



MATERIAL SAFETY DATA SHEET
 VACUMET CORPORATION, METALLIZED PAPER DIVISION
 5705 COMMERCE BOULEVARD, MORRISTOWN, TN 37814

VACUMET MSDS NUMBER: 3002
 REVISION NUMBER: 3

DATE REVISED: 8/06/04

===== I. GENERAL INFORMATION

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- **TRADENAME:** Metallized Paper
 - **MANUFACTURER'S NAME:** VACUMET Corporation, Metallized Paper Division
 - **MANUFACTURER'S ADDRESS:** 5705 Commerce Boulevard
Morristown, TN 37814
 - **EMERGENCY TELEPHONE NUMBER:** (423) 586-5021
 - **GENERAL INFORMATION TELEPHONE NUMBER:** (423) 586-5021
 - **CHEMICAL NAME:** Metallized Paper
 - **SYNONYMS:** None
 - **CHEMICAL FAMILY:** Coated Paper Product
 - **FORMULA:** Mixture

===== II. HAZARDOUS COMPONENTS

<u>COMPONENT</u>	<u>PEL</u>	<u>TLV</u>	<u>OTHER STANDARDS</u>
Antimony Compounds*(1309-64-4)**(600 ppm)	0.5 mg/M ³	0.5 mg/M ³	
Nuisance dust may be generated during manual cutting of this paper/film; if so, then	15 mg/M ³	10 mg/M ³ (total dust) 3 mg/M ³ (respirable fraction)	

(S) INDICATES MATERIAL MAY PENETRATE SKIN CONTRIBUTING TO TOTAL DOSE

* INDICATES SARA 313 LISTING

** INDICATES CALIFORNIA PROPOSITION 65 LISTING

===== III. PHYSICAL DATA

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- **BOILING POINT (1F):** Not Applicable
 - **VAPOR PRESSURE (mmHg):** << 1 mmHg
 - **EVAPORATION RATE (Butyl Acetate=1):** <<1
 - **SOLUBILITY IN WATER:** Slightly soluble
 - **APPEARANCE AND ODOR:** Paper material with silvery coating on one side with no appreciable odor
 - **SPECIFIC GRAVITY (H₂O=1):** >1 gm/cc
 - **MELTING POINT (1F):** Paper does not readily melt

===== IV. FIRE AND EXPLOSION HAZARD

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- **FLASHPOINT (1F):** >500°F
 - **FLAMMABLE LIMITS (%) - LEL:** Not Applicable
 - **AUTOIGNITION TEMPERATURE (1F):** >500°F
 - **RECOMMENDED EXTINGUISHING MEDIA:** Water, carbon dioxide, dry chemical, and alcohol foam are recommended. Water spray may be useful in controlling fire by keeping adjacent rolls of paper cool.
 - **UEL:** Not Applicable

- **RECOMMENDED SPECIAL FIRE FIGHTING TECHNIQUES:** Use appropriate fire fighting protective gear including self-contained breathing apparatus. Contain runoff water as it may be considered a hazardous material. Do not breathe the smoke from the fire.

- **UNUSUAL FIRE AND EXPLOSION HAZARDS:** The smoke coming from the combustion of this material is of unknown composition. The smoke may contain oxides of aluminum, carbon monoxide and carbon dioxide along with other hazardous materials in unknown quantities. Risk during a fire is unknown.

===== V. REACTIVITY DATA

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- **STABILITY (Stable or Unstable):** Stable
 - **CONDITIONS TO AVOID:** Avoid extremes in high temperature that may cause damage to the product unless in controlled manufacturing operations. Material is otherwise very stable in typical environments.

 - **INCOMPATIBILITIES (Materials to Avoid Contact With):** The material is incompatible with very strong acids, bases, and other chemically reactive materials such as oxidizers.

 - **HAZARDOUS DECOMPOSITION PRODUCTS OR BYPRODUCTS:** None specifically known to VACUMET. The material is very stable in typical environments. Under conditions of combustion, smoke is of unknown composition. It is likely to contain quantities of oxides of aluminum, carbon monoxide, carbon dioxide and other products of combustion at unknown quantities.

===== VI. HEALTH HAZARD DATA

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- **ROUTES OF EXPECTED ENTRY - INHALATION:** No
 - **SKIN:** No
 - **INGESTION:** No
 - **HEALTH HAZARDS - ACUTE:** This paper product may cause dermal abrasions and/or paper cuts upon contact. Paper cuts may be common when handling and contacting edges of this material. No specific acute health effects have been seen or are expected with contact.

- **HEALTH HAZARDS - CHRONIC:** This paper product is not known to cause any delayed or chronic health effect. The product is used in some food contact applications.

- **CARCINOGENICITY - OSHA:** No
- **IARC:** No
- **NTP:** No
- **SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Mechanical skin injury such as abrasions or cuts.

- **MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None are known or specifically expected.

- **EMERGENCY FIRST AID PROCEDURES + INHALATION:** Not a likely route of entry for this paper product. If exposed to smoke from combustion of this material, remove to fresh air if safe to enter and remove for site of incident. If not breathing, conduct rescue breathing if trained to do so. Administer oxygen if needed and trained to properly administer oxygen.

- + **SKIN:** Not a likely route of entry for this paper product. If unexpected contact occurs, wash affected skin and eye tissue with water. Conduct routine first aid for expected cuts/abrasions if present.

- + **INGESTION:** The material is not known to cause any ingestion-related toxicity. If ingested, it may be worthwhile to contact a poison control center and/or physician familiar with polymers to seek any specific recommendation concerning

appropriate care.

===== VII. HANDLING PROCEDURES

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- **STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR UNEXPECTED RELEASE:** Sweeping or other manual handling should be used to clean up spilled paper material. No specific personal protective equipment is recommended for handling other than equipment required by the facility safety program for handling non-hazardous waste materials.

- **RECOMMENDED WASTE DISPOSAL METHOD:** Material is considered to be non-hazardous under current laws and regulations. Check with local and state agencies to determine if other laws and regulations are present that would change or modify this determination. Material may be disposed of by landfilling in a sanitary landfill. If possible, material should be recycled for paper fiber content.

- **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in cool, dry area for best handling and use.

- **OTHER PRECAUTIONS RECOMMENDED:** None specifically recommended.

===== VIII. CONTROL MEASURES

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- **RESPIRATORY PROTECTION RECOMMENDED:** In typical handling, no respiratory protection should be needed. If a dust is generated during handling and use, air-purifying respirators should be adequate for protection following the facilities respiratory protection program. If an emergency or uncontrolled release of a large quantity of this material in dust form occurs or if a fire occurs, supplied air or self-contained breathing apparatus should be used.

- **VENTILATION RECOMMENDED + LOCAL EXHAUST:** If the material is cut or mechanically abraded under normal conditions of manufacturing, local exhaust ventilation may be needed for dust removal. If heated to combustion, facility safety staff should evaluate need for additional control.

+ **GENERAL VENTILATION:** Recommended for general comfort and odor control as necessary for handling and use of this material.

+ **SPECIAL VENTILATION:** None specifically recommended.

+ **OTHER VENTILATION:** None specifically recommended.

- **PROTECTIVE GLOVES RECOMMENDED:** Gloves are recommended to prevent possible cuts and abrasion in handling this film material.

- **EYE PROTECTION RECOMMENDED:** Safety glasses are recommended for the handling of potentially dusty/powdered materials through the facility's safety program involving eye protection. If a splashing/dust cloud is generated, goggles or other protective eye/face protection may be necessary.

- **OTHER PROTECTIVE CLOTHING AND EQUIPMENT RECOMMENDED:** None specifically recommended.

- **WORK/HYGIENE PRACTICES RECOMMENDED:** Good personal hygiene is recommended. Washing after contact with this material is recommended prior to eating, drinking, smoking or using the toilet. Storing food, drink, or other

personal items in the same area where this material is handled and used is not recommended. Do not blow down dusty clothing with air since this may produce a dust cloud.

===== IX. VACUMET SPECIFIC INFORMATION

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- NFPA HEALTH RATING: 0
- NFPA FIRE RATING: 0
- NFPA REACTIVITY RATING: 0
- SPECIAL RATINGS: None

- EPA WASTE NAME AND NUMBER: Not applicable – judged non-hazardous by current regulations.

- DOT NAME AND NUMBER: Not applicable

- DOT LABELLING REQUIREMENTS: None

- DOT HAZARD GUIDE: None applicable to this material

- OTHER INFORMATION: None

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This Material Safety Data Sheet is provided to you as a means of conveying information about the proper handling and use of this product. It is completed with the best information available to VACUMET INCORPORATED at the time of its preparation. It does not provide a warranty for the product. VACUMET INCORPORATED believes that this product can be used safely if the ideas and information presented above are used constructively as part of an overall safety, health, and environmental affairs program within your organization.

Revised by Scott Palmer