard class(es)

<u>adr</u>

Transport hazard class(es) (ADR): Not applicable

**IMDG** 

Transport hazard class(es) (IMDG): Not applicable

<u>IATA</u>

Transport hazard class(es) (IATA): Not applicable

14.4. Packing group

Packing group (ADR):

Packing group (IMDG):

Packing group (IATA):

Not applicable

Not applicable

14.5. Environmental hazards

Dangerous for the environment: No Marine pollutant: No

Other information: No supplementary information available

14.6. Special precautions for user

Special transport precautions: For information on handling, see section 7.

For information on personal protective equipment,

see section 8.

For information on disposal, see section 13.

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

Not applicable

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## **SECTION 15 - Regulatory Information**

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

#### **EU** legislation

Information on Regulation (EC) No 166/2006 establishing a European Pollutant Release and Transfer Register:

Regulation (EC) No. 1005/2009 on substances that lead to the

depletion of the ozone layer:

Regulation (EC) No. 648/2004 (Detergents regulation) Regulation (EU) No 649/2012 on the export and import of

dangerous chemicals:

Use restriction according to REACH annex XVII:

Not subject to the Regulation.

Not subject to the Regulation.

Not subject to the Regulation. Not subject to the Regulation.

None

**National regulations** 

**Restrictions of occupation** 

Storage class

Water hazard class (WGK)

None

11 Combustible solids.

non-hazardous to water (nwg)

#### Other regulations, restrictions and prohibition regulations

# 15.2 Chemical Safety Assessment

A chemical safety assessment has NOT been carried out

# **SECTION 16 - Other Information**

History:	REV 1.0
	New
Abbreviations and acronyr	ns:
ADN	European Agreement concerning the International Carriage
	of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage
	of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation
	(EC) No. 1272/2008

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DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
DPD	Dangerous Preparations Directive 1999/45/EC
DSD	Dangerous Substances Directive 67/548/EEC
EC50	Median effective concentration
IATA	International Air Transport Association
IARC	International Agency for Research on Cancer
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No. 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative
TLM	Median Tolerance Limit

Date of issue: January 18<sup>th</sup> 2023

Version: 1.0

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Final determination of suitability of any materials is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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Addendum 1 – Pall part numbers

FH 1500 cellulose fine fibres, part number 703

FH 1500 cellulose fine fibres 1 kg bags, part number 5800100

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