

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

PRODUCT NAME: Pressure sensitive adhesive Laminating Film

PRODUCT DESCRIPTION: Polypropylene/Pressure sensitive adhesive(PSA)

Section 2. Composition/Information on Ingredients

Chemical Name	Chemical Formula	Composition	CAS Number
Casting polypropylene	$(C_3H_6)_n$	55-56%	9003-07-0
Polyethylene	$(C_2H_4)_n$	15%	9002-88-4
Polyethyleneimine	$(CH_2CH_2NH)_n$	1-3%	25987-06-8
(PSA) Copolymer	C7H12O2	28-29%	141-32-2

Section 3. Hazard Identification

Physical and Chemical Hazards: Not available under normal condition

Adverse Human Health Effects: Not available under normal condition

Section 4. First Aid Measures

Not available under normal temperature.

Eyes If this material contacts the eyes: immediately flush eyes thoroughly with running water for 5 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing and get medical attention immediately.

Skin If this material contacts the skin: brush off excess dust and wash the affected areas with soap and large amounts of water. Get medical attention if irritation persists. Skin cuts and abrasion can be treated with standard first-aid. If molten material contacts skin, then treat affected area with cool running water for at least 5 minutes and then seek medical attention.

Section 5. Fire-Fighting Measures

FLASH POINT NA

FLAMMABLE LIMITS NA

FIRE EXTINGUISHING MEDIA

Water spray from fogging nozzle, carbon dioxide, foam or dry chemical. SPECIAL

FIRE FIGHTING PROCEDURES

(Note: Individuals should perform only those fire-fighting procedures for which they have been trained.) Fire fighters should wear self-contained breathing apparatus in the positive pressure mode with a full-face piece when there is a possibility of exposure to smoke, fumes or hazardous decomposition product. The application of high velocity water will spread the burning surface layer.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Dense smoke is emitted when burned without sufficient oxygen. Accumulation of fine dust particles may pose an explosive hazard.

Section 6. Accidental Release Measures

No special precautions necessary for spills. Sweep or pick up material to prevent a slipping hazard. Wear temperature protective gloves when handling hot material. Do not allow material to enter sewers or watercourses.

Spilled material can be reused or discarded.

Section 7. Handling and Storage

Handling: Use household practices to prevent accumulations of dust and keep airborne dust concentrations at a minimum. Ground all equipment and containers to prevent a static charge buildup. Use proper equipment to handle heavy rolls.

Storage: Keep the product away from sources of heat or fire. Keep the product from wetting. Place the product in a cool and drying room.

Section 8. Exposure Controls/Personal Protection

Use exhaust ventilation during lamination and further processing. Advisable to avoid cuts, skin abrasions or thermal burns.

Section 9. Physical and Chemical Properties

BOILING POINT	NA	SPECIFIC GRAVITY	0.90(H ₂ O=1)
VAPOR PRESSURE	NA	MELTING POINT	NA
VAPOR DENSITY	NA(Air=1)	EVAPORATION RATE	NA(Butyl Acetate=1)
SOLUBILITY IN WATER	Insoluble		
APPEARANCE AND ODOR	Translucent transparent, odorless film.		

Section 10. Stability and Reactivity

STABILITY	Stable at room temperature
INCOMPATIBILITY (MATERIALS TO AVOID)	PE or Polypropylene may burn or react violently with fluorine-oxygen mixtures with more than 50% fluorine. Polypropylene over 400 °F (204 °C) may produce irritating fumes.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS	Thermal decomposition products may include carbon, carbon monoxide, carbon dioxide, organic acids, (acetic acids), aldehyde (formaldehyde), acrolin, organic vapors or vinyl acetate monomer.
HAZARDOUS POLYMERIZATION	Will not occur.

Section 11. Toxicological Information

ROUTE(S) OF ENTRY	INHALATION Dust only SKIN No INGESTION No
HEALTH HAZARDS (ACUTE and CHRONIC)	No health hazard or toxicity information exists specifically for this material. Data for major health components are given instead. For each component in this material, the percent by weight can be used as a rough guide to the component's likely significance. The components of this material have a limited potential for release under normal conditions of use, transportation and storage. Increased release may occur when the material is heated or subjected to processes which generate gasses, fumes or dusts. The specific potential for release under user's condition of handling of this material should be evaluated by the user. Heating Polypropylene above 400°F (204°C) may produce fumes that are irritating to the eyes, nose and throat;resulting in reddening, tearing and itching of the eyes; and soreness in the nose and throat, together with coughing.
INHALATION	Low hazard for usual handling and use. Film material may cause suffocation if placed over the face. Vapors are unlikely due to physical properties. Cutting may produce dusts. Single exposure to dust is not likely to be hazardous.
SKIN	Essentially nonirritating to skin. Mechanical injury only. A singly prolonged skin exposure is not likely to result in material being absorbed through skin in harmful amounts.
EYES	No specific hazard known. However, any material that contacts the eye may cause irritation or corneal injury due to physical properties.
INGESTION	Ingestion of significant amounts of material is unlikely. Ingestion may cause

choking if swallowed. Single dose oral toxicity is believed to be very low.

Considered physiologically inert.

UNUSUAL CHRONIC TOXICITY None reported

MEDICAL CONDITIONS GENERALLY AGGRAVATED EXPOSURE None Reported

Section 12. Ecological Information

None Reported.

Section 13. Disposal Information

WASTE DISPOSAL METHOD This product should be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local government regulations.

Section 14. Transport Information

Keep product drying during transport, don't dropping or shock the product when handling it. Avoid the sunshine and heat resource, avoid the damage of packaging.

SHIPPING NAME: Plastic Film

Section 15. Regulatory Information

HAZARD CLASS: Not Regulated

Warnings related to danger and safety: None

Section 16. Other Information

The information contained herein is accurate to the best of our knowledge and belief. However, we make no guarantee of results and assume no liability for damages incurred by use of this material since the conditions of handling and use are beyond our control. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. The user is solely responsible for final determination of suitability of this product. Users of any chemical product should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. It is the responsibility of the user to comply with all applicable government regulations.