

bpi **brentwood plastics, inc.**
8734 Suburban Tracks - St. Louis, MO 63144
314-968-1135

MATERIAL SAFETY DATA SHEET

DATE: 12/09/12
 GENERAL INFORMATION:
 BRENTWOOD PLASTICS, INC.
 PHONE: (314) 968-1135

BWP-MSDS-3.4

SECTION 1 - IDENTIFICATION

PRODUCT: PLASTIC FILM

SYNONYMS: FILM

FORMULA: CH₃-(CH₂)_n-CH₃

CHEMICAL FAMILY: POLYOLEFIN

SECTION 2 - INGREDIENTS

<u>COMPOSITION</u>	<u>NOMINAL</u>	<u>PEL/TLV</u>	<u>HAZARD</u>
POLYETHYLENE	94%	NONE	NONE NOTED
ANTI BLOCK	750PPM	NONE	NONE NOTED
SLIP	6%	NONE	NONE NOTED

SECTION 3 - HEALTH INFORMATION

INHALATION: Fumes may be generated in operations using heated polyethylene.

INGESTION: Acute oral doses of 7.95 g/kg fed to rats showed no evidence of adverse effects. Dietary levels of 1.25, 2.5, or 5 percent polyethylene for 90 days produced no adverse effects in rats.

EYE CONTACT: Not determined

SKIN CONTACT: Molten or heated material can cause serious burns to unprotected skin.

SECTION 4 - OCCUPATIONAL EXPOSURE LIMITS

SECTION 5 - EMERGENCY FIRST AID

FOR OVER EXPOSURE BY:

SWALLOWING: No need anticipated.

SKIN CONTACT: If contacted by molten polymer, immediately flush area with cold water. Get medical attention promptly.

EYE CONTACT: No need anticipated

INHALATION: No need anticipated, however if occurs remove victim to fresh air. If victim has stopped breathing, give artificial respiration, preferably mouth to mouth, and GET MEDICAL ATTENTION IMMEDIATELY.

SECTION 6 - PHYSICAL DATA

BOILING POINT: Does not apply.

MELTING POINT: Crystalline, 219 - 239 F (ASTM D 2117)

VAPOR PRESSURE: Does not apply.

SPECIFIC GRAVITY: .910 TO .930 g/cc (ASTM D 792)

VAPOR DENSITY: Does not apply.

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Flexible film no noticeable odor.

SECTION 7 - FIRE AND EXPLOSION HAZARDS

FLASH POINT: Does not apply

AUTO IGNITION TEMP.: Approx. 645 F

FLAMMABLE LIMITS IN AIR: Does not apply

NFPA RATING: Does not apply

FIRE FIGHTING PROCEDURES: (Note: Individuals should perform only those fire fighting procedures for which they have been trained.) Use water spray, dry chemical, foam or carbon dioxide. If possible, water should be applied as a spray from a fogging nozzle since polyethylene is a surface burning material.

UNUSUAL FIRE & EXPLOSION HAZARDS: Fire fighters should wear self contained breathing apparatus in the positive pressure mode with a full face

decomposition products. The application of high velocity water will spread the burning surface layer.

SECTION 8 - REACTIVITY

STABILITY: Generally stable

HAZARDOUS POLYMERIZATION: Not likely

CONDITIONS & MATERIALS TO AVOID: May burn or react violently with fluorine/oxygen mixtures with 50 to 100% fluorine. Maybe decomposed by strong oxidizing agents such as nitric and sulfuric acid, halogens and chlorinating agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition products may include C, CO, CO₂, H₂O.

SECTION 9 - EMPLOYEE PROTECTION

CONTROL MEASURES: Handle in the presence of adequate ventilation.

RESPIRATORY PROTECTION: Does not apply.

PROTECTIVE CLOTHING: Wear protective clothing if there is potential to come into contact with heated material.

EYE PROTECTION: We do not care what you are working with, it is always a good idea to wear safety glasses.

SECTION 10 - ENVIRONMENTAL PROTECTION

ENVIRONMENTAL PRECAUTIONS: Does not apply.

SPILL OR LEAK PROCEDURES: Film may represent a slipping hazard; scoop and sweep up or use industrial vacuum cleaner.

WASTE DISPOSAL: Reclaim where possible.

WATER SPILL: Recover spilled material and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure to local disposal regulations.

SECTION 11 - REGULATORY CONTROLS

DEPARTMENT OF TRANSPORTATION: Non-regulated commodity

OTHER REGULATORY REQUIREMENTS: None Noted

TOXIC SUBSTANCE CONTROL ACT: This product is listed in the TSCA Inventory of Chemical Substances.

SECTION 12 - PRECAUTIONS: HANDLING & STORAGE

Treat as a combustible solid. Store away from oxidizing materials in cool, dry place with adequate ventilation. Keep away from open flame and heat. Ground transfer equipment to avoid static discharge. Do not store in strong sunlight or under high intensity lamps for long periods of time.

The information presented herein is supposed to be factual as it has been derived from the works and opinions of people who are supposed to be qualified experts; however, nothing contained herein is to be taken as a warranty or representation for which BRENTWOOD PLASTICS INC. bears any legal responsibility. Any recommendations we make should be reviewed by the user and then the user should decide if anything in this MSDS is of any value whatsoever and if the recommendations or the information is appropriate to anything.

PREPARED BY: Brentwood Plastics Inc.
DATE: December 9, 2012

SUPERSEDES: BWP-MSDS-3.3

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