SAFETY DATA SHEET

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According to Regulation (EC) No 1907/2006

1. IDENTIFICATION

1.1 Product Identifier

Product Name : Natural Cocobristle
Product Description : Natural bristle fiber derived from coconut husk, intended for brush manufacturing and other suitable industrial applications.
Physical Form : Solid fibrous material
Product Type : Natural plant-derived fiber
Country of Origin : Indonesia

1.2 Recommended Use

Raw material for brush manufacturing and related industrial applications.

1.3 Supplier

PT JFN Agro Global
Indonesia

Website : jfn-agroglobal.com
Email : business@jfn-agroglobal.com
Telephone : +62-8964-3234-723

1.4 Emergency Contact

Emergency Telephone : +62-8788-8597-992

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2. HAZARD IDENTIFICATION

2.1 Classification

Natural Cocobristle is a natural plant-derived fibrous material. Based on its general characteristics, it is not expected to be classified as a hazardous substance or mixture under

normal intended use. A formal hazard classification has not been established for the finished product.

Mechanical handling, cutting, sorting, or processing of dry fibers may generate airborne dust or loose fibers.

2.2 Label Elements

GHS Classification **:** Not classified as hazardous based on available information.
Signal Word **:** None required based on available information.
Hazard Pictograms **:** None required based on available information.

2.3 Other Hazards

Airborne dust and loose fibers may cause temporary mechanical irritation to the eyes, skin, or respiratory tract.

Prolonged exposure to high concentrations of airborne dust should be avoided.

As a natural organic material, dry cocobristle may be combustible. Accumulations of fine organic dust may present a fire or dust explosion hazard under certain conditions.

Improper storage under excessive moisture may promote microbial growth and deterioration of product quality.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Natural Cocobristle is a natural lignocellulosic material obtained from coconut husk.

The product primarily consists of naturally occurring plant-derived fibers containing cellulose, hemicellulose, lignin, and other organic constituents.

Product Composition : Natural coconut husk fiber
Chemical Nature : Natural lignocellulosic material
CAS Number : Not assigned to the product as a whole
Hazardous Ingredients : No specific hazardous ingredients identified based on available product information.

No chemical additives or surface treatments are declared in this document. Any chemical treatment, coating, or additive must be assessed and disclosed where applicable.

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4. FIRST-AID MEASURES

Inhalation

Move the affected person to fresh air. If respiratory irritation persists or breathing difficulties occur, seek medical attention.

Eye Contact

Rinse cautiously with clean water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Skin Contact

Wash the affected area with soap and water. Remove contaminated clothing if necessary. Seek medical advice if persistent irritation occurs.

Ingestion

Rinse the mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical advice if discomfort occurs.

Most Important Symptoms

Possible temporary mechanical irritation of the eyes, skin, or respiratory tract due to contact with fibers or airborne dust.

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5. FIREFIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing media appropriate for the surrounding fire, including:

- Water spray or water fog
- Foam
- Dry chemical powder
- Carbon dioxide, where appropriate

Specific Hazards

Natural Cocobristle is an organic plant-derived material and may burn when exposed to sufficient heat or an ignition source.

Combustion may produce carbon monoxide, carbon dioxide, smoke, and other combustion products.

Fine airborne organic dust may create a combustible dust hazard under certain conditions.

Protective Equipment for Firefighters

Wear appropriate protective equipment and self-contained breathing apparatus where necessary.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid unnecessary generation of airborne dust. Ensure adequate ventilation during cleanup. Wear suitable protective equipment when handling loose fibers or dusty material.

Environmental Precautions

Prevent uncontrolled release of large quantities of material into drains or waterways where practical.

Cleanup Methods

Collect spilled material mechanically. Use suitable vacuum equipment with appropriate filtration where necessary.

Avoid dry sweeping or compressed air if these methods may disperse dust into the air.

Collected material may be reused if its cleanliness and quality remain suitable.

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7. HANDLING AND STORAGE

Handling

- Handle in a well-ventilated area.
- Avoid unnecessary generation of dust and airborne fibers.
- Avoid direct contact with the eyes.
- Wear suitable gloves when handling large quantities of loose fibers.
- Keep the material away from ignition sources.
- Maintain good housekeeping practices.
- Wash hands after handling.

Storage

Store in a:

- Clean area

- Dry area
- Cool location
- Well-ventilated environment

Protect the product from excessive moisture, contamination, direct sources of heat, and ignition sources.

Keep packaging in good condition and protect compressed bundles or bales from physical damage during storage.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Provide adequate general ventilation. Use local exhaust ventilation where significant amounts of airborne dust are generated.

Eye Protection

Safety glasses or protective eyewear should be used where exposure to dust or loose fibers is possible.

Hand Protection

Protective work gloves are recommended for prolonged handling or when handling coarse fibers.

Respiratory Protection

Where adequate ventilation cannot control airborne dust, use suitable particulate respiratory protection in accordance with applicable workplace requirements.

Skin Protection

Normal work clothing is generally sufficient for routine handling. Additional protective clothing may be used where necessary.

Hygiene Measures

Wash hands after handling. Do not eat, drink, or smoke in areas where the material is handled.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification / Information
Physical State	Solid
Physical Form	Fibrous material
Product Type	Natural plant-derived fiber
Appearance	Natural brown to dark brown bristle fibers
Odor	Characteristic natural plant-fiber odor
Color	Natural brown; may vary by batch
pH	Not applicable to the product as supplied
Moisture Content	≤ 15%
Solubility in Water	Insoluble
Flammability	Combustible organic material
Flash Point	Not determined
Vapor Pressure	Not applicable
Boiling Point	Not applicable
Melting Point	Not determined
Relative Density	Not determined
Auto-Ignition Temperature	Not determined
Decomposition Temperature	Not determined
Explosive Properties	Not determined; fine airborne organic dust may present a combustible dust hazard
Oxidizing Properties	Not determined

10. STABILITY AND REACTIVITY

Reactivity : No hazardous reaction is expected under normal handling and storage conditions.

Chemical Stability : Expected to be stable under recommended storage conditions.

Possibility of Hazardous Reactions : No hazardous reactions are expected under normal intended use.

Conditions to Avoid : Excessive heat, ignition sources, accumulation of airborne dust, and prolonged exposure to excessive moisture.

Incompatible Materials : Strong oxidizing agents should be avoided.

Hazardous Decomposition Products : Carbon monoxide, carbon dioxide, smoke, and other combustion products may be generated during combustion.

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11. TOXICOLOGICAL INFORMATION

No product-specific toxicological data are available for the finished product.

Acute Toxicity : No product-specific data available.

Skin Irritation : Mechanical irritation may occur due to contact with coarse fibers.

Eye Irritation : Loose fibers or airborne dust may cause temporary mechanical irritation.

Respiratory Irritation : Airborne dust may cause temporary respiratory irritation.

Respiratory Sensitization : No product-specific data available.

Skin Sensitization : No product-specific data available.

Germ Cell Mutagenicity : No product-specific data available.

Carcinogenicity : No product-specific data available.

Reproductive Toxicity : No product-specific data available.

Specific Target Organ Toxicity : No product-specific data available.

Aspiration Hazard : Not expected to be relevant to the solid fibrous product as supplied.

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12. ECOLOGICAL INFORMATION

Ecotoxicity

No product-specific ecotoxicity data are available.

Persistence and Degradability

As a natural plant-derived material, cocobristle is expected to biodegrade under suitable environmental conditions. The rate of degradation depends on environmental conditions and product processing.

Bioaccumulative Potential

No data available.

Mobility in Soil

The material may remain as organic fibrous matter and gradually decompose under suitable conditions.

Other Adverse Effects

Avoid uncontrolled release of large quantities into drains or waterways.

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13. DISPOSAL CONSIDERATIONS

Dispose of unused or contaminated material in accordance with applicable local, regional, and national regulations.

Where appropriate and permitted, clean natural cocobristle may be reused or directed to suitable material recovery or organic waste management processes.

Contaminated material should be assessed before reuse or disposal.

Packaging should be reused, recycled, or disposed of in accordance with applicable local regulations.

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14. TRANSPORT INFORMATION

UN Number : Not assigned based on available information.

UN Proper Shipping Name : Not applicable.

Transport Hazard Class : Not classified as dangerous goods based on available information.

Packing Group : Not applicable.

Environmental Hazards : No classification established based on available information.

Special Precautions for Transport : Protect the product from excessive moisture, contamination, physical damage, and ignition sources during transportation.

Transport classification should be confirmed against applicable regulations and the actual condition of the product.

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15. REGULATORY INFORMATION

This product is a natural plant-derived material and is not intentionally formulated as a hazardous chemical product.

Importers and customers should verify destination-country requirements relating to:

- Plant quarantine
- Agricultural imports
- Phytosanitary certification, where applicable
- Biosecurity requirements
- Import permits, where applicable
- Packaging and labeling
- Workplace safety and applicable local regulations

Requirements may vary according to the destination country, intended application, and product processing conditions.

No specific regulatory approval, certification, or compliance status is claimed in this document.

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16. OTHER INFORMATION

Abbreviations

GHS – Globally Harmonized System of Classification and Labelling of Chemicals
SDS – Safety Data Sheet
PPE – Personal Protective Equipment
UN – United Nations
CAS – Chemical Abstracts Service

Disclaimer

The information provided in this Safety Data Sheet is intended to provide general guidance regarding the safe handling, storage, transportation, and disposal of Natural Cocobristle.

The information is based on the general characteristics of natural coconut husk fiber and the product description available at the time of preparation.

Product properties may vary depending on raw material, processing methods, fiber selection, drying conditions, cleaning, packaging, and storage.

The supplier should verify the product characteristics and applicable regulatory requirements before issuing this document.

Users are responsible for determining the suitability of the product for their intended application and for complying with applicable local, national, and international requirements.

This Safety Data Sheet does not constitute a guarantee of product specifications or performance.

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