



MSDS for Pressure Sensitive Labelstock

1. PRODUCT and COMPANY IDENTIFICATION

Product Name:	Pressure Sensitive Labelstock
Product Identification:	This MSDS applies to all Pressure Sensitive Labelstock sales codes.
Generic Description:	Laminated paper, foil or plastic film with an adhesive coating on the face stock and release coating on the backing material.
Product Use:	Pressure-sensitive adhesive labels
Manufacturer:	UPM Raflatac, Inc. 400 Broadpointe Drive Fletcher, NC 28732 (828) 651-4800

2. HAZARDS IDENTIFICATION

Emergency Overview:

The product is non-hazardous under normal conditions of use. It will burn if ignited or in continuous contact with intense heat. Processing of this product may produce dust. Accumulated dust is combustible and can be explosive if disturbed in the presence of a spark or other ignition source.

Potential Health Hazards:

Skin:	Pressure-sensitive adhesive may stick to skin and cause superficial injury. Edges of material are sharp and can produce cuts, particularly if material is being rewound or slit at high speed. Dust exposure may cause drying and slight mechanical irritation. Prolonged or repeated contact with dust may cause an allergic skin reaction.
Eyes:	Dust exposure may cause drying and mechanical irritation.
Inhalation:	Dust inhalation may cause drying and irritation of the upper respiratory tract (mouth, nose and throat).
Ingestion:	Potential mechanical irritation of the digestive tract.
Chronic effect:	None known.
Carcinogens:	No ingredient is listed on the NTP, IARC or OSHA carcinogen lists.



UPM

MSDS for Pressure Sensitive Labelstock

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>Weight %</u>
Paper, aluminum foil or polyester film	80 – 95
Acrylic or rubber adhesive	5 – 20
Silicone release agent	<1
Dust from handling and processing	trace

4. FIRST AID MEASURES

Skin:	Wash with soap and water. If a rash or persistent irritation or dermatitis occur, get medical attention and advice before returning to work where dust is present.
Eyes:	Flush with water to remove dust particles. Get medical attention if irritation persists.
Inhalation:	Move to fresh air. Get medical attention if persistent irritation, severe coughing or breathing difficulties occur.
Ingestion:	Not applicable.

5. FIRE FIGHTING MEASURES

Accumulated dust may form explosive dust-air mixture.

Extinguishing Media:

Water, CO₂, Sand, Foam, Dry Chemical or other agents as appropriate for materials in surrounding fire. Caution: CO₂ will displace air in confined spaces and may cause an oxygen deficient atmosphere.

Special Fire Fighting Procedures:

Use water to wet down accumulations of paper dust to reduce the likelihood of ignition or dispersion of dust into the air. Remove burned or wet dust to open area after fire is extinguished.

Protection of Firefighters:

Firefighters should wear self-contained breathing apparatus and full fire-fighting turn-out gear.

6. ACCIDENTAL RELEASE MEASURES

Not applicable for solid product. For dust generated during processing, vacuum up and containerize.



MSDS for Pressure Sensitive Labelstock

7. HANDLING and STORAGE

Use mechanical equipment to minimize musculoskeletal strain from handling heavy containers and rolls.

Provide cool, moisture-free storage away from combustion sources.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

OSHA PEL	ACGIH TLV [®]
<u>Particulates Not Otherwise Regulated</u>	<u>Particulates Not Otherwise Specified</u>

Dust from handling and processing:	TWA 15 mg/m ³ (total)	TWA 10 mg/m ³ (inhalable)
	TWA 5 mg/m ³ (respirable)	TWA 3 mg/m ³ (respirable)

Engineering Controls:

No specific controls are needed. Provide adequate general and local exhaust ventilation to maintain healthful working conditions in accordance with good practice.

Personal Protective Equipment:

Skin: Gloves may be worn to prevent paper cuts.

Eye / face: Use of safety glasses or goggles is recommended to prevent contact with paper and dust.

Respirator: Not required in ordinary use. NIOSH-approved N-95 or N-100 air-purifying respirator for dusty conditions.

General Hygiene Considerations:

Avoid repeated or prolonged dust inhalation or contact with skin in accordance with good practice. Wash thoroughly after handling and before eating or drinking.

9. PHYSICAL and CHEMICAL PROPERTIES

Appearance: Paper, foil or plastic film with pressure-sensitive adhesive on one side, protected with paper or plastic film backing.

Odor: Mild acrylic or rubber odor when the backing is removed.

Odor threshold: Not available

Physical state: Solid, sticky adhesive layer.

pH: Not applicable

Freezing point: Not applicable



MSDS for Pressure Sensitive Labelstock

Boiling point:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Autoignition temperature:	Variable (typically 400 – 500°F)
Lower explosive limit (dust):	Not available, typically on the order of 40 – 60 g/m ³
Vapor pressure (adhesive):	Not available
Specific gravity:	Not available
Solubility (water):	Insoluble
% Volatiles:	Not available

10. STABILITY and REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	Exposure to open flame or temperatures exceeding recommended processing temperatures. Product may ignite at temperatures in excess of 400°F.
Incompatible materials:	Strong oxidizers, acids, bases, and drying oils.
Hazardous decomposition products:	Fire combustion gases include CO, CO ₂ , other hydrocarbons and water.
Hazardous polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Routes of Exposure:	Eye, skin or inhalation contact with dust produced in processing.
Oral Toxicity:	Not determined
Dermal Toxicity:	Not determined
Inhalation Toxicity:	Not determined
Primary irritation Effect:	Not determined
Carcinogenicity:	Not determined
Mutagenicity:	Not determined
Reproductive/	Not determined



MSDS for Pressure Sensitive Labelstock

Developmental Toxicity:

12. ECOLOGICAL INFORMATION

Mobility (water, soil, air):	Not determined
Persistence/Degradability:	Not determined
Bio-accumulation:	Not determined
Acute Fish Toxicity:	Not determined
Acute Crustaceans Toxicity:	Not determined
Acute Algae Toxicity:	Not determined

13. DISPOSAL CONSIDERATIONS

Recycle, landfill or incinerate in accordance with applicable federal, state and local regulations.

Waste product and dust from processing and handling do not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

14. TRANSPORT INFORMATION

US DOT (ground):	Not restricted
Canada TDG (ground):	Not restricted
ICAO (air):	Not restricted
IMDG (sea):	Not restricted

15. REGULATORY INFORMATION

OSHA:	This product is not considered hazardous by the Hazard Communication Standard 29 CFR 1910.1200. It is a manufactured article which does not release or otherwise result in exposure to a hazardous chemical under normal conditions of use.
TSCA:	All components are listed on the TSCA Inventory.
CERCLA RQ:	Not applicable
SARA Title III:	Not applicable



MSDS for Pressure Sensitive Labelstock

RCRA:	Not a hazardous waste if discarded.
FDA:	All of UPM Raflatac's North American products have been approved for indirect food contact with dry or moist non-fatty foodstuffs. UPM Raflatac's RP36ML is approved for direct food contact with dry or moist fatty foodstuffs such as with fruit, vegetable and meat labeling.
CA Proposition 65:	This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins at levels which would be subject to the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).
MA Right-to-Know:	Not listed
NJ Right-to-Know:	Not listed
PA Right-to-Know:	Not listed

16. OTHER INFORMATION

HMIS® Hazard Ratings (for dust): Health – 1, Flammability – 3, Physical Hazards – 0

NOTE: HMIS® ratings give a rapid general impression of material hazards and may vary from company to company. All of the information contained in this document should be considered for safe handling of this product.

Revision Date: June 2006
Supersedes Date: October 2004

Prepared By: Randy Hart, CSP

Additional Information

For additional information on the use of this product or this MSDS, contact UPM Raflatac, Inc. at (828) 651-4800 or see www.upmraflatac.com/northamerica/eng/products/ for specific product information and technical specifications.

Disclaimer Statement

This document follows the format of the *American National Standard for Hazardous Industrial Chemicals – Material Safety Data Sheets (ANSI Z400.1-2004)*. The information given herein is based on data provided by the manufacturers of each ingredient contained in the product and data derived from other references. This information is for guidance only, it is based on our most up-to-date knowledge and experience. However, this statement does not constitute any warranty, express or implied.