



SDS Number: BXP110-115-120-130

Revised/Reviewed: 07/07/2016

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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 MANAGEMENT:

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 effects 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

State Regulation: Most states list all the ingredients and regulate. For the most current regulatory information please contact the appropriate agencies in the state where the product is to be used.

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/cm² micrograms per centimeters squared
mg/m³ 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

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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