

SAFETY DATA SHEET

Colback Technology

SDS DATE: 12/05/2019

Rev 6



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: COLBACK® BICOMPONENT NONWOVEN FABRICS
ADDRESS: Low&Bonar Inc., P.O. Box 1057, Enka, NC 28728
PHONE: (828) 665-5000 FAX: (828) 665-5005
CHEMICAL NAME: Polyethylene Terephthalate/Polycaprolactam
TRADE NAME: COLBACK®

SECTION 2: HAZARDS IDENTIFICATION

OSHA HAZARD HEALTH HAZARD SUMMARY: No adverse health effects have been reported in the processing and use of Colback fabrics provided that the workplace is adequately ventilated and normal safety and industrial hygiene practices are followed. Under certain circumstances, potential hazards may result from the processing of this product. If airborne dust is generated in processing, exposure should be maintained below 10 mg/m³ as an eight-hour, time weighted average (TWA). Contact with heated or molten material can cause thermal burns.

ROUTES OF EXPOSURE: Skin Contact, Inhalation

EXPOSURE LIMITS:
OSHA PEL: 15 mg/m³ (total) TWA
(Nuisance Dust): 5 mg/ m³ (respirable) TWA
ACGIH TLV: 10 mg/ m³ (total) TWA.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No information found.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:		
CHEMICAL NAME: Polyester	FORMULA: (C ₁₀ H ₈ O ₄) _n	CAS REGISTRY #: 25038-59-9
CHEMICAL NAME: Polyamide	FORMULA: (C ₆ H ₁₁ NO) _n	CAS REGISTRY #: 25038-54-4
CHEMICAL NAME: Carbon Black	FORMULA: (C)	CAS REGISTRY #: 1333-86-4
CHEMICAL NAME: Lubricant	FORMULA: (Proprietary)	CAS REGISTRY #: None

COMPOSITION INFORMATION: Polyethylene Terephthalate/Polycaprolactam >99%
: Carbon Black: may contain <1% fully encapsulated within Polyester
: Proprietary Lubricant: May contain <1%

SECTION 4: FIRST AID MEASURES

EYES: Treat as nuisance dust hazard. Flush eyes with water for 15 minutes. If irritation persists, obtain medical attention.

SKIN: Prolonged contact may cause minor irritation. If irritation persists, obtain medical attention. Seek medical attention for thermal burns

SAFETY DATA SHEET

Colback Technology

SDS DATE: 12/05/2019

Rev 6

INGESTION: No special precautions necessary

INHALATION: Treat as nuisance dust hazard. If irritation persists, obtain medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

EXPLOSION: Not considered to be an explosion hazard

AUTOIGNITION TEMPERATURE: Approx. 508°C (polyethylene terephthalate) / 350°C (polycaprolactam)

Flammable Limits (% by Volume): LEL-NA, UEL-NA;

Extinguishing Media: Water mist, dry chemical C02

Unusual Fire Hazards : Thermal degradation can yield hydrogen cyanide, carbon monoxide, carbon dioxide, and ammonia. Firefighters should use self-contained breathing apparatus

FIRE & EXPLOSION HAZARDS: For Review

EMERGENCY OVERVIEW: Under normal conditions of use, this product is not expected to create any unusual emergency hazards.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Solid material, Sweep up spilled material.

WASTE MANAGEMENT: Comply with state and local and Federal regulations. If you are unsure of the regulations, contact your local Public Health Department.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Avoid dust accumulation. Store boxes and rolls in accordance with good warehouse practices.

LABEL REQUIREMENTS: No special labeling requirements

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION : No special precautions required. Local and general exhaust ventilation should be used as needed to prevent irritation and avoid dust accumulation.

RESPIRATORY PROTECTION: None normally required. Use NIOSH – approved dust mask if PEL for nuisance is exceeded.

EYE PROTECTION: None normally required; however, good safety and industrial hygiene practices should be followed.

SKIN PROTECTION: None normally required; however, good safety and industrial hygiene practices should be followed. Protective clothing should be constructed of heavy rubber or similar materials for protection against molten material contact.

Other Protective Equipment : Eye wash station and safety shower should be near work area

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

SAFETY DATA SHEET

Colback Technology

SDS DATE: 12/05/2019

Rev 6

APPEARANCE:	White, Light Grey, or Black fiber/fabric
ODOR:	Essentially no odor
PHYSICAL STATE:	Solid
BOILING POINT:	NA
MELTING POINT:	Approx. 258°C (polyethylene terephthalate) / approx. 220°C (polycaprolactam)
SPECIFIC GRAVITY:	1.38 (polyethylene terephthalate) / 1.13 (polycaprolactam)
VAPOR PRESSURE/DENSITY:	NA
SOLUBILITY IN WATER:	Negligible
MOLECULAR WEIGHT:	(192.16)n / (113.16)n

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable
CONDITIONS TO AVOID:	Excessive heat > 220°C and ignition sources
INCOMPATIBILITY:	Strong oxidizing agents
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Colback polyethylene terephthalate/polycaprolactam fabric is composed of two solid organic polymers. There are no known physical or health hazards associated with the use of this product.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Does not biodegrade. Reclaim for processing if possible.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Landfill or incineration. Comply with local, state, and federal regulations for non-hazardous solid waste.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: Not regulated by DOT

Colback Fabrics are defined as "articles" under Section 1910.1200 c of the OSHA Hazard Communication Standard and are considered non-hazardous in accordance with Appendices A & B.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

SAFETY DATA SHEET

Colback Technology

SDS DATE: 12/05/2019

Rev 6

SARA Title III, Section 313: Not listed

NPCA/HMIS Rating: Health-0 (minimal); Flammability 1 (slight); Reactivity 0 (minimal)

NFPA Designation 704: Not rated

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

The information provided is correct to the best of our knowledge, information and belief at the date of its publication. This information relates to the specific material designated and may not be valid for such material used on combination with any other materials or in any process. The information is given as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific 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. User is responsible for determining whether the Low & Bonar product is fit for a particular purpose and suitable for user's method of use or application. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license of valid patents.