Data sheet on Product Safety

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

1.1 Product identifier

Polypropylene fibre

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

For use in textiles, composite materials, papers and other industrial application

1.3 Details of the supplier of the product:

Centaur Holdings, LLC
900 US Hwy 1,
Suite 204
Jupiter, FL 33477
email: wayne@loksand.com
561-371-1217

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

No need for classification according to GHS criteria for this product.

2.2 Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

2.3 Other hazards

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

No specific dangers known if the regulations/notes for storage and handling are considered.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Not applicable

3.3 Product*

Polypropylene fibres

Composition

> 95 % wt. Polypropylene CAS-Nr. 9003-07-0 with small percentages of additives such as pigments, stabilisers, or surface treatments.

Remarks on specific components: The fibre product may contain up to 1% spin finish serving as processing aid. This may be removed in an aqueous medium if required. The fibre product does not contain any solvent.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:

First aid normally only needed for inhalation of smoke from burning material, or in exceptional circumstances for eye contact or sensitive skin contact, or for eye or skin contact with molten material.

Following Inhalation:

Under normal circumstances inhalation is unlikely due to the physical form of the fibre. In the case of inhalation of thermal decomposition products from burning material, remove patient from exposure and obtain immediate medical attention.

Following Skin Contact:

In the case of sensitive skins being degreased by repeated handling, thorough washing and use of barrier creams in future is recommended. Where soreness persists seek medical advice.

In case of skin contact with molten product, cool skin rapidly for 20 minutes with cold water. Do not peel polymer from skin. Seek medical attention in the case of serious burns.

Following Eye Contact:

In case of irritation, irrigate with eyewash solution or clean water, holding the eyelids apart. Obtain immediate medical attention.

In case of eye contact with molten product, continuously flush the eye for 15 minutes. Do not attempt to remove the material adherent to the eye. Seek medical attention.

Following Ingestion:

First aid is not normally required.

4.2 Most important symptoms and effects, both acute and delayed

After the direct contact with skin or eyes mild irritation is possible.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media

Water spray, foam, dry powder, CO2

Do not use water jet.

5.2 Special hazards arising from the substance or mixture

The material is combustible but not readily ignited. Burning is accompanied by melting and dripping which may cause the fire to spread. Combustion will evolve dense black smoke. Heat from fire may melt and decompose the product and generate flammable vapours.

Combustion products such as carbon dioxide, carbon monoxide and unburned hydrocarbons (smoke). The formation of hydrocarbons and aldehydes are possible in the initial stages of a fire (between 400°C and 700°C)

5.3 Advice for firefighters

Wear self-contained breathing apparatus.

Wear complete protective clothing and face protection.

Do not allow contaminated run off to enter water courses or drains

SECTION 6: Accidental release measure

6.1 Personal precautions, protective equipment and emergency procedures

Fibres: Danger of slipping from spilled fibre. Sweep or vacuum into suitable containers

Polymer melt: Danger of exothermal decomposition. Cool down using water.

Use personal protective equipment

Avoid dust generation. Do not inhale the dust

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system

6.3 Methods and material for containment and cleaning up

For small amounts: Pick up with suitable equipment and dispose of.

For large amounts: Pick up with suitable equipment and dispose of.

6.4 Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Packaging

Handle in accordance with good industrial hygiene practices. Material is delivered pressed in bales or boxes. Take care when breaking or cutting straps as pressure is released – use protection for eyes and hands. Take care with safe stacking heights of bales and boxes.

Measures to prevent fire and dust generation

Avoid fibre fly, respectively collect. Avoid generation of dust. Provide sufficient air ventilation or hood suction. Remove ignition sources. Take precautionary measures against static discharges.

General safety & hygiene

Do not eat, drink, or smoke in the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry area. Keep away from heat sources and sources of ignition, including static discharges. Avoid contact with strong oxidizing and halogenated materials.

7.3 Specific end use(s)

See Section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1. Occupational Exposure Limits

Substance	Cas No.	Note	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)
Polypropylene	9003-07-0	inhalable dust UK/WEL	-	10	-	-
		inhalable dust US ACGIH	-	10	-	-
		respirable dust UK/WEL	-	4	-	-
		respirable dust US ACGIH	-	3	-	-

WEL: Workplace Exposure Limit (UK HSE EH40)
ACGIH: American Conference of Industrial Hygienists

8.2 Exposure controls

Avoid accumulation of and contact with fibre fly, dust and finish decomposition products by hood suction and sufficient fresh air supply.

Respiratory protection:

Under normal conditions of use, respiratory equipment should not be required.

Breathing protection if respirable aerosols/dust are formed. Wear respiratory protection (EN 149) if ventilation is inadequate.

Hand/skin protection:

In the case of sensitive skins being degreased by repeated handling, thorough washing and use of barrier creams is recommended.

Contact with molten product may cause thermal burns. If the fibre is melted during processing, use heat resistant gloves (EN 407)

Fibres processed at high speed may cause abrasions or cuts. Appropriate measures are recommended (e.g., gloves and long-sleeved shirt).

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g., EN 166)

General safety and hygiene measures:

Adopt good industrial hygiene practices; do not eat, drink or smoke whilst working and wash hands and uncovered skin after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Fibres
Color:	Various
pH-Value:	(aqueous extract, 100 g fibres / 100 ml water): 6-8
Melting temperature:	160 - 165 °C
Boiling range:	Not applicable, product decomposes
Decomposition temperature:	> 300 °C
Ignition temperature:	> 350 °C
Solubility in water:	Insoluble (apart from approx. <1% finish)
Density:	< 1.0 g/cm³

9.2 Other information

No further information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

10.2 Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3 Possibility of hazardous reactions

No hazardous reactions known if stored and handled as prescribed/indicated.

10.4 Conditions to avoid

Avoid temperatures above decomposition temperature. Upon thermal decomposition, e.g., by overheating during processing, or in case of fire, hazardous gases and vapors may be formed.

10.5 Incompatible materials

No substances known that should be avoided.

10.6 Hazardous decomposition products

Not expected to decompose under normal conditions. Above 300°C decomposition occurs and can form mainly carbon monoxide, olefinic and paraffinic compounds. Under special circumstances, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Based on our experience and information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Irritation: Based on our experience and information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Contact with eyes: Eye contact with fibres may cause eye irritation.

Respiratory/Skin sensitization: Based on our experience and information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Germ cell mutagenicity: Based on our experience and information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Carcinogenicity: Based on our experience and information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Reproductive toxicity: Based on our experience and information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Specific target organ toxicity (single exposure): Based on our experience and information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Specific target organ toxicity (repeated exposure): Based on our experience and information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Aspiration hazard: No aspiration hazard expected.

Other relevant toxicity information: None.

SECTION 12: Ecological information

12.1 Toxicity

Acute (short-term) toxicity:

This product is Insoluble in water except approximately <1% of spin finish. Concentrated sewage from spin finish wash off could be toxic for water organisms.

Chronic (long-term) toxicity:

This product is Insoluble in water except approximately 1% of spin finish. Concentrated sewage from spin finish wash off could be toxic for water organisms.

12.2 Persistence and degradability

Experience shows this product to be inert in water and non-degradable. The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

12.3 Bio accumulative potential

The product is not readily bioavailable due to its consistency and insolubility in water.

12.4 Mobility in soil

The product is not readily mobile in soil due to its consistency and insolubility in water.

12.5 Results of PBT and vPvB assessment

The product does not fulfil criteria for PBT (persistent/bio accumulative/toxic) and vPvB (very persistent/very bio accumulative).

12.6 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Can be recycled, incinerated under approved controlled conditions (if possible, with energy recovery) or sent to landfill according to applicable regulations. Disposal should be in accordance with local, state and/or national legislation.

European waste catalogue (EWC): 040222 Wastes from processed textile fibres

SECTION 14: Transport information

Not classified as a dangerous good under transport regulations for:

- Land transport (ADR/RID)
- Inland waterway transport (ADN)
- Sea transport (IMDG)
- Air transport (IATA/ICAO)

14.1 UN number

Not applicable

15.2 Chemical safety assessment

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 hazards

Not applicable

14.6 Special precautions for user

None known

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

Not evaluated

SECTION 15: Regulatory information

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

Product is not classified as hazardous.

German water hazard class (Annex 1 of AwSV)

Non-hazardous

Contains no substance listed in the Annex XVII of the REACH Regulation No. 1907/2006.

Contains no substance listed in the Annex XIV of the REACH Regulation No. 1907/2006.

Contains no substance of the candidate list of substances of very high concern (SVHC-16/07/2019)

Chemical Safety Assessment not required.

SECTION 16: Other information

The information in this Data Sheet on Product Safety is based the present state of our knowledge and is intended to inform about physical properties, safety aspects, toxicological data and ecological characteristics that are relevant for the use of synthetic fibres in textile, technical and industrial applications, and to recommend procedures for their handling, storage and transport.