

SAFETY DATA SHEET

according to Regulation 1907/2006/EC (REACH)

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Substance name: wheat fiber

Trade name: UNICELL®: WF 30, WF 75, WF 90, WF100, WF 200, WF 500

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

Relevant identified uses: As a food ingredient and/or food fibre for bakery products, meat products, sauces, dietary drinks, dietary food products, convenience food and confectionery products.

Uses advised against: not known

1.3 Details of the supplier of the safety data sheet

InterFiber Sp. z o. o.

ul. Rzymowskiego 53,

02-697 Warszawa, Poland

Telephone: +48 22 548 01 27

e-mail of competent person: SDS@interfiber.com

1.4 Emergency Telephone: +48 22 548 01 27 (working hours: 8.00 – 16.00 CET)

2 HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

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

Not classified as hazardous

2.2 Label elements

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

Hazard pictograms:

none

Signal word:

none

Hazard statements:

none

Precautionary statements:

none

Supplemental Hazard Information (EU): Not applicable.

2.3 Other hazards

Data not available

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Description: wheat fiber

Composition of natural material:

Name	CAS No EC No Index No	Classification according to Regulation 1272/2008	Content [%]
Cellulose	9004-34-6 232-674-9 ---	Not classified	approx. 78
Hemicellulose	9034-32-6 --- ---	Not classified	approx. 21
Lignin	9005-53-2 232-682-2 ---	Not classified	< 1

4 FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 General information

Always follow safety precaution and GMP procedures. See information on product label.

4.1.2 Following inhalation

Remove casualty to fresh air and keep warm and at rest. Get medical advice if irritation develops.

4.1.3 Following skin contact

Wash with soap and water.

4.1.4 Following eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time then consult a doctor.

4.1.5 Following ingestion

If incidentally swallowed drink plenty of water.

4.1.6 Self-protection of the first aider

First aider: Pay attention to self-protection

4.2 Most important symptoms and effects, both acute and delayed

Due to dust form the material may cause mouth and throat irritation (soreness, dry or scratchy feeling, cough). After contact with eyes stinging, tearing, redness and swelling of eyes may occur.

4.3 Indication of any immediate medical attention and special treatment needed

Not expected to cause the need for immediate medical attention.

Notes for the doctor: treat symptomatically

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: water spray, foam, carbon dioxide

Unsuitable extinguishing media: strong water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: may produce toxic fumes of carbon monoxide if burning

5.3 Advice for firefighters

Special protective equipment for firefighters: use self-contained breathing apparatus; no special chemical protective clothing is needed

6 ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures****6.1.1 For non-emergency personnel**

Protective equipment: use personal protective equipment, see section 8

Emergency procedures: provide sufficient ventilation, control dust level

6.1.2 For emergency responders

Remove persons to safety. Isolate hazard area and deny entry. Ventilate closed space before entering. Use personal protective equipment, see section 8

6.2 Environmental precautions

Not applicable

6.3 Methods and material for containment and cleaning up

Collect mechanically, preferably with suitable vacuum cleaner. Avoid dust generation.

6.4 Reference to other sections

Personal protective equipment, see section 8

7 HANDLING AND STORAGE**7.1 Precautions for safe handling**

Protective measures:

Work only in well-ventilated areas or use proper respiratory protection. Handle and open container with care, avoid dust generation. Avoid contact with eyes.

Use fire and explosion protection. Not to be suspended in the presence of an ignition source. Avoid electrostatic charge when using product.

When using do not eat, drink, smoke, sniff.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry and ventilated place, protect against the influence of external factors.

Keep/store only in original containers.

Protect containers against damage

7.3 Specific end use(s)

Recommendations: observe instructions for use

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

No national occupational exposure limits established for wheat fiber.

Data for main component – cellulose (CAS: 9004-34-6):

Country	Limit Value – 8h	Limit Value – short term
European Union	---	---
Australia	10 ppm (inhalable dust*)	---
Belgium	10 ppm	---
Canada – Ontario	10 ppm	---
Canada - Québec	10 ppm	---
France	10 ppm (inhalable aerosol)	---
Ireland	10 (inhalable fraction) 4 (respirable fraction)	20 (inhalable fraction, 15 min.)
Latvia	2 ppm	---
New Zealand	10 ppm (inhalable dust*)	---
People’s Republic of China	10 ppm	---
Singapore	10 ppm	
South Korea	10 ppm	
Spain	10 ppm (inhalable aerosol)	
Switzerland	3 ppm (respirable aerosol)	
USA - NIOSH	10 ppm (total dust) 5 ppm (respirable aerosol)	
USA - OSHA	15 ppm (total dust) 5 ppm (respirable dust)	
United Kingdom	10 ppm (inhalable aerosol) 4 ppm (respirable aerosol)	20 ppm (inhalable aerosol)

*inhalable dust containing no asbestos and < 1% silica

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Ensure adequate ventilation.

Handle in accordance with good industrial hygiene and safety practice.

8.2.2 Personal protective equipment:

8.2.2.1 Eye and face protection

Use safety glasses with side shields or goggles.

8.2.2.2 Skin protection

Use protective gloves

8.2.2.3 Respiratory protection

Breath protection: take dust mask (FFP2) when dusty

TRGS 900 / TRGS 553: limit value for general dust

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	White to off-white powder
Odour	Odorless
Odour threshold	Substance is odorless
pH	5,0 – 8,0 (10% suspension)
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Dust: MIE=40 mJ; Pmax=0,9 MPa; Kst=8 Mpa m/s; qsp=18MJ/kg; smouldering temperature of dust layer 260°C
Upper/lower flammability or explosive limits	LEL (dust): 60g/m ³
Vapour pressure	Non-volatile
Vapour density	Non-volatile

Date of compilation: 11.03.2011

Date of the last revision: 6.10.2016

Version: 3.0

Relative density	Not applicable
Solubility	Not soluble in water
Partition coefficient n-octanol/water	Not applicable
Auto-ignition temperature	Approx. 450°C
Decomposition temperature	Approx. 200°C
Viscosity	Not applicable
Explosive properties	Weakly explosive dust (0 < Kst < 20 Mpa m/s)
Oxidizing properties	Non-oxidizing

9.2 Other information

None

10 STABILITY AND REACTIVITY

10.1 Reactivity

Data not available

10.2 Chemical stability

Chemically stable under recommended conditions of handling and storage.

10.3 Possibility of hazardous reactions

No hazardous reactions when handled and stored according to provisions.

Hazardous polymerization does not occur.

10.4 Conditions to avoid

Humidity

10.5 Incompatible materials

Avoid contact with concentrated acids and oxidants

10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

Hazardous gases (including organic crack products and carbon monoxide) are generated because of decomposition at temperatures >200°C.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effect

Acute toxicity:

No data for wheat fiber

Available data for main component – **cellulose (CAS 9004-34-6):**

LD50 (rat, oral) > 5000 mg/kg

LD50 (rabbit, dermal) > 2000 mg/kg

LC50 (rat, inhalation, 4h) = 5800 mg/m³

Skin corrosion/irritation: it is not known to cause skin irritation

Serious eye damage/irritation: dust may cause mechanical irritation

Respiratory or skin sensitisation: after inhalation symptoms of irritation or sensitization may occur

Germ cell mutagenicity: data not available

Carcinogenicity: data not available; contains no ingredients listed as carcinogen

Reproductive toxicity: data not available

Specific Target Organ Toxicity - single exposure: data not available

Specific Target Organ Toxicity - repeated exposure: chronic inhalation from cellulose-containing fibres can cause byssinosis
Aspiration hazard: data not available

12 ECOLOGICAL INFORMATION

Material is generally regarded as safe to the environment

12.1 Toxicity: Data not available

12.2 Persistence and degradability: Data not available

12.3 Bioaccumulative potential: Data not available

12.4 Mobility in soil: Data not available

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: Data not available

13 DISPOSAL CONSIDERATION

13.1 Waste treatment method

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste, or local regulations

WASTE CODES:

Material:

16 03 06 organic wastes other than those mentioned in 16 03 05, 16 03 80

Packaging:

15 01 01 paper and cardboard packaging

14 TRANSPORT INFORMATION

Not danger goods in the sense of transport regulations

14.1 UN number: not applicable

14.2 UN proper shipping name: not applicable

14.3 Transport hazard class(es): not applicable

14.4 Packing group: not applicable

14.5 Environmental hazard: not applicable

14.6 Special precautions for users: not applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
not applicable

15 REGULATORY INFORMATION

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

Not hazardous to waters (self-assessment)

15.2 Chemical safety assessment

Chemical safety assessment has not been conducted

16 OTHER INFORMATION

Indication of changes:

Revision of 14.01.2015: the whole document updated and adjusted to current requirements

Revision of 7.09.2015: additional trade forms (WF 30, WF 75) declared in p. 1.1.

Revision of 6.10.2016: information on classification according to Directive 67/548/EEC deleted from p. 2.1 and p. 3.1

Abbreviations and acronyms: and/or precautionary statements:

Approx. Approximately

CAS Chemical Abstract Service number

CLP Classification Labelling and Packaging Regulation

EC No European Chemical number (EINECS)

EINECS European Inventory of Existing Commercial Chemical Substances

GMP Good Manufacturing Practice

LC50 Lethal concentration 50%

LD50 Median lethal dose

PBT Persistent, Bioaccumulative and Toxic

REACH Registration, Evaluation, Authorisation and Registrations of Chemicals

SDS Safety Data Sheet

vPvB Very Persistent and Very Bioaccumulative

List of relevant hazard statements:

Not applicable

Training advice:

Substance should only be handled by trained operators

Additional information:

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 advice about the safe handling of the product named in this document, for storage, processing, transport and disposal. The information cannot be transferred to other products.