



SDS Number: BXP110-115-120-130

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**SECTION 1 • PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME OR NUMBER: **THERMOSEAL® Thermal Coating P110, 115, 120, 130**

COMPANY:	Mid-Mountain Materials, Inc.	TELEPHONE:	206-762-7600
ADDRESS:	Office: PO Box 800 2731 77th Ave. SE, Ste. 100 Mercer Island, WA 98040	EMERGENCY TELEPHONE NUMBER:	800-382-2208
	Plant: 18825 67th Ave. NE Arlington, WA 98223	FAX:	206-762-7694

**SECTION 2 • HAZARDS IDENTIFICATION EMERGENCY OVERVIEW**



POTENTIAL HEALTH EFFECTS

MEDICAL CONDITIONS THAT MAY BE AGGRAVATED: Pre-existing upper respiratory and lung diseases may be aggravated by dust.

TARGET ORGANS: Skin, eyes, and lungs.

ACUTE HEALTH EFFECTS: Mechanical irritation of respiratory system, skins, and eyes.

CHRONIC HEALTH EFFECTS: Exposure to "after service" dust containing cristobalite may be aggravated by dust.

PRIMARY ROUTE(S) OF EXPOSURE: Inhalation, eye and skin contact.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

INHALATION: Overexposure to dust may cause irritation or soreness in the throat and nose.

SKIN CONTACT: Irritation or rash.

EYES: Irritation or inflammation of the eyes.

INGESTION: May cause irritation to the gastro-intestinal tract.

**SECTION 3 • COMPOSITION / INFORMATION ON INGREDIENTS**

COMMON NAME	C.A.S. NUMBER	% wt/wt
Aluminum Oxide	1344-28-1	30-70
Silica, Amorphous	7631-86-9	20-50
Crystalline silica (cristobalite)	14464-46-1	Trace
Titanium Dioxide	13463-67-7	1-5
Smectite Clay	12199-37-0	1-5

**SECTION 4 • FIRST-AID MEASURES**

EMERGENCY/FIRST-AID PROCEDURES

SKIN: If product gets on skin, wash area with mild soap and water. If any irritation occurs seek medical attention

EYES: If particles get in eyes flush with plenty of water for 15 minutes. If any irritation occurs, seek medical attention.

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

INGESTION: Do not induce vomiting.

**SECTION 5 • FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING INSTRUCTIONS: Use self-contained breathing apparatus and complete protective equipment to protect against hazardous decomposition and combustion products.

**SECTION 6 • ACCIDENTAL RELEASE MEASURES**

ACTION TO TAKE FOR SPILLS/LEAKS

Use HEPA-filtered vacuum cleaner or wet sweeping methods to collect loose material. Avoid generation of airborne fibrous particles during clean-up operation.

WASTE MANGEMENT:

This product is not listed as a hazardous waste nor does it exhibit any characteristics of a hazardous waste.

**SECTION 7 • HANDLING AND STORAGE**

HANDLING AND STORAGE PROCEDURES: Store in original containers. Avoid conditions that could generate fiber dust.



### **SECTION 8 • EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **ENGINEERING CONTROLS/WORK PRACTICES:**

VENTILATION: (Local Exhaust) recommend when appropriate to control employee exposure, especially at points where fragmentation or particulate generation may occur.

#### **PERSONAL PROTECTIVE EQUIPMENT/PROTECTIVE MEASURES**

RESPIRATORY PROTECTION: use with adequate ventilation; where ventilation or other controls are in adequate use NIOSH/MDHS approved particulate respirators in compliance with OSHA Respiratory Standard 29 CFR 1910.134 and 29 CFR 1926.103 for the particular hazard or airborne concentrations to encountered in the work environment.

PROTECTIVE CLOTHING: Use barrier gloves if handling produces skin irritation.

EYE PROTECTION: Safety eyewear may be appropriate when handling.

OTHER PROTECTIVE EQUIPMENT: Barrier creams and long sleeve garments may be used to prevent fibrous matter from contacting exposed skin. Wash hands after handling. Wash contaminated clothing separately. Disposable coveralls are recommended if excessive dusting occurs.

EXPOSURE GUIDELINES: Maintain work areas free of loose material. Use proper work practices and good personal hygiene when handling product.

### **SECTION 9 • PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Wet thick paste.

COLOR AND ODOR: White/Off white, no odor.

pH: 9-10

MELTING POINT: N/A

BOILING POINT: N/A

FLASH POINT: N/A

EVAPORATIVE RATE (n-Butyl Acetate = 1): Air dry

FLAMMABILITY LIMITS: N/A

LOWER EXPLOSIVE LIMIT: N/A

UPPER EXPLOSIVE LIMIT: N/A

VAPOR PRESSURE: (mm/Hg @ 20°C): N/A

% SOLUBILITY IN WATER: Soluble but insoluble when dry

SPECIFIC GRAVITY (water = 1): Density 75 -85 lbs./cu.ft. Wet

AUTO IGNITION TEMPERATURE: N/A

VISCOSITY: N/A

% VOLATILE BY VOLUME: 0

POUR POINT: N/A

### **SECTION 10 • STABILITY AND REACTIVITY**

STABILITY: Stable under normal conditions of use.

INCOMPATIBILITY: Not known.

HAZARDOUS DECOMPOSITION PRODUCTS: None known. May be some carbon dioxide, carbon monoxide, and water from fire.

HAZARDOUS POLYMERIZATION: Will not occur.

### **SECTION 11 • TOXICOLOGICAL INFORMATION**

Normal conditions of use and application are not expected to release respirable particulates.

Reported Human Effects: No human toxicity studies have been carried out with this product.

Prolonged or repeated skin contact may cause irritation.

Direct eye contact may cause irritation.

There is a low order of acute oral and dermal toxicity. However minute aspirated into the lungs during ingestion and vomiting will cause lung injury and possibly death.

Reported Animal Effects: No animal toxicity studies have been carried out with this product.

### **SECTION 12 • ECOLOGICAL INFORMATION**

Adverse affects of this product on the environment have not been identified.

### **SECTION 13 • DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: Incineration is ineffective because product does not burn. Waste material should be bagged or containerized, sealed and disposed of in an approved landfill in accordance with federal, state, and local regulations. Product as shipped is not considered a hazardous waste under current RCRA regulations. It is the responsibility of the product user to determine at the time of disposal whether a material derived from the product should be classified as a hazardous waste (10CFR 261.20-24).

### **SECTION 14 • TRANSPORT INFORMATION**

UN/NA CODE: N/A

PROPER SHIPPING NAME: N/A

HAZARD CLASS: Not regulated.

DOT INFORMATION: Not regulated.

LABELS REQUIRED: N/A

BILL OF LADING DESCRIPTION: Product name.

### **SECTION 15 REGULATORY INFORMATION**

CANADA DSL/NDL: In compliance

US TSCA: In compliance

WHMIS classification: Not controlled

OSHA regulated: Not controlled

CALIFORNIA PROP 65: The Safe Drinking Water and Toxic Enforcement Act of 1986, has listed "Silica, crystalline (airborne particles of respirable size)" and "Titanium dioxide (airborne, unbound particles of respirable size)" as materials known to the State of California to cause cancer.

### **SECTION 16 • OTHER APPLICABLE INFORMATION**

N/A

### **DEFINITIONS**

29 CFR 1910.134 & 1926.103:

OSHA Respiratory Protection Standards

29 CFR 1910.1200 & 1926.59:

OSHA Hazard Communication



ACGIH American Conference of Governmental Industrial Hygienists  
ADR Carriage of Dangerous Goods by Road (International Regulation)  
CAA Clean Air Act  
CAS Chemical Abstract Services  
CERCLA Comprehensive Environmental Response, Compensation and Liability Act  
CFR Code of Federal Regulations  
DOT Department of Transportation  
DSL Domestic Substances List (Canada)  
EEC European Economic Committee  
EINECS European Inventory of Existing Commercial Chemical Substances  
EPA Environmental Protection Agency  
EU European Union  
HEPA High Efficiency Particulate Air  
HMIS Hazardous Materials Information System  
IARC International Agency for Research on Cancer  
IATA International Air Transport Association  
IMDG International Maritime Dangerous Goods Code  
LC Lethal Concentration  
LD Lethal Dose  
NFPA National Fire Protection Association  
NIOSH National Institute for Occupational Safety and Health  
NTP National Toxicology Program  
OSHA Occupational Safety and Health Administration  
PEL Permissible Exposure Limit  
PIN Product Identification Number  
PNOC Particulates Not Otherwise Classified  
PNOR Particulates Not Otherwise Regulated  
RCRA Resource Conservation and Recovery Act  
RID Carriage of Dangerous Goods by Rail (International Regulation)  
SARA Superfund Amendments and Reauthorization Act  
STEL Short Term Exposure Limit  
TCLP Toxic Chemical Leachate Program

TDG Transportation of Dangerous Goods

**TITLE III EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT - SECTION:**

302 Extremely Hazardous Substances  
303 Emergency Release  
311 SDS/List of Chemicals  
312 Emergency and Hazardous Inventory  
313 Toxic Chemicals Release Reporting

TLV Threshold Limit Value  
TSCA Toxic Substance Control Act  
TWA Time Weighted Average  
WHMIS Workplace Hazardous Materials Information System  
µm micrometer (micron)  
mm millimeter  
cm centimeter  
m meter  
f/cc fibers per cubic centimeter  
ml milliliter  
in inch  
oz ounce  
lb pound  
µg microgram  
mg milligram  
g gram  
kg kilogram  
µg/cm<sup>2</sup> micrograms per centimeters squared  
mg/m<sup>3</sup> milligrams per cubic meter of air  
mppcf million particles per cubic foot  
ppm parts per million  
  
N/A Not Applicable  
ND No Data/Not Determined  
NE Not Established  
NR Not Regulated

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To the best of our knowledge, the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy or completeness of such information. Moreover, there is a need to reduce human exposure to many materials to the lowest practical limits in view of possible long-term adverse effects. To the extent that any hazards may have been mentioned in the publication, we neither suggest nor guarantee that such hazards are the only ones that exist. Final determination of the suitability of any information or product for the use contemplated by any user, the manner of that use, and whether there is any infringement of any patents is the sole responsibility of the user. We recommend that anyone intending to rely on any recommendation or to use any equipment, processing technique, or material mentioned in this publication should satisfy himself as to such suitability and that he can meet all applicable safety and health standards. We strongly recommend that users seek and adhere to the manufacturers' or suppliers' current instruction for handling each material they use.

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