

MATERIAL SAFETY DATA SHEET

<i>May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.</i>		PRODUCT NAME:	PFI and PFO Corners			
		DATE PREPARED:	February 22, 2006			
		NAC REVISION DATE:	January 12, 2010			
N/E	Not Established	N/R	Not Regulated	N/A	Not Available	

SECTION 1 • Product and Company Identification

PRODUCT / CHEMICAL NAME:	PFI and PFO Corners
PRODUCT CODE(S):	880010125; 880010225
MANUFACTURER:	National Applied Construction Products, Inc.
ADDRESS:	3200 S. Main Street Akron, OH 44319
EMERGENCY PHONE:	800-633-4622 (8:30 am to 5 pm, Eastern Standard Time)
TELEPHONE:	330-644-3117
FAX:	330-644-3557
CHEMICAL NAME:	Not Applicable
CHEMICAL FORMULA:	Not Applicable
GENERAL USE:	Waterproofing preformed coated fabric corner

SECTION 2 • Composition / Information on Ingredients

INGREDIENT:	CAS NO:	% WT:	% VOL:	SARA 313 REPORTABLE:	PPM:	MG/M3:
Not Applicable						
OCCUPATIONAL EXPOSURE LIMITS:						
OSHA PEL-TWA:	OSHA PEL STEL:	OSHA PEL CEILING:	ACGIH TLV-TWA:	ACGIH TLV STEL:	ACGIH TLV CEILING:	
Not Applicable						
SECTION 2 NOTES:	Due to product being a thermo-plastic elastomer compound; exposure to dusts, mists, fumes is not expected to occur.					

SECTION 3 • Hazards Identification

EMERGENCY OVERVIEW:		
ROUTES OF ENTRY:	Product is not hazardous under normal use conditions.	
POTENTIAL HEALTH EFFECTS:	EYES:	Under normal use exposure not expected to be a hazard.
	SKIN:	Under normal use exposure not expected to be a hazard.
	INHALATION:	Under normal use exposure not expected to be a hazard.
	INGESTION:	Under normal use exposure not expected to be a hazard.

SECTION 3 • Hazards Identification • Continued from Previous Page

ACUTE HEALTH HAZARDS:	None expected under normal use conditions.	
CHRONIC HEALTH HAZARDS:	None known for product	
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:	None known for product	
CARCINOGENICITY:	OSHA:	None
	ACGIH:	None
	NTP:	None
	IARC:	None
	OTHER:	
CAUTION:	N/A	
HAZARDOUS:	None expected under normal use conditions.	

SECTION 4 • First Aid Measures

EYES:	Flush with clean water for at least 15 minutes. If irritation persists, get prompt medical attention.
SKIN:	Wash affected area with soap and warm water. Wash hands before eating, smoking or using the restroom. Do not eat or drink while working with this product.
INHALATION:	Supply fresh air; consult doctor in case of symptoms.
INGESTION:	This product is not intended to be eaten. Seek medical attention if ingested.
NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:	

SECTION 5 • Fire Fighting Measures

FLAMMABLE LIMITS IN AIR (% BY VOLUME):	UPPER:	Not determined	LOWER:	Not determined					
FLAMMABILITY CLASS:	Not determined for product		FIRE-FIGHTING MEASURES						
FLASH POINT: @ F & C	Not determined for product		FLASH POINT:	<i>Lowest temperature at which a flammable liquid gives off enough vapor to form an ignitable mixture with air. At a glance you can tell from a low flash point that a material represents a fire hazard: for example, the flash point of gasoline is -43 deg C (-45 deg F)</i>					
AUTO-IGNITION TEMPERATURE: @ F & C	N/A		AUTO-IGNITION TEMPERATURE:	<i>Tells you how hot a material must be before it will set itself on fire without a flame or spark.</i>					
NFPA HAZARD CLASSIFICATION:									
HEALTH:	0	FLAMMABILITY:	1	REACTIVITY:	0	PPI:		OTHER:	
HMIS HAZARD CLASSIFICATION:									
HEALTH:	0	FLAMMABILITY:	1	REACTIVITY:	0	PPI:	B	OTHER:	
EXTINGUISHING MEDIA:	Water Jet Spray, Dry Chemical, CO ₂ , Foam		LEL:	<i>Lower Explosive Limit – the lowest concentration at which a chemical's vapors will cause an explosion. Concentrations below the LEL are considered "too lean"</i>					
			UEL:	<i>Upper Explosive Limit – the maximum concentration at which a chemical's vapor will cause an explosion. Concentrations greater than the UEL are considered "too rich"</i>					
			FLAMMABLE LIMITS	<i>Details about the minimum and maximum concentrations of vapors, so you can prevent fires. Generally concentrations that are greater than the LEL but less than the UEL</i>					

SECTION 5 • Fire Fighting Measures • Continued from Previous Page

SPECIAL FIREFIGHTING PROCEDURES:	None known for product	EXTINGUISHING MEDIA:	<i>Which extinguishing material to use (water, foam, fog, carbon dioxide, dry chemical, etc.)</i>
UNUSUAL FIRE AND EXPLOSION HAZARDS:	The following gases can be released in case of fire: Hydrogen Fluoride (HF), CO Monoxide (CO), and Carbon Dioxide (CO ₂).	UNUSUAL FIRE OR EXPLOSION HAZARDS:	<i>Any special conditions or precautions concerning fire and explosion that are unique to the chemical.</i>
		HAZARDOUS COMBUSTION PRODUCT:	
		FIRE-FIGHTING INSTRUCTIONS:	<i>Special procedures that are recommended during fire fighting.</i>
		FIRE-FIGHTING EQUIPMENT:	<i>Special equipment or safeguards that are recommended during fire fighting.</i>
HAZARDOUS DECOMPOSITION PRODUCTS: The following gases can be released in case of fire: Hydrogen Fluoride (HF), CO Monoxide (CO), and Carbon Dioxide (CO ₂).			
SECTION 5 NOTES: This product may burn if subjected to fire. In case products of combustion or flue gases are released, supply fresh air and ensure appropriate exhaust ventilations, wear protective clothing and safety glasses. Melting point >482°F. Molten thermoplastic material can cause severe burns.			

SECTION 6 • Accidental Release Measures

SPILL / LEAK PROCEDURES:	This product as delivered is a fabric membrane. Small pieces may be generated during use. Pick up any small pieces or residues and place in appropriate disposal containers. Recycling should be preferred to disposal.
WASTE DISPOSAL METHOD:	Waste of this product is not defined as hazardous according to USEPA 40 CFR Part 261.3. Comply with all local and state regulations when disposing of wastes from this product.
SECTION 6 NOTES:	

SECTION 7 • Handling and Storage

STORAGE REQUIREMENTS:	Product should be kept dry and protected from sources of ignition. Do not store together with food.
HANDLING PRECAUTIONS:	Use protective equipment as described in Section 8 of this MSDS when handling uncontained material.
OTHER PRECAUTIONS:	The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.
SECTION 7 NOTES:	

SECTION 8 • Exposure Controls / Personal Protection

ENGINEERING CONROLS: Special controls not required when using this product.	
VENTILATION:	Ensure adequate ambient or natural mechanical ventilation in workplace.
RESPIRATORY PROTECTION:	Not required unless combustion fumes exceed 5 mg/m ³ . Then use approved organic vapor respirator with a particulate pre-filter.
EYE PROTECTION:	Safety glasses recommended if cutting or grinding material.
SKIN PROTECTION:	Use skin protection cream for preventative skin protection.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	None required under normal use.
WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practices. Wash hands with soap and water before eating and at end of work shifts.	
EXPOSURE GUIDELINES: If exposed to burning product, Hydrogen Fluoride gas may be emitted. 8 hour TWA for Hydrogen Fluoride is 3 ppm. Use appropriate respiration control devices for Hydrogen Fluoride gas.	
SECTION 8 NOTES:	

SECTION 9 • Physical and Chemical Properties

POTENTIAL HEALTH EFFECTS				
APPEARANCE FORM:	Flexible coated fabric material			
APPEARANCE/COLOR:	Grey			
ODOR:	None			
PHYSICAL STATE:	Flexible fabric			
PH VALUE:	Not Applicable			
BOILING POINT: @ F & C	Not Applicable			
MELTING POINT: @ F & C	>482 °F			
FREEZING POINT: @ F & C	N/A			
VAPOR PRESSURE (MMHG): @ F & C	N/A			
VAPOR DENSITY: (AIR=1) @ F & C	N/A			
SPECIFIC GRAVITY: (H2O=1) @ F & C	N/A			
EVAPORATION RATE:	N/A			
BASIS (=1):	N/A			
SOLUBILITY IN WATER:	Not soluble in water			
PERCENT SOLIDS BY WEIGHT:	N/A			
PERCENT VOLATILE:	By weight:	N/A	By volume @ F & C:	N/A
PARTITION COEFFICIENT:	N/A			
VOLATILE ORGANIC COMPOUNDS (VOC):	With Water:	0	Without Water:	0
MOLECULAR WEIGHT (VISCOSITY): @ F & C	N/A			
HEAVY ELEMENTS (PPM):	None			
SECTION 9 NOTES:				

SECTION 10 • Stability and Reactivity

SECTION 10: STABILITY AND REACTIVITY				
CONDITIONS TO AVOID (STABILITY):		EXPLANATION OF TERMS		
STABILITY:	Stable	STABILITY:	<i>How likely it is that a chemical will decompose, creating a dangerous situation. If the material is unstable, the MSDS lists the conditions that would create a hazardous product.</i>	
INCOMPATIBILITY (MATERIAL TO AVOID):	None reported for product	INCOMPATIBILITY:	<i>Lists the materials to avoid with the chemical to prevent a hazardous reaction. (i.e. acid and bases)</i>	
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Under thermal decomposition flammable and toxic fumes can be generated. Above 482 °F, toxic and flammable gases of HF, carbon monoxide and carbon dioxide may be released. The generation of cleavage and oxidation products is subject to fire conditions. Non-burned residues and contaminated water after fire fighting should be disposed of in compliance with official regulations.	HAZARDOUS DECOMPOSITION OR BYPRODUCTS:	<i>Conditions and materials that can cause a chemical to break down and become a hazard or what may be produced when the chemical reacts with other substances. These include temperature extremes, ignition sources, and other chemicals. Sometimes, the product of a reaction is far more hazardous than the chemical itself.</i>	

HAZARDOUS POLYMERIZATION:	Will not occur	HAZARDOUS POLYMERIZATION:	<i>Large amounts of energy may be released when two or smaller molecules combine. If this is a danger, the MSDS lists the conditions that can lead to it.</i>
CONDITIONS TO AVOID (POLYMERIZATION):	None		
SECTION 10 NOTES: Molten material should not be allowed to be in contact with the skin to which it can adhere and cause burns.			

SECTION 11 • Toxicological Information

TOXICOLOGICAL INFORMATION: This product has not been tested as a separate entity. If product is subjected to conditions exceeding recommendations; flue gases can be released which may cause irritation effects on the eyes and respiratory system.
SECTION 11 NOTES: Acute Effects: The LD ₅₀ and LC ₅₀ for this product have not been determined. Chronic Effects: Prolonged skin contact may result in irritant effects on the skin.

SECTION 12 • Ecological Information

ECOLOGICAL INFORMATION: This product is not soluble in water. Releases can be taken up mechanically. The product is not easily biodegradable. Prevent the product from entering the sewage system, water bodies or soil.
SECTION 12 NOTES:

SECTION 13 • Disposal Considerations

WASTE DISPOSAL METHOD: Transfer any solids and/or residues to landfill pending local, state and federal requirements and/or permits. Product can also be disposed of through incineration.
RCRA HAZARD CLASS: This product is not regulated under 40 CFR Part 261.3 of RCRA.
SECTION 13 NOTES:

SECTION 14 • Transport Information

U.S. DEPARTMENT OF TRANSPORTATION	Proper Shipping Name: PFI & PFO Corners Hazard Class: N/A ID Number: N/A Packing Group: N/A Label Statement: N/A
WATER TRANSPORTATION:	Proper Shipping Name: PFI & PFO Corners Hazard Class: N/A ID Number: N/A Packing Group: N/A Label Statement: N/A
AIR TRANSPORTATION:	Proper Shipping Name: PFI & PFO Corners Hazard Class: N/A ID Number: N/A Packing Group: N/A Label Statement: N/A
OTHER AGENCIES:	Canadian TDG Proper Shipping Name: PFI & PFO Corners

SECTION 15 • Regulatory Information

U.S. FEDERAL REGULATIONS:	TSCA (Toxic Substance Control Act):	N/A
	CERCLA HAZARDOUS SUBSTANCE (40 CFR 302.4):	N/A
	SARA Title III SECTION 313:	N/A
	SARA 311/312 HAZARD CATEGORIES:	N/A
	313 REPORTABLE INGREDIENTS:	N/A
	<hr/>	
	Toxic/Flammable Substance Subject to Accidental Release Prevention (40 CFR 68.130):	N/A
RCRA Hazardous Waste Number (40 CFR 261.33):	N/A	
Classified as a RCRA Hazardous Waste (40 CFR 261.21):	N/A	
CERCLA Reportable Quantity (RQ):	N/A	
SARA Toxic Chemical (40 CFR 372.65):	N/A	
SARA EHS (Extremely Hazardous Substance) (40 CFR 355):	N/A	
STATE REGULATIONS:	None	
INTERNATIONAL REGULATIONS:	This product is not subjected to classification according to 67/548/EWG, Appendix VI, paragraph 9.3 and to the General Classification Guidelines for hazardous products.	

SECTION 16 • Other Information

OTHER INFORMATION: USE ONLY AS DIRECTED
PREPARATION INFORMATION:
DISCLAIMER: JUDGMENTS AS TO THE SUITABILITY OF INFORMATION HEREIN FOR THE PURCHASER'S PURPOSES ARE NECESSARILY THE PURCHASER'S RESPONSIBILITY. ALTHOUGH REASONABLE CARE HAS BEEN TAKEN IN THE PREPARATION OF SUCH INFORMATION, NATIONAL APPLIED CONSTRUCTION PRODUCTS, INC. EXTENDS NO WARRANTIES, MAKES NO REPRESENTATIONS, AND ASSUMES NO RESPONSIBILITY AS TO THE ACCURACY OR SUITABILITY OF SUCH INFORMATION FOR APPLICATION TO THE PURCHASER'S INTENDED PURPOSE OR FOR CONSEQUENCES OF ITS USE