

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product: REINFORCED ASPHALTIC LAMINATED PAPERS

Manufacturer: HOLLAND MANUFACTURING CO., INC.

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SECTION II - COMPONENT DATA

PRODUCT INGREDIENTS	CAS NUMBER	TLV/PEL
Kraft Paper	-	-
Asphaltic Laminant	64742-93-4	-
Continuous Filament Fiberglass Reinforcing Yarns	65997-17-3	15 Mg/M ³ OSHA PEL 5 Mg/M ³ ACGIH TLV

HAZARDOUS INGREDIENTS*	CAS NUMBER	OSHA PEL	ACGIH TLV
Asphalt	64742-93-4	-	-
Fiberglass (As Respirable Nuisance Dust)	65997-17-3	5 Mg/M ³	3 Mg/M ³

* Substances listed in the Hazardous Ingredients section are those that have been determined to be health hazards and are present at a concentration of 1% or greater.

SECTION III - PHYSICAL DATA

BOILING POINT (°F): Not applicable MELTING POINT: Not applicable VAPOR PRESSURE: Not applicable
VAPOR DENSITY: Not applicable SPECIFIC GRAVITY: Not applicable SOLUBILITY: Negligible
APPEARANCE: Paper Lamination ODOR: Slight asphalt odor

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT: Not applicable
FLAMMABILITY LIMITS: LEL - Not applicable
UEL - Not applicable
AUTO IGNITION TEMPERATURE: > 230 °C
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Do not overheat product. Auto-ignition may occur if heated beyond 500°F.

EXTINGUISHING MEDIA: Water, Foam, Carbon dioxide, Dry Chemicals.
SPECIAL FIRE FIGHTING INSTRUCTIONS: Minimize breathing fumes, vapors, gases or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces.

SECTION V - REACTIVITY DATA

STABILITY (Conditions to Avoid): Stable
HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition (Combustion) may produce carbon monoxide, carbon dioxide and/or oxides of nitrogen.

SECTION VI - HEALTH HAZARD DATA

EYE CONTACT:

Acute: Direct contact may cause mechanical irritation.

Chronic: None known.

SKIN CONTACT:

Acute: Essentially no irritation.

Chronic: None known.

SKIN ABSORPTION:

Acute: Not likely to be absorbed.

Chronic: Not likely to be absorbed.

INGESTION: Not likely to occur under normal use and conditions.

Acute: Observe individual; if symptoms develop consult physician.

Chronic: None known.

INHALATION: As manufactured, product cannot be inhaled in its normal form. If an abnormal use creates dust, wear a NIOSH/OSHA approved respirator.

Acute: Not known

Chronic: Not known.

FOR FIBROUS GLASS: (Normal handling and use of this product does not cause the fiberglass reinforcement to be released from the product. The following information is provided as background on fibrous glass dust.)

ACUTE: Mechanical irritation of the mouth, nose and throat.

CHRONIC: In June, 1987 the International Agency

for Research on Cancer (IARC) categorized fiber glass continuous filament as not classifiable with respect to human carcinogenicity. The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fiber glass continuous filament as a possible, probable, or confirmed cancer causing material. For additional information: Refer to the Material Safety Data Sheet for fiberglass continuous filament, available from Advanced Glassfiber Yarns, 2558 Wagener Rd., Aiken, SC 29801; or, PPG Industries, Inc., Glass Group, Fiber Glass Products, One PPG Place, Pittsburgh, PA 152272.

SIGNS AND SYMPTOMS OF EXPOSURE: None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

SECTION VII - FIRST AID

SKIN: Wash with soap and water.

EYES: Irrigate with water for at least 15 minutes. Seek medical attention if irritation persists.

INGESTION: Not likely to occur under normal use and conditions. If symptoms develop, consult physician.

INHALATION: Normally none required. For exposure to fumes from thermal decomposition, move person to fresh air. If breathing has stopped, apply artificial respiration. Get immediate medical assistance.

SECTION VIII - SPECIAL HANDLING AND DISPOSAL INFORMATION

SKIN PROTECTION: Not normally required.

VENTILATION: Not required for normal use and conditions.

EYE PROTECTION: Not normally required.

RESPIRATORY PROTECTION: Not required for normal use and conditions. If any abnormal use or condition produces local dust, wear NIOSH/OSHA approved respirator.

DISPOSAL METHOD: In accordance with applicable, state and federal regulations.

SECTION IX - SPECIAL PRECAUTIONS/ADDITIONAL INFORMATION

HAZARDOUS MATERIAL PROPER SHIPPING NAME: Not regulated by DOT.

HAZARD CLASS: Non-hazardous

SPECIAL HANDLING OR SHIPPING PRECAUTIONS: None required.

UN IDENTIFICATION NUMBER: None

ADDITIONAL INFORMATION: None

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