



Effective Date

1 February 1995

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Revision

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SUBJECT:

MATERIAL SAFETY DATA SHEET

MANUFACTURER: Pres Glas® Corporation
ADDRESS: 825 E. Main Street; Greenfield, Indiana 46140
PHONE: (317) 462-9201

I. PRODUCT NAME (S)

Back Panel Liners
Cab Liners
Ceiling Diffusers
Engine Cover-Insulator
Engine Liners
Fenderwell Insulators
Fiberglass Ceilings
Fiberglass Turn Vanes
Floor Pan Insulators
Heat Shields
Insul-Liner

Insul-Quilt
Insul-Trim
Interior Trim Insulators
Noise Shields
Precision Board
Tac™ Board
Under Hood Liners
Waffle Board-Pres Glas®

*Some of the products listed may contain one or more of the following: Facings and/or Backings, Barrier or Foils, which may generate toxic gases during Thermal Decomposition. Refer to Section IV & VI for more detailed data.

While the information and recommendations set forth herein are believed to be accurate as of the date of preparation, THE MANUFACTURER MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

For additional information contact: Max E. Sumpter Jr. (317) 462-9201

II. PRODUCT INGREDIENTS

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>%</u>	<u>PEL AND TLV (Except as noted)</u>
Fibrous Glass	65997-17-3	86-91	3 Fibers/CC-NIOSH 5 mg/M ³ - NUISANCE RESPIRABLE - OSHA 10 mg/M ³ - NUISANCE TOTAL - ACGIH
Phenolic Resin (cured)	25104-55-6	5-8	NA
*Aluminum	7429-90-5	2	10 mg/M ³

* On Selected Assemblies Only

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BOILING POINT (°F): NA** SPECIFIC GRAVITY (H₂O=1): VARIABLE
MELTING POINT NA
VAPOR PRESSURE (mmHg @ 20°C): NA
PERCENT VOLATILE BY VOLUME: NA
VAPOR DENSITY (AIR=1): NA EVAPORATIVE RATE (ETHYL ETHER=1): NA
SOLUBILITY IN WATER: INSOLUBLE pH: NA
APPEARANCE AND ODOR: Yellow or black insulation. No appreciable odor. Some products have a vinyl, kraft paper, foil or glass cloth facing.

**NA=Not Applicable

IV. FIRE & EXPLOSION HAZARD DATA

FLASH POINT (°F): NA METHOD USED: NA
FLAMMABILITY LIMITS: LEL: NA UEL: NA
AUTO-IGNITION TEMPERATURE (°F): NA
EXTINGUISHING MEDIA: Water, Foam, Dry Chemical, CO₂
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Resin and paper or plastic facings will burn causing dense acrid smoke. Vinyl faced products in fire conditions give off hydrogen chloride, a highly irritating gas.
SPECIAL FIRE-FIGHTING INSTRUCTIONS:
Wear self-contained breathing apparatus.

V. HEALTH HAZARD DATA

PRIMARY ROUTE (S) OF ENTRY: Inhalation, skin and eye contact.
HEALTH HAZARDS (ACUTE AND CHRONIC)

INHALATION:

ACUTE: Mechanical irritation of the mouth, nose and throat.
CHRONIC: The International Agency for Research on Cancer (IARC) has classified fiber glass wool as a possible cancer causing agent to humans. This classification was substantially based on experiments where fiber glass wool was injected or implanted in animals. However, animal inhalation studies with exposure to large quantities of glass fiber have not demonstrated an association between glass fibers and lung cancer. Additionally large scale human mortality studies of U.S. and European fiber glass wool factory workers did not provide conclusive evidence that fiber glass wool

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cancer in humans. However, IARC does regard it prudent to treat any material for which there is sufficient evidence of carcinogenicity in animals as if it were a possible carcinogen to humans.

SKIN CONTACT:

ACUTE: Transient mechanical irritation. Skin absorption does not occur.

CHRONIC: None Known

EYE CONTACT:

ACUTE: Direct eye contact will cause mechanical irritation.

CHRONIC: None Known

AGGRAVATED MEDICAL CONDITIONS:

Pre-existing upper respiratory and lung diseases may be aggravated by dust. The product is a mechanical irritant for skin, eyes and upper respiratory system.

SIGNS AND SYMPTOMS OF EXPOSURE:

Itching and irritation of upper respiratory tract.

CARCINOGENICITY: NTP LISTED IARC CLASSIFIED OSHA REGULATED

No

Yes

No

EMERGENCY & FIRST-AID PROCEDURES:

INHALATION: Remove to fresh air. Drink water to clear throat and blow nose to evacuate fibers.

SKIN CONTACT: Frequent rinsing of skin surface with water to remove accumulated fibers will minimize irritation. If irritation persists, consult physician. Treat as a mechanical irritant.

EYE CONTACT: Flush eye with flowing water for at least 15 minutes.

VI. REACTIVITY DATA

STABILITY: Material is stable. Hazardous polymerization will not occur.

INCOMPATIBILITY: Hydrofluoric acid will dissolve the fibrous glass.

HAZARDOUS DECOMPOSITION PRODUCTS: Facing and binder burns or decomposes in a fire. Decomposition products are carbon monoxide, carbon dioxide, carbon particulate and traces of hydrogen cyanide derived from pyrolysis of resin. Vinyl faced products will emit hydrogen chloride in a fire.

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VII. SPILL, LEAK & DISPOSAL PROCEDURES

ACTION TO TAKE FOR SPILLS:

Dust release from insulation - Vacuum clean dust. Use a dust suppressant if sweeping is necessary.

WASTE DISPOSAL METHOD:

Fibrous glass is generally classified as a nonhazardous waste and disposal may be in land fill for noncritical materials. Local regulations should be consulted.

EPA HAZARDOUS WASTE NUMBER: NA

This material is not regulated under the "RCRA" hazardous waste regulations.

VIII. SPECIAL PROTECTION INFORMATION

VENTILATION: Use sufficient natural or mechanical ventilation to maintain airborne dust concentration below TLV.

RESPIRATORY: Wear a disposable mask designed for nuisance type dusts such as 3M Model 9900 or its equivalent.

EYE AND FACE: Safety glasses, goggles or face shields should be worn when materials are being handled or applied.

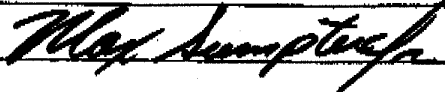
GENERAL: Wear long-sleeved, loose fitting clothing, gloves and head covering. Wash work clothes separately from other clothing to prevent glass fiber migration. Rinse washer thoroughly.

IX. SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Keep material dry and minimize the generation of dust.

OTHER PRECAUTIONS: Wash work clothes separately from other clothing to prevent glass fiber migration. Rinse washer thoroughly after completion of washing work clothes.

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