

SECTION 1: Identification**1.1 Product identifier**

Product name	5002 – 92% Highly Filled Oat Hull Cellulose Polymer Masterbatch
Product number	PR00548
Brand	Interfacial

1.2 Other means of identification

5002; 92% Highly Filled Oat Hull Cellulose Polymer Masterbatch; PR00548

1.3 Recommended use of the chemical and restrictions on use

Resin for extrusion or compounding.

1.4 Supplier's details

Name	Interfacial, LLC.
Address	N4660 1165th St. Prescott, WI 54021 United States

Telephone	715-781-0305
Fax	n/a
email	info@ifllc.com

1.5 Emergency phone number(s)

715-781-0305

SECTION 2: Hazard identification**2.1 Classification of the substance or mixture**

GHS classification in accordance with OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

No Hazardous components

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	If medical attention is sought, show this safety data sheet to the doctor in attendance. Provide general supportive measures and treat symptomatically.
If inhaled	Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Remove dusty or contaminated clothing. Wash with soap and water as a precaution. If symptoms persist, consult a physician.
In case of eye contact	Resin particles, like other inert materials, may be mechanically irritating to eyes. Rinse thoroughly with plenty of water. If symptoms persist, consult a physician.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Personal protective equipment for first-aid responders	Wear gloves and avoid inhalation of respirable dust.

4.2 Most important symptoms/effects, acute and delayed

Eye/skin contact with hot, or molten material may cause injury, including possible blindness/thermal burns. Ingestion may produce mild gastrointestinal irritation and disturbances.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treatment of exposure should be directed at the control of symptoms and the condition of the patient.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Avoid high pressure, direct water stream that may spread molten or burning resins.

5.2 Specific hazards arising from the chemical

At high temperatures, this material may emit various oligomers, waxes and oxygenated hydrocarbons, carbon oxides, and other organic vapors. Inhalation of these decomposition products may be irritating and/or hazardous.

5.3 Special protective actions for fire-fighters

In the event of fire, wear self-contained breathing apparatus for firefighting.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing dust, vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions

Discharge into the environment should be avoided.

6.3 Methods and materials for containment and cleaning up

Contain spill. Prevent entry into sewers and drains, underground or confined spaces, water intakes and waterways. Spilled product may create a slipping hazard.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle in properly designated containers or systems. Avoid contact with eyes or inhalation of dusts. Avoid uncontrolled sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated storage area (ideally a designated storage area).

Specific end use(s)

Apart from the uses mentioned in section 1.3 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Cellulose, natural fibers

PNOR (Inhalation): 5 mg/m³ Respirable fraction; 15 mg/m³ total particulates (OSHA)

2. Cellulose, natural fibers

PNOS (Inhalation): 3 mg/m³ Respirable fraction; 10 mg/m³ total particulates (dust) (ACGIH)

8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of workday.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Use eye protection which has been tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves should be inspected prior to use. Wash and dry hands after use.

Body protection

Wear protective clothing (such as long sleeved shirts and long pants) whenever molten material is present. Safety footwear with good traction is recommended to help prevent slipping.

Respiratory protection

If excess dust is present air-purifying respirators may be appropriate. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection (NIOSH N95, N99, or N100).

Thermal hazards

Use appropriate personal protective equipment when processing this material. Molten material may cause burns.

Environmental exposure controls

Prevent leakage or spillage if safe to do so.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Beige to tan pellets
Odor	None or Slight
Odor threshold	No data available
pH	No data available
Melting point/freezing point	155-185C
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	Negligible
Flammability (solid, gas)	No data available
Upper/lower flammability limits	No data available
Upper/lower explosive limits	No data available
Vapor pressure	Negligible
Vapor density	No data available
Relative density	No data available
Solubility(ies)	Insoluble in water
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	~250C
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under recommended storage and use conditions. This product is stable under normal use conditions for shock, vibration, pressure, and temperature.

10.3 Possibility of hazardous reactions

Keep away from uncontrolled incompatible materials (strong oxidizing agents and strong reducing agents). Organic solvents, acids, or bases may react with and/or degrade this product.

10.4 Conditions to avoid

Avoid processing material >250 °C.

10.5 Incompatible materials

Organic solvents, ether, gasoline, lubricating oils, chlorinated hydrocarbons, aromatic hydrocarbons, acids, or bases may react with and/or degrade this product.

10.6 Hazardous decomposition products

Upon high heating, this material may emit various oligomers, waxes, oxygenated hydrocarbons, carbon oxides, and other organic vapors. Inhalation of these decomposition products may be hazardous.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Product test data not available.

Skin corrosion/irritation

Product test data not available.

Serious eye damage/irritation

Product test data not available.

Respiratory or skin sensitization

Product test data not available.

Germ cell mutagenicity

Product test data not available.

Carcinogenicity

Product test data not available.

Reproductive toxicity

Product test data not available.

Summary of evaluation of the CMR properties

Product test data not available.

STOT-single exposure

Product test data not available.

STOT-repeated exposure

Product test data not available.

Aspiration hazard

Product test data not available.

Additional information

To the best of our knowledge, the chemical, physical, and toxicological properties of this material have not been thoroughly investigated.

SECTION 12: Ecological information

Toxicity

Product test data not available.

Persistence and degradability

Product is not likely to readily degrade in aquatic or terrestrial environments.

Bioaccumulative potential

Bioaccumulation of this material is not likely.

Mobility in soil

Mobility of this material in the terrestrial environment has not been evaluated.

Results of PBT and vPvB assessment

This material is not anticipated to be considered PBT (Persistent, Bioaccumulative, and Toxic) or vPvB (very persistent and very bioaccumulative).

Other adverse effects

Product test data not available.

SECTION 13: Disposal considerations**Disposal of the product**

Do not dispose of waste into sewer. Offer surplus and non-recyclable pellets/material to a licensed company for recycling or disposal.

Disposal of contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations specific for the product in question****Toxic Substances Control Act (TSCA) Inventory**

All components compliant

Canadian Domestic Substances List (DSL)

All components compliant

SARA Hazard Categories

Based on components:

Immediate Hazard - No

Delayed Hazard - No

Fire Hazard - No

Pressure - No

Reactivity - No

SARA 302 Components

This product does not contain SARA 302 hazard categorized chemicals.

SARA 311/312 Hazards

This product does not contain SARA 311/312 hazard categorized chemicals.

SARA 313 Components

This product does not contain chemicals with SARA 313 reporting requirements.

15.2 Chemical Safety Assessment

This material is non-reactive, chemically stable, and inert under recommended storage and use conditions. This material may be melted upon heating and thermal hazards may be associated with the molten material. Whole product human and ecological impacts of this material have not been tested, any classifications made have been based entirely on individual components.

HMIS Rating

Health	1
Flammability	1
Physical hazard	0
Personal protection	B

NFPA Rating

Health hazard	1
Fire hazard	1
Reactivity hazard	0
Special hazard	

SECTION 16: Other information

16.1 Further information/disclaimer

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