

Product Name	HYTREL® thermoplastic polyester elastomer yarn		
Revision Number	2	Revision Date	24 July 2024
		Issue Date	April 2012

SECTION 1. IDENTIFICATION

Product Name	HYTREL® thermoplastic polyester elastomer yarn		
Product Code	EPET		
Synonyms			

Recommended Use	Uses vary		
Restrictions on Use	Manufacturing and research use only		

COMPANY IDENTIFICATION

MiniFIBERS, Inc.
 2923 Boones Creek Rd
 Johnson City, TN 37615
 (423) 282-4242

TRANSPORTATION EMERGENCY PHONE NUMBERS

423-282-4242

SECTION 2. HAZARD IDENTIFICATION

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910.1200

Not classified

LABEL ELEMENTS

Signal Word	No signal word
Hazard Statement(s)	No known significant effects or critical hazards
Precautionary Statement(s)	Not applicable
Pictogram	No pictogram

OTHER HAZARDS

Hazard Not Otherwise Classified (HNOC): None as defined under Federal OSHA Hazard Communication Standard (29CFR 1910.1200)

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INFORMATION BASED ON SUPPLIER SDS

This product does not contain any components that require disclosure according to OSHA Hazard Communication Standard 2012

Component	CAS #	Concentration (%w/w)
HYTREL® 7246 thermoplastic polyester elastomer	mixture	94 – 99%
HYTREL® 21UV thermoplastic polyester elastomer	mixture	≤ 6%
Anionic antistat component of spin finish	Propretary	< 0.1%

NOTES

None

SECTION 4. FIRST AID MEASURES

GENERAL INFORMATION

No hazards which require special first aid measures

Inhalation	Move to fresh air. If symptoms persist, contact physician.
Skin contact	Wash off with soap and water. If symptoms persist, contact physician.
Eye contact	In case of contact with eyes, remove contact lens if present, rinse immediately with plenty of water and seek medical advice.
Ingestion	Wash out mouth with water. Seek medical attention
Most important symptoms and effects (acute and delayed)	May cause allergic skin disorders in sensitive individuals.
Note to physician	Treat symptomatically

SECTION 5. FIREFIGHTING MEASURES

PROPERTIES BASED ON SUPPLIER SDS

Suitable extinguishing media	Water fog. Dry chemical. Foam. Carbon dioxide (CO ₂). Apply extinguishing media carefully to avoid creating airborne dusts.
Unsuitable extinguishing media	None known
Specific hazards during fire fighting	No specific fire or explosion hazard
Hazardous combustion products	May consist of carbon monoxide and/or carbon dioxide gases. Decomposition products may include tetrahydrofuran, acetic acid, 2-methylpropene, acetaldehyde,, formic acid, acrolein, propionaldehydde.
Further information	None

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Special protective equipment	Wear approved positive pressure self-contained breathing apparatus in addition to standard firefighting gear
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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, emergency procedures	Keep unnecessary personnel away. Wear appropriate personal protective gear.
Environmental precautions	Avoid releases to the environment
Methods and materials for containment and clean-up	Vacuum or sweep up and place in a standard disposal container.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling	Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Wear appropriate personal protective equipment. See Section 8.
Advice on safe handling	Wash thoroughly after handling
Conditions for safe storage	Keep containers tightly closed in a dry, cool, and well-ventilated space. Do not store with the following product types: strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS WITH WORKPLACE CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS

None

Engineering Measures	Good general ventilation should be used. Ventilation rates should match to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Maintain airborne levels to acceptable level.
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PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection	If engineering controls do not maintain airborne concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements or risk assessment, if applicable.
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Eye protection	Wear safety glasses (with side shields). If there is a potential for exposure to particles which could cause eye discomfort, wear goggles.
Hand protection	No special requirements
Skin and body protection	Wear suitable protective clothing
Protective measures	Ensure eye flushing systems and safety showers are located close to the working spaces.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Practice good housekeeping.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTIES BASED ON SUPPLIER SDS

Appearance	White or Off-white Fibers
Odor	No significant odor
Odor threshold	No applicable
pH	Not applicable
Melting point/range	>130°C / >266°F
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper flammability/upper explosion limit	Not applicable
Lower flammability/lower explosion limit	Not applicable
Vapor pressure	Not applicable
Relative vapor density (air = 1)	Not applicable
Relative density g/cm ³ (water = 1)	>1
Water solubility	Insoluble
Partition coefficient: n-octanol/water	No applicable data available
Auto-ignition temperature	Not applicable
Decomposition temperature*	>275°C
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

*Thermal decomposition of the resin accelerates above temperature listed. Decomposition can occur below the recommended processing temperature limit. Decomposition is a function of both processing temperature and time at that temperature.

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SECTION 10. STABILITY AND REACTIVITY

PROPERTIES BASED ON SUPPLIER SDS

Reactivity	This product is stable at normal ambient temperature and pressure
Chemical stability	Stable under normal ambient temperature and pressure
Possibility of hazardous reactions	Polymerization will not occur
Conditions to avoid	Temperature >275°C (>527°F) Abnormally long processing time or high temperatures can produce irritating and toxic fumes. Decomposes on heating. At temperatures above the “conditions to avoid” temperature, thermoal decomposition of the resin accelerates. Decomposition can occur below the recommended processing temperature limit. Decomposition is a function of both processing temperature and time at the temperature.
Incompatible materials	Strong acids, bases, and oxidizing materials
Hazardous decomposition products	Decomposition not expected under normal conditions. For hazardous combustion products see Section 5

SECTION 11. TOXICOLOGY INFORMATION

PROPERTIES BASED ON SUPPLIER SDS

HYTREL® 7246 AND HYTREL® 21UV thermoplastic polyester elastomers

Further information: No data is available on the products themselves. For additional toxicity data write to the company address or call the non-emergency number shown in Section 1.

Carcinogenicity:

The carcinogenicity classifications for these products and/or their ingredients have been determined according to HazCom2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Moographs (latest edition).

None of the components present in these materials at concentrations equal or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

SECTION 12. ECOLOGICAL INFORMATION

PROPERTIES BASED ON SUPPLIER SDS

GENERAL INFORMATION

No data is available on the products themselves. Toxicity is expected to be low based on insolubility in water.

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SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Waste from residues	<p>DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.</p> <p>Dispose of in accordance with federal, state, and local regulations. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.</p>
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SECTION 14. TRANSPORTATION INFORMATION

DOT	Not regulated as a dangerous good
IMO-IMDG Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated as a dangerous good Note: Consult IMO regulations before transporting ocean bulk
ICAO/IATA	Not regulated as a dangerous good

This information is not intended to convey all specific regulator or operational requirements/information related to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of this material.

SECTION 15. REGULATORY INFORMATION

U.S. AND INTERNATIONAL REGULATIONS FOR THIS SECTION TO BE BASED ON SUPPLIER SDS OF THE POLYMERS

U.S. STATE REGULATIONS

Regulation California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):	This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity in levels greater than 0.1%. For more information go to www.P65Warnings.ca.gov
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U.S. FEDERAL REGULATIONS

20 CFR 1910.1200	This product is an article and, as such, is not subject to the OSHA Hazard Communication Standard.
TSCA	This product is considered an article and is not subject to TSCA requirements All components of this product are in compliance with the inventory listing requirements for commercial purposes of the U.S

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SARA 302. Extremely hazardous substance	Not listed
SARA 311/312 Hazardous chemical	No
SARA 313 (TRI Reporting)	This product does not contain any components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

INTERNATIONAL REGULATIONS

REACH	According to Article 3(3) fibers can be defined as articles not requiring registration
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HTS CODE:

Commodity:

HTS Code Number: 5402.44.00.00

NMFC Item Number: 200430 Sub 3

SECTION 16. OTHER INFORMATION

OTHER INFORMATION BASED ON SUPPLIER SDS

Restrictions for use: Do not use this material in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from Minifibers under a 3-way contract with DuPont that is consistent with DuPont policy regarding medical applications and expressly acknowledge the contemplated use. For further information, please contact your Minifiber representative.

HYTREL® is a registered trademark of affiliates of DuPont de Nemours, Inc. Minifibers has been given express consent to utilize this ® in the sale and marketing of HYTREL® thermoplastic polyester elastomer yarn.

FULL TEXT OF OTHER ABBREVIATIONS

Add any additional abbreviations and text to table based on content

DOT	US Department of Transportation
DSL/NDSL	Domestic Substance List/Non-Domestic Substance List
GHS	Global Harmonized System
HTS	Harmonized Tariff Schedule
IARC	International Agency for the Research of Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods

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IMO	International Maritime Organization
MARPOL	International Convention for the Prevention of Pollution from Ships
NTP	National Toxicology Program
OSHA	US Safety and Health Act
REACH	Regulation (ECO) No 1907/2006 of the European Parliament and the Council covering the Registration, Evaluation, Authorization and Restriction of Chemicals
SARA	Superfund Amendment and Reauthorization Act
SDS	Safety Data Sheet
STOT	Specific Target Organ Toxicity
TSCA	US Toxic Substance Control Act

REVISION DATE

08 August 2022

30 July 2024. Section 15 Reference to Canadian DSL/NDSL has been removed.

INFORMATION SOURCE AND REFERENCES

This SDS is based on information provided by the spin finish supplier and DUPONT™ the manufacturer of the base resin HYTREL® 7246 thermoplastic polyester elastomer and HYTREL® 21UV thermoplastic polyester elastomer.

Information related to REACH and articles: ECHA. (2017). Guidance on requirements for substances in articles. Version 4.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of this publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered warranty or quality specification. The information relates only to the specified material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.