

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Polyester Filament Yarn, Flat & Textured		
ADDRESS: Brawer Bros, Inc 375 Diamond Bridge Ave. Hawthorne, NJ 07507-0640	PHONE NO. 973-238-1800	
CHEMICAL NAME AND SYNONYMS: Poly(ethylene Terephthalate) (PET)		
TRADE NAMES AND SYNONYMS: PET		
CHEMICAL FAMILY: Ester	FORMULA: (COC ₆ H ₄ COOCH ₂ CH ₂ O) _n	
CAS REGISTRY NO. 25038-59-9	ISSUE DATE: November, 1993	REVISION DATE: January, 2019

HAZARDOUS INGREDIENTS / COMPOSITION INFORMATION

Polyethylene Terephthalate > 99%

(This product will typically contain varying levels of lubricating oils and finish components. The precise composition and chemical identities are considered confidential business information and will be disclosed only in cases of medical emergency or in approved non-emergency situations. In most cases, these finishes are applied less than 1% by weight.

HEALTH HAZARD SUMMARY

SIGNS AND SYMPTOMS OF EXPOSURE:

No adverse health effects have been reported in the processing or use of polyester fibers or yarns, provided that the workplace is adequately ventilated and normal safety and industrial hygiene practices are followed. Mechanical irritation effects from dust exposure are possible at ambient temperature.

PRIMARY ROUTES OF EXPOSURE:

Skin Contact
Inhalation

EXPOSURE LIMITS:

OSHA PEL 15 mg/m³ (total) TWA
(Nuisance Dust) 5 mg/m³ (respirable) TWA

TOXICOLOGICAL PROPERTIES:

No specific information available. Animal feeding studies performed on similar products have shown no significant evidence of toxicity.

This information relates to the particular product described and is the best available data possessed by Brawer Bros, Inc on the subject. This data may not be relevant to any end use product which combines other substances with this product. It is the user's responsibility to determine the accuracy and completeness of this information in the context of its own business purposes. BRAWER BROS, INC makes no representations or warranties as to the accuracy or completeness of this information, and BRAWER BROS, INC assumes no responsibility whatsoever in connection with the use of such information by user.

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT:

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

SKIN CONTACT:

Prolonged contact may cause minor irritation. If irritation persists, obtain medical attention.

INHALATION:

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

INGESTION:

No special precautions necessary.

PHYSICAL DATA

BOILING POINT:

Decomposes at 280⁰ C in the presence of air.

SPECIFIC GRAVITY: (H₂O = 1)

> 1.0 @ 20/20⁰ C

VAPOR PRESSURE:

N.A.

VAPOR DENSITY: (Air = 1)

N.A.

FREEZING POINT:

250⁰ C

MELTING POINT:

250⁰ C - 255⁰ C

MOLECULAR WEIGHT:

(192.16)n

SOLUBILITY IN WATER:

Negligible

APPEARANCE & Odor:

White fiber with essentially no odor.

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:

N.A.

AUTOIGNITION TEMPERATURE:

N.A.

FLAMMABLE LIMITS (% BY VOLUME)

N.A.

EXTINGUISHING MEDIA:

Water spray, dry chemical, CO₂

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Thermal degradation can yield carbon monoxide and carbon dioxide. Firefighters should use self-contained breathing apparatus.

REACTIVITY DATA**STABILITY:**

Stable

CONDITIONS TO AVOID:

Excessive heat (>280° C) and ignition sources.

INCOMPATIBILITY (Materials to Avoid):

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Incomplete thermal oxidation can produce carbon monoxide and carbon dioxide.

HAZARDOUS POLYMERIZATION:

Will not occur.

CONDITIONS TO AVOID:

N.A.

OCCUPATIONAL CONTROL PROCEDURES**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.

RESPIRATORY PROTECTION:

None normally required. Use NIOSH/MSHA approved dust mask for any potential dust exposure.

OTHER PRETECTIVE EQUIPMENT:

Eye wash station and safety shower should be near work areas.

VENTILATION:

No special precautions required. General exhaust ventilation should be used as needed to prevent irritation and to avoid dust accumulation.

SPILL, LEAK OR DISPOSAL INFORMATION**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Reclaim for processing if possible. Sweep up spilled material to avoid slipping or trip hazard.

WASTE DISPOSAL METHOD:

Landfill or incineration. Comply with local, state, and federal regulations.

SPECIAL STORAGE / HANDLING REQUIREMENTS

Avoid dust accumulation. Store yarn (cartons and beams) in accordance with good warehouse practices.

LABEL REQUIREMENTS

Polyester Textile Yarn (no special labeling requirements are needed)

REGULATORY INFORMATION

Polyester yarns are regulated as follows:

DOT – Not regulated.

TSCA – Listed on 8(b) inventory.

SARA – Title III, Section 313 – Not listed on the Specific Toxic Chemicals Listing.

OSHA – As shipped, polyester yarns are considered non-hazardous by the criteria of the OSHA Hazard Communication Standard.

CMA Transportation Emergency Assistance: CHEMTREC 1-800-424-9300

NPCA/HMIS RATING:

HEALTH	0	Hazard Rating:
FLAMMABILITY	1	4 = severe
REACTIVITY	0	3 = serious
		2 = moderate
		1 = slight
		0 = minimal

ADDITIONAL COMMENTS

The processing or finishing of textile materials may volatilize portions of finish applied to these yarns and produce a visible misting in the workplace. Ventilation is recommended to minimize exposure of such finish mists, which should not exceed a concentration of 5 mg/cu meter.

Note: N.A. = Not Applicable