

Safety Data Sheet

Material Name: **Protherm Vapour Barrier Mastic**

Section 1 – Chemical Product and Company Identification

Product Name: Protherm Vapour Barrier Mastic
Chemical Name: Insulation Adhesive
Product Use: Adhesive Bonding Agent
Manufacturer / Supplier Information:
Manufactured for:
Amity Insulation Group Inc.
14715 122 Avenue,
Edmonton, AB T5L 2W4
Phone: 780-454-8558

Emergency Contacts: CHEMTREC: 1-800-424-9300,
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Section 2 – Hazard Identification

The Hazardous Materials Identification System, HMIS®, was developed by the National Paint & Coatings Association (NPCA), now known as the American Coatings Association (ACA), to help employers comply with OSHA's Hazard Communication (HCS), 29 CFR 1910.1200.

HAZARD CLASSIFICATION: Warning

HEALTH: [1], FLAMMABILITY [2]: Flammable liquid and vapour.

SIGNAL WORD: Not applicable

HAZARD STATEMENT: Not applicable. See specifics below.

Inhalation:

- Harmful if inhaled.

Skin Contact:

- Can cause skin irritation.

Eye Contact:

- Can cause eye irritation.

Ingestion:

- Ingesting this product is unlikely. However, ingestion of product may produce gastrointestinal irritation.

Precautionary Statement:

- Use only in well-ventilated areas. Avoid breathing vapors and direct contact. Store in well-ventilated location. Wear appropriate personal protective equipment. Control vapors in confined spaces utilizing mechanical ventilation.



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Section 3 – Composition / Information on Ingredients

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1966 (SARA) and 40 CFR. N/E: Not Established *: Asphalt Fumes Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313." N/E: Not Established

Chemical Name	CAS Number	% by Weight	SARA 313	Vapour Pressure (Hg@20°C)	LEL (@25°C)
Petroleum Asphalt	8052-42-4	35-40	No	N/E	N/E
Stoddard Solvent	8052-41-3	35-40	No	0.22 mm Hg	0.6

This product contains limestone. Limestone contains crystalline silica as a naturally occurring component. Exposure to silica is not expected to occur as the product is supplied as a solution. If the product is dried/abraded, appropriate measures should be taken to reduce/eliminate silica exposures.

Section 4 – First Aid Measures

Inhalation:

- If respiratory symptoms develop, move affected individual from exposure source and into fresh air. If symptoms persist, seek medical attention. If irritation persists, or breathing is difficult, get immediate medical attention by calling the poison center, physician or emergency medical service giving the appropriate information.

Skin Contact:

- Wash affected areas with mild soap and water. Remove contaminated shoes/clothing. If symptoms persist, seek medical attention. Do not use petroleum solvents to remove solids. Wash before eating or using the restroom. If skin becomes irritated, do not rub or scratch exposed skin. If irritation persists get medical attention.

Eye Contact:

- Flush eyes with water for fifteen (15) minutes. Do not rub or apply pressure. Eyelids should be held away from the eyeball to ensure thorough rinsing. If irritation persists get medical attention.

Ingestion:

- Dilute with liquid unless the victim is unconscious or very drowsy. Do not induce vomiting. If vomiting spontaneously occurs, prevent lung aspiration. Seek immediate medical attention. Not intended to be ingested or eaten. Relocate affected individual to an environment of clean and fresh air.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND CHRONIC:

- See Section Eleven for Symptoms/Effects.

Section 5 – Fire Fighting Measures

Chemical/Combustion Hazards: Carbon monoxide, carbon dioxide, oxides/compounds of sulfur/nitrogen & incomplete combustion prods.

**Precautions/
Personal Protective Equipment:** Avoid smoke inhalation. Use appropriate personal protective equipment.

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Flash Point: 42 °C TCC
Auto-ignition Temperature: None
Extinguishing Media: Use proper extinguishing media for the surrounding fire and surrounding combustible materials. Water fog, foam, dry chemical.

NFPA Codes: Flammability: 2, Health: 1, Reactivity: 0, Special: 0

Section 6 – Accidental Release Measures

Containment Procedures:

- Pick up large pieces, vacuum any dust with HEPA filtered equipment and use water as a dust suppressant if sweeping is necessary. Wear proper protective clothing such as gloves, goggles and an approved respirator.

Clean-Up Procedures:

- Avoid direct contact. Remove ignition sources. Dike and contain spilled material. Remove source of spill if safe to do so. Apply absorbent and place clean-up material in sealed/marked containers for proper disposal.

Environmental Precautions:

- Ensure there is adequate ventilation in accordance with appropriate government authorities. Avoid clean up procedures that could cause water or other pollution.

Section 7 – Handling and Storage

Handling Procedures:

- Avoid direct contact. For exterior use only. Avoid sources of ignition. Keep product in its packaging as long as practical. Keep work areas clean. Avoid unnecessary handling of scrap materials. Avoid generation of dust. Wash hands before eating, drinking, smoking or using the washroom.

Storage Procedures:

- Keep containers closed when not in use. Keep away from ignition sources. Material should be kept dry and covered. Protect product from weather. Product packaging may contain residue. Do not reuse.

Section 8 – Exposure Controls / Personal Protection

- a) OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

Chemical Name	OSHA				ACGIH			
	PEL	PEL/Ceiling	PEL/Stel	Skin	TWA	TLV/Ceiling	TLV/STEL	Skin
Petroleum Asphalt	5 mg/m ³ *	N/E	N/E	No	5 mg/m ³ * Asphalt Fumes	N/E	N/E	N/E
Stoddard Solvent	N/E	N/E	N/E	No	400 ppm	N/E	N/E	No

ENGINEERING CONTROLS: Use with adequate ventilation. Use explosion-proof equipment.

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PERSONAL PROTECTIVE EQUIPMENT: Safety glasses, chemical-resistant gloves.

Section 9 – Physical & Chemical Properties

BOILING POINT: N/D	VAPOR DENSITY: >1 (air=1)	% VOLATILE BY VOLUME: N/E
EVAPORATION RATE: <1 (Ether=1)	pH LEVEL: N/E	% VOLATILE BY WEIGHT: 35-40 (approximate)
WEIGHT PER GALLON: N/D	PRODUCT APPEARANCE: Black Semi-Solid	VOC CONTENT: 211 g/L
ODOR: Mild Organic	ODOR THRESHOLD: N/D	MELTING/FREEZING POINT: N/D
FLASH POINT: See Section 5	FLAMMABILITY: See Section 5	UEL/LEL: N/D
VAPOR PRESSURE: N/D	RELATIVE DENSITY: N/D	SOLUBILITY: N/D
PARTITION COEFFICIENT: N/D	AUTOIGNITION TEMPERATURE: N/D	DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: N/D		<i>N/D: Not Determined</i>

Section 10 – Chemical Stability & Reactivity Information

Stability:	Stable under conditions of normal use.
Reactivity:	Not expected.
Hazardous Decomposition:	Carbon monoxide, carbon dioxide, oxides/compounds of sulfur/nitrogen and incomplete combustion products.
Incompatible Materials:	Avoid oxidizing agents, strong acids, and strong alkalis.
Hazardous Polymerization:	Not applicable.

Section 11 – Toxicological Information

EYE CONTACT:

- Direct contact may cause mild to moderate irritation. Product vapors/mists may also cause irritation.

SKIN CONTACT:

- Direct contact may cause slight skin irritation. Prolonged/repeated contact may result in irritation/dermatitis.

INHALATION:

- Exposure may cause irritation of the nose, throat, respiratory tract, and other mucous membranes. Exposure to excessive vapor concentrations may cause signs of transient central nervous system depression (headache, fatigue, drowsiness, dizziness, loss of coordination). **INGESTION:** May result in irritation of the gastrointestinal tract. Ingestion of excessive quantities may result in symptoms of transient central nervous system depression as noted above.

SIGNS AND SYMPTOMS:

- Symptoms of eye irritation include tearing, reddening, and swelling. Symptoms of skin irritation include redness and swelling. Gastrointestinal irritation symptoms include nausea, vomiting, and abdominal discomfort. Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function. Symptoms of transient central nervous system depression include: headache, fatigue, drowsiness, dizziness, and loss of coordination.

AGGRAVATED MEDICAL CONDITIONS:

- Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product. **OTHER HEALTH EFFECTS:** Some asphalts may possess weak carcinogenic activity. Repeated direct skin contact should be avoided. Occasional contact with asphalt is not expected to have serious health effects as long as good personal hygiene measures are followed.

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Section 12 – Ecological Information

ECOTOXICITY: N/E

DEGRADABILITY: N/E

BIOACCUMULATIVE POTENTIAL: N/E

SOIL MOBILITY: N/E

OTHER ADVERSE EFFECTS: None Recognized

Section 13 – Disposal Considerations

Dispose of waste material in accordance with local, municipal, provincial and federal environmental regulations. Check applicable regulations and waste site policies prior to disposal. Waste should be placed in sealed containers for disposal. In case of contamination, by other materials classified as hazardous waste, expert guidance should be sought.

WASTE MANAGEMENT

To prevent waste materials from becoming airborne during waste storage, transportation and disposal, a covered container or plastic bagging is recommended.

DISPOSAL

Fuel blending at a permitted waste disposal facility. Product is a hazardous waste. Check local, regional, state or provincial regulations to identify all applicable disposal requirements.

Section 14 – Transportation Information

Shipping Class / Name: This product is not classified nor regulated by DOT (Domestic Land Transportation). Product should remain in sealed containers during transportation. Not classified as dangerous goods under ADR (road), RID (train), IATA (air) or IMDG (ship).

HAZARDOUS/NON-HAZARDOUS MATERIAL:

- Not regulated by DOT (Domestic Land Transportation). UN NUMBER: None. HAZARD CLASS: N/A PACKING GROUP: N/A UN PROPER SHIPPING NAME: N/A

ENVIRONMENTAL HAZARDS:

- None recognized.

BULK TRANSPORTATION INFORMATION:

- None.

SPECIAL PRECAUTIONS:

- None.

Section 15 – Regulatory Information

INTERNATIONAL REGULATIONS

Canada:

- Canadian Workplace Hazardous Materials Information System (WHMIS):
 - No Canadian Workplace Hazardous Materials Information System (WHMIS) categories apply to this product.

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Section 16 – Other Information

DEFINITIONS

ACGIH:	American Conference of Governmental Industrial Hygienists
ADR:	Carriage of Dangerous Goods by Road (International Regulation)
CAA:	Clean Air Act
CAS:	Chemical Abstracts Service
CERCLA:	Comprehensive Environmental Response, Compensation and Liability Act
DSL:	Domestic Substances List
EPA:	Environmental Protection Agency
EU:	European Union
f/cc:	Fibers per cubic centimeter
HEPA:	High Efficiency Particulate Air
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association
IMDG:	International Maritime Dangerous Goods Code
mg/m³:	Milligrams per cubic meter of air
mmpcf:	Million particles per cubic meter
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
OSHA:	Occupational Safety and Health Administration
29 CFR 1910.134 & 1926.103:	OSHA Respiratory Protection Standards
29 CFR 1910.1200 & 1926.59:	OSHA Hazard Communication Standards
PEL:	Permissible Exposure Limit (OSHA)
PIN:	Product Identification Number
PNOC:	Particulates Not Otherwise Classified
PNOR:	Particulates Not Otherwise Regulated
PSP:	Product Stewardship Program
RCRA:	Resource Conservation and Recovery Act
REL:	Recommended Exposure Limit (NIOSH)
RID:	Carriage of Dangerous Goods by Rail (International Regulations)
SARA:	Superfund Amendments and Reauthorization Act
SARA Title III:	Emergency Planning and Community Right to Know Act
SARA Section 302:	Extremely Hazardous Substances
SARA Section 304:	Emergency Release
SARA Section 311:	SDS/List of Chemicals and Hazardous Inventory
SARA Section 312:	Emergency and Hazardous Inventory
SARA Section 313:	Toxic Chemicals and Release Reporting
STEL:	Short Term Exposure Limit
SVF:	Synthetic Vitreous Fiber
TDG:	Transportation of Dangerous Goods
TLV:	Threshold Limit Value (ACGIH)
TSCA:	Toxic Substances Control Act
TWA:	Time Weighted Average
WHMIS:	Workplace Hazardous Materials Information System (Canada)

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Disclaimer

As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable municipal, provincial and federal laws. Amity Insulation Group Inc. makes no warranty or representation with respect to such information and disclaims all liability from reliance thereon. This information is presented in accordance with various environment, health and safety regulations. Because the use of the information and the conditions of use of this product are not within the control of Amity Insulation Group Inc, it is the responsibility of the recipient of this information to remain currently informed on chemical hazard information and determine the conditions of safe use. Users of this product should become aware of the product SDS information and also notify their employees, agents and contractors regarding the information contained herein.