

# SAFETY DATA SHEET

Data of issue, 03/17/2025, English (EN)



## SECTION 1: Identification

### 1.1 Product identifiers

**Product name:** TWP-ML1-7 / Natural Fiber Pellets

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

**Relevant identified uses:** Raw material for polymer composite production, reinforcement for bioplastics and polymer matrices, additive to produce sustainable materials, raw material for industrial packaging applications, and biomass for energy production.

**Uses advised against:** Not for human or animal consumption

### 1.3 Details of the Supplier of the Safety Data Sheet

**Company:** Tangho Green Canada Inc.  
**Address:** 550 Parkside Drive - #B5, Waterloo, ON, N2L 5V4, Canada  
**Phone number:** 226-339-8552  
**Website:** [www.tangho.green](http://www.tangho.green)  
**E-mail:** [hi@tangho.green](mailto:hi@tangho.green)

**1.4 Emergency phone number: 226-339-8552**

## SECTION 2: Hazard(s) identification

### 2.1 Classification of the substance or mixture

GHS-US classification  
Not classified

### 2.2 Label elements

GHS-US labeling  
No labelling applicable

### 2.3 Other hazards

Other hazards which do not result in classification: dust is expected in natural fiber pellet form. If user activity generates dust, it may cause irritation of the eyes, skin or respiratory tract and may cause cancer.

### 2.4 Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1 Substance

Name: TWP-ML1-7 / Natural Fiber Pellet

Composition:

Name	Product identifier	Weight %	GHS-US classification
Natural Fibers (various types) *	N/A	95 to 100	Not classified

\*This product is made from 95 to 100% Natural fiber that is compressed to form densified fiber pellets. They may contain 0 to 5 wt.% additives and/or binders which are not listed as hazardous material under the U.S. OSHA, and Canadian WHMIS. Product is not expected to be hazardous in pellet form.

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## SECTION 4: Description of first aid measures

<b>4.1 First aid measures</b>	<b>General</b>	TWP-ML1-7 natural fiber pellets are considered a benign product for most people. However, individuals with a propensity for allergic reactions may experience reactions and should contact their physician to establish the best remedial action to take if a reaction occurs
	<b>Inhalation</b>	TWP-ML1-7 natural fiber pellets are unlikely to be inhaled. Seek medical advice/attention if you feel unwell.
	<b>Skin contact</b>	TWP-ML1-7 natural fiber pellets are not normally irritating to skin.
	<b>Eye contact</b>	If TWP-ML1-7 natural fiber pellets contact eye(s), rinse immediately with plenty of water, also under the eyelids. Seek medical attention if pain, blinking, or redness persists.
	<b>Ingestion</b>	If TWP-ML1-7 natural fiber pellets are swallowed, rinse your mouth with water (do not swallow). Seek medical attention.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	<b>Symptoms/ injuries</b>	Not expected to present a significant hazard under anticipated conditions of normal use. If user operations generate dust, it may cause eye or skin irritation. Possible allergic reaction may occur if dust is inhaled. Dust may cause cancer if it is inhaled.
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	<b>Note to physician</b>	Treat symptomatically.

## SECTION 5: Firefighting measures

<b>5.1 Extinguishing media</b>	<b>Suitable extinguishing media</b>	Foam, dry powder, carbon dioxide, water spray and sand.
	<b>Unsuitable extinguishing media</b>	Do not use a heavy water stream.
<b>5.2 Special hazards arising from the substance or mixture</b>	<b>Fired hazard</b>	TWP-ML1-7 natural fiber pellets are a fuel and by nature are prone to catch fire when exposed to heat or fire. The product, as shipped, is not classified as combustible dust. Incomplete combustion may form carbon monoxide.
	<b>Reactivity</b>	None known under normal conditions of use.
<b>5.3 Advice for fire fighters</b>	<b>Firefighting instructions</b>	Use water spray of fog for cooling exposed containers. Fire can be suppressed with water, foam or sand.
	<b>Protective equipment for firefighters</b>	Do not enter the fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergencies procedures	<b>General measures</b>	If TWP-ML1-7 natural fiber pellets are released, the material can be removed by sweeping or vacuuming. Take care to minimize generating dust. Spilled natural fiber pellets may create a slip/trip hazard.
	<b>For non-emergency personnel</b>	TWP-ML1-7 natural fiber pellets can be removed by sweeping or vacuuming.
	<b>For emergency responders</b>	Protective equipment: Equipment cleanup crew with proper protection. Emergency procedures: TWP-ML1-7 natural fiber pellets can be removed by sweeping or vacuuming.
6.2 Environmental precautions	No significant environmental hazard or adverse effect from human exposure resulting from the accidental release of this material is anticipated.	
6.3 Methods and materials for containment and cleaning up	<b>Methods for cleaning up</b>	On land, sweep or shovel into suitable containers. Minimize generating of dust.
6.4 Reference to other sections	See Section 8; Exposure controls and personal protection.	

## SECTION 7: Handling and storage

7.1 Precautions for safe handling	<b>Precautions for safe handling</b>	Protect TWP-ML1-7 natural fiber pellets from contact with water and moisture.
7.2 Conditions for safe storage, including any incompatibilities	<b>Precautions for safe handling</b>	Protect TWP-ML1-7 natural fiber pellets from exposure to ignition sources which may set off a fire. Store in a dry well-ventilated location.
	<b>Incompatible products</b>	Strong oxidizing agents.
	<b>Incompatible materials</b>	Excessive moisture. Sources of ignition.

## SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

Natural fiber Pellet		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> respirable dust
ACGIH	Remark (ACGIH)	Pulmonary function; Upper respiratory tract and lower respiratory tract irritation.
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> respirable dust
OSHA	Remark (OSHA)	Respirable fraction, 15 mg/m <sup>3</sup> total dust
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> respirable dust

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## 8.2 Exposure controls

Exposure controls	
Personal protective equipment	Not typically required when handling natural fiber pellets.
Hand protection	Wear protective cotton or leather-style gloves.
Eye protection	Wear safety glasses with side-shields or goggles.
Skin and body protection	Wear protective clothing.
Respiratory protection	Avoid actions that cause dust exposure. Work in a well-ventilated area. Use approved respiratory protection, minimally a NIOSH approved particulate respirator (dust mask).
Other information	Follow good housekeeping and hygiene practices.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	Solid
Color	Brown (light to dark)
Odor	Natural fibers
Odor threshold	No data available
pH	4 - 6
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	Flammable
Explosive limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	No data available
Relative density	No data available
Relative vapor density at 20 °C	No data available

Density	40 – 46 lbs./cu ft
Solubility	No data available
Log Pow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available

## 9.2 Other information

No additional information is available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None known under normal conditions of use.

### 10.2 Chemical stability

Stable in normal conditions.

### 10.3 Possibility of hazardous reactions

None under normal conditions.

### 10.4 Conditions to avoid

Ignition sources. Contact with wet or moist environment.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Thermal decomposition products are primarily carbon monoxide, carbon dioxide and methane.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Likely routes of exposure	Skin and eye contact; inhalation
Acute toxicity	Not classified (based on available data, the classification criteria are not met)
Skin corrosion/irritation	Not classified (based on available data, the classification criteria are not met), pH 4 -6
Serious eye damage/irritation	Not classified (based on available data, the classification criteria are not met), pH 4 -6
Respiratory or skin sensitization	Not classified (based on available data, the classification criteria are not met)
Germ cell mutagenicity	Not classified (based on available data, the classification criteria are not met)
Carcinogenicity	Not classified (based on product form)

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Dust	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known human carcinogens

Reproductive toxicity	Not classified (based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure).	Not classified (based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure).	Not classified (based on available data, the classification criteria are not met)
Aspiration hazard	Not classified (based on available data, the classification criteria are not met)
Potential adverse human health effects and symptoms	Dust is not expected in natural fiber pellet form. If user activity generates dust, it may cause irritation of the eyes, skin or respiratory tract and may cause cancer.

## SECTION 12: Ecological information

<b>12.1 Toxicity</b>	Ecology - general	Not harmful to aquatic organisms.
<b>12.2 Persistence and degradability</b>	Persistence and degradability	Not established.
<b>12.3 Bio accumulative potential</b>	Bio accumulative potential	Not established.
<b>12.4 Mobility in soil</b>	No additional information available.	
<b>12.5 Other adverse effects</b>	Effect on the global warming	No additional information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Waste treatment methods:** Dispose of contents/container in compliance with applicable local, national, and international regulations.

**Waste disposal recommendations:** Dispose in a safe manner in accordance with local/national regulations.

**Ecology - waste materials:** Avoid release to the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT  
Not regulated for transport

### TDG

Not regulated for transport

### Transport by sea

Not regulated for transport

### Air transport

Not regulated for transport

## SECTION 15: Regulatory information

### 15.1 US Federal regulations

All components of this product are listed or excluded from listing on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals more than International the applicable concentration as specified in 40 CFR 372.38(a), subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2 International regulations

#### **CANADA**

No additional information available

#### **EU-Regulations**

No additional information available

#### **National regulations**

No additional information available

This information is based on our knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.