



UNIFI  
Safety Data Sheet

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Repreve® Polyester Chip

08/05/2019

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**1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION**

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Company Identification

MANUFACTURER/DISTRIBUTOR

Unifi Manufacturing, Inc.  
7201 W. Friendly Avenue  
P.O. Box 19109  
Greensboro, NC 27410

PHONE NUMBERS

Bradley Anthony  
QA Technical Manager  
Unifi Manufacturing, Inc.  
Phone: (336) 679-3863

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**2. HAZARD IDENTIFICATION**

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Signal Word: No label element (s) required.

H333- May be harmful if inhaled.

OSHA- May form combustible dust concentrations in air.

HMIS rating:

Health: 1

Fire: 1

Reactivity: 0

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**3. COMPOSITION/INFORMATION OF INGREDIENTS**

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Components

Repreve® polyester resin is composed of post-industrial and/or post-consumer polyester waste.  
These products are made from polyethylene terephthalate polymer.

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**4. FIRST AID MEASURES**

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First Aid



NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

#### Spill Clean Up

Repreve® resin presents no unusual spill or release potential. Shovel or sweep up for disposal.

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### 7. HANDLING AND STORAGE

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#### Handling (Personnel)

Avoid breathing hot vapors, oil mists, and airborne fibers. Wash thoroughly after handling.

#### Storage

Store containers in accord with good material handling practices.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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#### Personal Protective Equipment

##### Generally Applicable Control Measures and Precautions

While no special controls or handling procedures are required, it is recommended that exposure to any inhalable material be minimize by the use of adequate ventilation, such as local exhaust, effective containment, and personal cleanliness.

#### EYE/FACE

Safety Glasses

#### Exposure Guidelines

##### Applicable Exposure Limits

Titanium Dioxide

PEL (OSHA)

15 mg/m<sup>3</sup>, total dust, 8 Hr. TWA

TLV (ACGIH)

10mg/m<sup>3</sup>, total dust, 8 Hr. TWA, A4

AEL \* (Unifi)

10 mg/m<sup>3</sup>, total dust, 8 Hr TWA

5 mg/m<sup>3</sup>, respirable dust , 8 Hr. TWA

Polyethylene Terephthalate

PEL (OSHA)	None Established
TLV (ACGIH)	None Established
AEL * (Unifi)	10 mg/m <sup>3</sup> , 8 Hr. TWA, total dust 5 mg/m <sup>3</sup> , 8 Hr. TWA, respirable dust

\* AEL is Unifi's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

#### Potential Health Effects

Repreve® polyester resin presents low hazards for usual industrial or commercial handling. If a processing step results in significant airborne particulate, Unifi recommends an airborne exposure limit of 10 mg as particulate/M<sup>3</sup> as an 8-hour time weighted average (TWA).

This product may contain up to one percent titanium dioxide (TiO<sub>2</sub>) as light scattering agent to impart with color. When incorporated into the resin, we do not believe TiO<sub>2</sub> presents a significant hazard.

#### Carcinogenicity Information

The following components are listed by IARC, NTP, OSHA or ACGIH as carcinogens.

Material	IARC NTP OSHA ACGIH
none	

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical Data	
Melting Point	250 to 300° C
Water Solubility	Insoluble
Form	Resin
Color	Can range from clear and colorless to shades of beige and yellow, white if product contains TiO <sub>2</sub> .
Odor	Odorless
% Volatiles	<0.05%

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### 10. STABILITY AND REACTIVITY

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#### Chemical Stability

Stable.

Incompatibility with other materials.

None reasonably foreseeable.

Decomposition

Decomposes with heat.

When Repreve® resin is burned, no unusual combustion gases have been observed, and its combustion products are similar to those of other organic materials composed of the same elements.

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## **11. TOXICOLOGICAL**

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None collected.

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## **12. ECOLOGICAL INFORMATION**

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None collected.

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## **13. DISPOSAL CONSIDERATIONS**

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Waste Disposal

Repreve® resin is essentially non-biodegradable. It contains no significant percentage of materials extractable by contact with ambient waters. It is stable in all recommended use environments and requires no special spill handling procedures.

Repreve® resin may be disposed of by incineration, preferably by recovering the energy for other uses. The fiber produces off gases during incineration which are similar to those produced by the incineration of other natural and man-made fiber, with negligible NOx attributed to Repreve®. A non hazardous ash which passes the Toxic Chemical Leachate Procedure should be produced. Further information on incineration is available upon request.

Repreve® resin is not hazardous waste as defined by regulation implementing the Resource Conservation and Recovery Act (RCRA).

Repreve® resin is not regulated as hazardous waste under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and are not subject to the Superfund tax.

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

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**14. TRANSPORT INFORMATION**

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Not regulated.

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**15. REGULATORY INFORMATION**

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**U.S. Federal Regulation****Toxic Substances Control Act (TSCA)**

This product is listed on the TSCA inventory or otherwise complies with TSCA pre-manufacture notification requirements.

**Occupational Safety and Health Act (OSHA)**

This product is not a "hazardous chemical" as regulated under the OSHA Hazard Communication Standard (29 CFR 19010.1200). This data sheet is provided merely as an informational resource for our customers.

**Emergency Planning and Community Right-To-Know Act of 1986 (EPCRA)**

Repreve® polyester resin contains no chemicals in concentration reportable under Section 313 of EPCRA.

**State Regulations (U.S.)**

California Safe Drinking Water Toxic Enforcement Act of 1986 (Proposition 65): Repreve® polyester resin contains none of the substances known to the State of California to cause cancer or reproductive toxicity.

**Pennsylvania and New Jersey Right-To-Know Law**

Repreve® polyester resin may contain titanium dioxide, which is listed on both the New Jersey and Pennsylvania Right-To-Know regulatory lists.

**European Regulation**

Unifi Repreve Polyester Resin complies with all requirements of REACH No 1907/2006 Regulation No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (The "REACH Regulation")

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**16. OTHER INFORMATION**

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**Additional Information**

**MEDICAL USE: CAUTION:** Do not use Unifi materials in medical applications involving permanent implantation in the human body or permanent contact with internal body fluids or tissues.

Do not use Unifi materials in medical applications involving brief or temporary implantation in the human body or contact with internal body fluid or tissues unless the material has been provided directly from Unifi under a contract which expressly acknowledges the contemplated use.

Clean Air Act Amendments of 1990

Repreve® polyester resin contains none of the ozone depleting substances listed in either Class I (chlorofluorocarbons, halon, carbon tetrachloride and methyl chloroform) or Class II (hydrochlorofluorocarbons) of the Clean Air Act Amendments of 1990.

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This safety data sheet and the information it contains is offered in good faith and accurate. UMI has reviewed all the information contained in this data sheet, and UMI believes that this information is correct. UMI cannot guarantee its accuracy or completeness. Safety and health precaution documented in this SDS may not be adequate for every individual and/or situation. It's the user obligation to ensure proper evaluation, and to use this product safely while complying with all applicable laws and regulations. No statement made in the safety data sheet shall be construed as permission or recommendations for the use of any product in a manner that could infringe existing patents. No warranty is made, either expressed or implied.