

## MATERIAL SAFETY DATA SHEET – Permacorr Thermal

### SECTION 1 – PRODUCT INFORMATION

Advanced Polymeric Inc.  
32 Hampshire Rd  
SALEM NH 03079

Emergency phone: 800-424-9300  
Fax: 603-328-8945  
Date Reviewed: December 15, 2018

Product Name: Permacorr Thermal Coating  
Product ID: 787-40000111  
Common Chemical Name: Acrylic & Insulation Particle-based Coating  
Synonyms: None  
Molecular Formula: Coating Mixture  
EPA Method 24 VOC Content: 0.06 lbs/gallon (7.6 g/liter)

Thermal Insulating Material	
<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>Personnel Protection</b>	<b>G</b>
Eye protection Gloves Dust mask	

### SECTION 2 – INGREDIENTS

CAS Number	Ingredients	% Range	OSHA PEL	ACGIH TLV
Proprietary	Modified acrylic resin	46.4%	N/A	N/A
7732-18-5	Water	22.3%	N/A	N/A
N/A	Insulation Particles	21%	15mg/m3	15mg/m3
474000-95-8	Wetting Agent	0.4%	15mg/m3	5mg/m3
1346-67-7	Titanium Dioxide	5.1%	10 mg/m3	10 mg/m3
N/A	Inert Pigment	5.8%	15mg/m3	15mg/m3
N/A	Additives	2.6%	N/A	N/A

### SECTION 3 – HAZARDS IDENTIFICATION

**Color:** White  
**Odor:** Slight ammonia  
**Form/Appearance:** Thick emulsion mixture  
**Warning Statement:** Contact with eyes or skin may result in irritation. Ingestion may result in gastric disorders. Inhalation may irritate the respiratory tract.  
**Primary Routes of Exposure:** Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.  
**Acute Overexposure:** Contact with the eyes and skin may result in irritation. Inhalation may result in respiratory irritation. Ingestion may result in gastric disturbances.  
**Chronic Overexposure:** There are no known effects associated with this material.  
**Medical Conditions Aggravated By Exposure:** None known

### SECTION 4 – FIRST AID MEASURES

**Routes of entry:** skin-possible ingestion-possible inhalation-possible Acute  
**Health Hazards:** Acute - In a confined area vapors in high concentration are an aesthetic. Over exposure may result in light-headedness and staggering gait. Irritant to skin and upper respiratory system. Chronic overexposure may result in liver damage.  
**Carcinogenicity:** N/A  
**First aid procedure:**  
**Eye exposure** - Flush eyes with water immediately. Get immediate medical attention.  
**Skin contact** - Wash area with soap and water. If redness persists, seek medical attention.  
**Ingestion** - If swallowed, dilute with water. DO NOT INDUCE VOMITING. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.  
**Inhalation** - Move to fresh air. Aide in breathing if needed and get immediate medical attention.  
**Notes to Physicians** - None known  
**Special Precautions** - None

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Flash Point:</b>	Noncombustible
<b>Auto ignition:</b>	N/A
<b>Extinguished Media:</b>	(for dried film) carbon dioxide, dry chemical, water, or alcohol foam.
<b>Special Fire Fighting Procedures:</b>	Full protective equipment including self-contained breathing apparatus should be used. If water is used, fog nozzles may be preferable. Water may be used to cool adjacent closed containers to prevent pressure buildup.
<b>Unusual Fire and Explosion:</b>	Product will not burn but may spatter if temperature exceeds boiling point. Extreme heat may cause closed containers to burst. Dried film of product is capable of burning, giving off oxides of carbon/nitrogen.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Steps if material is released:</b>	Spills should be contained and placed in suitable containers for disposal by a licensed facility.
<b>Waste Disposal Methods:</b>	Waste from this material is not hazardous as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Incinerate in approved facility. Do not incinerate closed containers. Dispose of in accordance with Federal, State, and Local regulations.
<b>Precaution in handling and storage:</b>	Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using. Protect against dust which may be generated by sanding or abrading the dried film.
<b>Other Precautions:</b>	Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. <i>Keep out of reach of children.</i>
<b>General:</b>	Protect from freezing.
<b>Other:</b>	Keep out of direct sunlight in storage area.

## SECTION 7 – STORAGE AND HANDLING

<b>General:</b>	Protect from freezing and keep out of direct sunlight for extended periods. A climate-controlled warehouse is best for product stability.
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## SECTION 8 – PERSONNEL PROTECTION

<b>Clothing:</b>	Gloves, coveralls, apron, and boots as necessary to prevent contact.
<b>Respiratory Protection:</b>	Ventilation and dust mask recommended during application. If sprayed in confined area, respiratory equipment is recommended due to slight ammonia odor.
<b>Ventilation:</b>	Local exhaust - <i>preferable</i> Mechanical (general) - <i>acceptable</i>
<b>Protective Gloves:</b>	Preferred
<b>Eye Protection:</b>	Spectacles with un-perforated side-shields.
<b>Other Protective Equipment:</b>	None needed

## SECTION 9 – PHYSICAL PROPERTIES

<b>Color:</b>	White
<b>Odor:</b>	White Slight ammonia odor
<b>Boiling Point:</b>	Approximately 212°F (100°C)
<b>Freeze Point Specific Gravity:</b>	32°F (0°C)
<b>Pounds/Gallon:</b>	0.63 5.2 – 5.3 lbs/gallon
<b>Non-Volatile Solids (weight):</b>	53%
<b>Form/Appearance:</b>	Thick emulsion mixture
<b>Melting Point:</b>	N/A
<b>Evaporation Rate (Butyl Ace =1):</b>	<1
<b>Solubility in H<sub>2</sub>O:</b>	Can be diluted

## SECTION 10 – STABILITY AND REACTIVITY

<b>Stability Data:</b>	Stable
<b>Incompatibility:</b>	Solvents will coagulate the product.
<b>Conditions or Hazards to Avoid:</b>	Extreme temperatures above 500°F (260°C)
<b>Hazardous Decomposition:</b>	Hazardous polymerization will not occur.
<b>Corrosive Properties:</b>	Not corrosive
<b>Oxidizer Properties:</b>	Not an oxidizer
<b>Chloride Properties:</b>	None

### SECTION 11 – TOXICOLOGICAL INFORMATION

**No applicable data in this section**

### SECTION 12 – ECOLOGICAL INFORMATION

**No applicable data in this section**

### SECTION 13 – PRODUCT INFORMATION

**Waste Disposal:** Dry coating and dispose of as acrylic latex paint. Do not discharge into waterways or sewer systems.  
**Container Disposal:** Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

### SECTION 14 – TRANSPORTATION INFORMATION

**Dot Proper Shipping name:** N/A  
**Dot Technical Name:** N/A  
**Dot Primary Hazardous Class:** N/A  
**Dot Secondly Hazardous Class:** N/A  
**Bill of lading description:** Class 55  
**Air freight:** Acceptable. Non-combustible.  
**Ground freight:** Not regulated by the DOT  
**Dot label required:** N/A  
**Dot Placard required:** N/A  
**Dot Poison constitute:** N/A

### SECTION 15 – REGULATORY INFORMATION

**TSCA Inventory Status:** Listed on inventory – YES  
**RCRA Hazard Waste No:** N/A  
**CERCLA:** No  
**State Regulatory Info:** See ingredients listing.

### SECTION 16 – OTHER INFORMATION

**Hazardous ratings:** TTS currently uses the National Paint and Coatings Association rating system. The use of an asterisk (\*) in the HMIS rating indicates the potential for chronic health effects

**HMIS:**

Health	Fire	Physical Hazard
1	0	0

Thermal Insulating Material	
<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>Personnel Protection</b>	<b>G</b>
Eye protection	
Gloves	
Dust mask	

**Hazardous rating OSHA:**

The product is considered **NON-HAZARDOUS** by the OSHA Hazard Communication Standard.

**Shipping:**

This product is considered non hazardous and acceptable to transport via ground freight, ocean freight, or air freight without special handling. It is considered a Class 55 shipment product in the United States.

**Important:**

While descriptions, designs, data and other information contained herein are presented in good faith and believed to be accurate, it is provided for guidance only.