

Product Name	Vectran™ LCP Fibers		
Revision Number	New	Revision Date	
		Issue Date	24 July 2024

SECTION 1. IDENTIFICATION

Product Name	Vectran™ LCP Fibers
Product Code	LCVEC
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

Combustible Dust

LABEL ELEMENTS

Signal Word	Warning
Hazard Statement(s)	May form combustible dust concentrations in air
Precautionary Statement(s)	Prevent dust accumulation to minimize explosion hazard. Material can accumulate static charges which may cause ignition. Keep away from heat/sparks/open flames/hot surfaces. Keep container tightly closed. Handle in accordance with good industrial hygiene and safety practices
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

Component	CAS #	Concentration (%w/w)
2-Naphthalenecarboxylic acid, 6-(acetyloxy)-, polymer with 4-(acetyloxy)benzoic acid	70679-92-4	≥ 94%
Additive agent		≤ 6%

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)	Under normal conditions of use, no health effects expected
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	Do not use water jet as an extinguisher
Specific hazards during fire fighting	Not flammable but will burn. Toxic gases (carbon monoxide) may form when burned without sufficient oxygen. During fire, gases hazardous to health may be formed.
Further information	None
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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS WITH WORKPLACE CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS

No exposure limits/guidelines available for the material or components

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.
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

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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	Light golden color fiber
Odor	Odorless
Odor threshold	No information available
pH	No information available
Melting point/range	Unclear Sofeten over 330°C / 626°F
Flash point	Over 300°C / 572°F
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper flammability/upper explosion limit	No information available
Lower flammability/lower explosion limit	No information available
Vapor pressure	No information available
Relative vapor density (air = 1)	No information available
Relative density g/cm ³ (water = 1)	1.40 ~ 1.41 g/cm
Water solubility	Insoluble
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	Over 1004°F (540°C) (it may ignite at higher temperature or degradation conditions. Do not keep over 662°F (350°C))
Decomposition temperature	>400°C / 752°F (under inert gas)
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

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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	Incompatible materials
Incompatible materials	Strong acids, bases, and oxidizing materials
Hazardous decomposition products	Thermal decomposition products of combustion: oxides of carbon

SECTION 11. TOXICOLOGY INFORMATION

PROPERTIES BASED ON SUPPLIER SDS

Acute toxicity (oral)	EU/CLP * Not relevant /OSHA HCS 2012 * not relevant
Acute toxicity (dermal)	EU/CLP * Not relevant /OSHA HCS 2012 * not relevant
Acute toxicity (inhalation)	EU/CLP * Not relevant /OSHA HCS 2012 * not relevant
Skin corrosion/irritation	EU/CLP * Not relevant /OSHA HCS 2012 * not relevant
Serious eye damage/irritation	EU/CLP * Not relevant /OSHA HCS 2012 * not relevant
Respiratory or skin sensitization	EU/CLP * Not relevant /OSHA HCS 2012 * not relevant
Germ cell mutagenicity	EU/CLP * Not relevant /OSHA HCS 2012 * not relevant
Carcinogenicity	EU/CLP * Not relevant /OSHA HCS 2012 * not relevant
Reproductive toxicity	EU/CLP * Not relevant /OSHA HCS 2012 * not relevant
STOT – single exposure	EU/CLP * Not relevant /OSHA HCS 2012 * not relevant
STOT – repeated exposure	EU/CLP * Not relevant /OSHA HCS 2012 * not relevant
Aspiration hazard	EU/CLP * Not relevant /OSHA HCS 2012 * not relevant
Viscosity, kinematic	EU/CLP * Not relevant /OSHA HCS 2012 * not relevant
Symptoms/effects	EU/CLP * Not relevant /OSHA HCS 2012 * not relevant

SECTION 12. ECOLOGICAL INFORMATION

PROPERTIES BASED ON SUPPLIER SDS

Toxicity	No information available
Persistence and degradability	No information available
Bioaccumulation potential	No information available
Mobility in soil	No information available
Other adverse effects	No information available

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Waste from residues	DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.
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	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.
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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

TSCA	This product is considered an article and is not subject to TSCA requirements Meets requirements for TSCA Polymer Exemption
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.

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INTERNATIONAL REGULATIONS

REACH	According to Article 3(3) fibers can be defined as articles not requiring registration
Canada DSL/NDSL	All components are listed on DSL

HTS CODE:

Commodity:

HTS Code Number: 5402.44.00.00

NMFC Item Number: 200430 Sub 3

SECTION 16. OTHER INFORMATION

Vectran™ is a registered trademark of affiliates of Kuraray Co., LTD. Minifibers has been given express consent to utilize this ™ in the sale and marketing of Vectron™ LCP Fibers.

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
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 (EC) 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

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INFORMATION SOURCE AND REFERENCES

This SDS is based on information provided by Kuraray Co., LTD the manufacturer of Vectran™ T-801M HT1670T600, Polyarylate fiber.

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.