

# Firestone Building Products Company

## Material Safety Data Sheet

January 4, 2013

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### SECTION 1: PRODUCT IDENTIFICATION

Product Name:	APP Polyester Smooth Series
Chemical Name / Synonym:	APP160, APP 160 COOL, APP170, APP 170 COOL
Chemical Family:	Petroleum Hydrocarbon
24-Hour Emergency Phone:	(800) 424-9300 CHEMTREC
Manufacturer's Name:	Firestone Building Products Company
Manufacturer's Address:	250 West 96 <sup>th</sup> Street, Indianapolis, IN 46260
NFPA Hazard Rating:	Health 1, Flammability 1, Reactivity 0
HMIS Hazard Rating:	Health 1, Flammability 1, Reactivity 0

### SECTION 2: CHEMICAL COMPOSITION

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Asphalt (Petroleum)	Bitumen	8052-42-4	40-60	TLV 0.5 mg/m <sup>3</sup> (Inhalable)
Calcium Carbonate	Limestone	1317-65-3	<25	PEL (Respirable) 5 mg/m <sup>3</sup> PEL (Total) 15 mg/m <sup>3</sup>
Talc (Containing No Asbestos Fibers)	Talcum	14807-96-6	<10	PEL 20 mppcf (containing <1% Quartz) TLV (Respirable) 2 mg/m <sup>3</sup>
Silica, Crystalline, Quartz	Rose Quartz, Sand	14808-60-7	<10	PEL (Respirable) 10 mg/m <sup>3</sup> (% SiO <sub>2</sub> + 2) PEL (Total) 30 mg/m <sup>3</sup> (% SiO <sub>2</sub> + 2) TLV (Respirable) 0.025 mg/m <sup>3</sup>

### SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure:	Inhalation
Signs and Symptoms of Exposure:	Causes a foreign body reaction (mechanical irritation) if dust particles enter eyes. Fumes generated by molten asphalt may cause eye, skin and respiratory tract irritation. Molten asphalt will cause thermal burns.
Medical Conditions Aggravated by Exposure:	None Known
Chronic Effects:	No significant health effects have been reported in surveys of asphalt workers in oil refineries and in the roofing industry.
Carcinogenicity:	Animal inhalation studies have not yielded sufficient evidence of asphalt induced lung cancer, and only limited investigation has been done on the chemical properties and the metabolic changes caused by petroleum asphalt fumes. A roofing petroleum asphalt proved non-carcinogenic to the skin of mice and rabbits, although the condensates of coal tar fumes proved highly carcinogenic.  This material is coated with sand, which contains crystalline silica. Some researchers have reported evidence that it may be carcinogenic in humans following prolonged and repeated inhalation.

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Petroleum asphalt is listed by IARC as a class 3, *unclassifiable as to carcinogenicity in humans*.

Crystalline silica is listed by IARC as a class 1, *carcinogenic to humans*, listed by NTP as a *known to be a human carcinogen*, and listed by NIOSH as a carcinogen.

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### SECTION 4: FIRST AID MEASURES

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First Aid Procedures: Hold eyelids open and wash with gentle stream of water until foreign material is removed. Get medical attention if irritation persists. For inhalation of the fume, smoke or dust of this material, remove to fresh air and treat symptomatically. For thermal burns, flush the affected area with cold water and seek medical attention.

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### SECTION 5: FIRE FIGHTING PROCEDURES

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Suitable Extinguishing Media: Alcohol foam, carbon dioxide, or dry chemical.  
Hazardous Combustion Products: Carbon dioxide, carbon monoxide and partially burned carbon.  
Recommended Fire Fighting Procedures: Wear impermeable protective clothing and self-contained breathing apparatus as toxic fumes and vapors may be evolved.  
Unusual Fire and Explosion Hazards: Combustion of this product causes dense black smoke. Water may cause frothing.

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### SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

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Steps to Be Taken in Case Material is Released or Spilled: Not Applicable  
Precautions to Be Taken in Handling and Storing: Keep away from heat, sparks and open flames. Protect against dust that may be generated from cutting or altering this product.

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### SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

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Ventilation: Use in well ventilated area.  
Respiratory Protection: A NIOSH-approved respirator may be warranted, based upon end-user determination.  
Eye Protection: Safety glasses with side shields may be needed as determined by end-user.  
Skin Protection: Leather or cotton gloves may be required for direct handling.  
Other: None recommended  
Work / Hygienic Practices: Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Wash contaminated clothing prior to reuse.

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### SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

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Appearance and Odor:	Black with talc and/or sand surfaces. Asphalt odor.		
Flash Point:	Not Applicable	Lower Explosive Limit:	None
Method Used:	Not Applicable	Upper Explosive Limit:	None
Evaporation Rate:	Not Applicable	Boiling Point:	None
pH (undiluted product):	Not Applicable	Melting Point:	Unknown

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Solubility in Water:	Insoluble	Specific Gravity:	Unknown
Vapor Density:	Unknown	Percent Volatile:	Unknown
Vapor Pressure:	Unknown		

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### SECTION 9: STABILITY AND REACTIVITY

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Thermal Stability:	Stable
Hazardous Polymerization:	Will Not Occur
Conditions to Avoid:	None

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### SECTION 10: TRANSPORTATION

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Regulatory Agency:	Not Regulated
Proper Shipping Name:	Not Applicable
Hazard Classification:	Not Applicable
Identification Number:	Not Applicable
Labels Required:	Not Applicable
Other Requirements:	Not Applicable

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### SECTION 11: MISCELLANEOUS INFORMATION

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Additional Comments:	The calcium carbonate is bound in an asphalt matrix and is not expected to be released. Talc or sand may be applied to the surface of the product. The talc and sand are applied to the asphalt surface in such a manner that nominal release from the surface is anticipated.
Date of Previous MSDS:	August 11, 2010
Changes Since Previous MSDS:	Removed inactive products from section 1.
Telephone Number for Additional Information:	(317) 575-7190

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### DISCLAIMER

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