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**SECTION 1 – IDENTIFICATION**

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Product Name: PITTCOTE® 300 finish (Spray or Trowel Grade)

Manufacturer/Supplier:

Pittsburgh Corning Corporation  
800 Presque Isle Drive  
Pittsburgh, PA 15239-2724

Information Number: 724-327-6100  
CHEMTREC: 800/424-9300

Generic Name: Petroleum Asphalt Mastic

Use: PITTCOTE® 300 finish is a vapor and weather barrier asphalt coating especially formulated for use with FOAMGLAS® insulation in the low to moderate temperature range.

Chemical Family: Mixture

General Comments: General information and emergency information available 8:00 AM – 5:00 PM Monday through Friday.

CHEMTREC telephone number is to be used only in the event of chemical transportation emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to technical service.

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**SECTION 2 – HAZARD(S) IDENTIFICATION**

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HAZARD CLASSIFICATION: Irritant, Carcinogen (Cat. 2)

SIGNAL WORD: **Warning**



HAZARD STATEMENT:

H315: May cause moderate skin irritation  
H317: May cause an allergic skin reaction  
H320: Direct contact causes moderate eye irritation.  
H226: Flammable liquid and vapor  
H335: Inhalation of vapors can irritate respiratory tract  
H351: Suspected of causing cancer  
H373: May cause damage to skin, eyes, lungs, liver, kidneys, and/or nervous system.

HAZARDOUS POLYMERIZATION: Will Not Occur

ROUTES OF EXPOSURE: Inhalation, Skin, Eyes and Ingestion.

**IMMEDIATE EFFECTS:**

INHALATION: May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. May cause slight irritation to the respiratory system.

SKIN CONTACT: May cause moderate irritation. May cause itching, reddening, inflammation. May cause a rash. May cause sensitization.

EYE CONTACT: Direct contact may cause moderate irritation. Direct contact may cause temporary redness and discomfort.

INGESTION: May cause gastrointestinal irritation, nausea, and vomiting. Not a likely route of entry.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

- ACUTE:** Pre-existing eye, skin, liver, kidney, and respiratory disorders may be aggravated by exposure.
- CHRONIC:** Prolonged or repeated skin contact with asphalt may result in skin sensitivity, such as irritation, rashes, and dermatitis. Prolonged or repeated exposure to polycyclic aromatic hydrocarbons and other volatiles which are contained in trace amounts in asphalt have been shown to cause cancer or respiratory damage in animals. Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis, may result from breathing free silica. Fillers are encapsulated and not expected to be released from product under normal conditions of use. Prolonged or repeated exposure to mineral spirits (petroleum naphtha or Stoddard solvent) may cause defatting, drying, and irritation of the skin, dermatitis, central nervous system (CNS) effects, and adverse liver, kidney, and lung effects.
- Carcinogenicity –** Product components listed as a IARC, NTP, ACGIH, or OSHA carcinogen: Crystalline Silica (Quartz)/ Silica Sand CAS 14808-60-7.

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient	App. % by wt.	CAS #
Asphalt Cement, Oxidized	40-60	8052-42-4
Stoddard Solvent	25-45	8052-41-3
Calcium Carbonate	10-17	471-34-1
Hydrous Alumino Silicate (clay)	3 -10	12174-11-7
Cellulose	2.5 – 7.0	9004-34-6
1-Propanamine, 3-(isodecyloxy)-, acetate	1 - 3	28701-67-9
Crystalline Silica as quartz	<1	14808-60-7

**SECTION 4 – FIRST AID MEASURES**

- GENERAL ADVICE:** Exposure to product can produce symptoms which include skin, respiratory, and eye irritation
- INHALATION:** Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
- SKIN CONTACT:** Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
- EYE CONTACT:** Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
- INGESTION:** Do not induce vomiting. Wash mouth out with water. **GET MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.**

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**SECTION 5 – FIRE FIGHTING MEASURES**

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SUITABLE EXTINGUISHING MEDIA: Foam, Carbon Dioxide, or dry chemical. If entering a confined area, use self-contained breathing apparatus and protective firefighting clothing (includes firefighting helmet, coat, pants, boots and gloves). Stay upwind. Keep out of low areas where gases (fumes) can accumulate. Do not use direct water stream, which may spread fire. Use water spray to cool containers and fire affected zone until fire is out. Move containers from fire area if this is possible without hazard.

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: Stable

SENSITIVITY TO STATIC DISCHARGE: Stable

UNUSUAL FIRE AND EXPLOSION HAZARDS: This product may ignite when sufficient heat is applied. Check for combustible vapors prior to and during welding or torch cutting on vessels or tanks. It has been found that in hot storage tanks low flash substances may accumulate in the vapor space. The flammability characteristics will not be detected by any flash point method. Keep ignition sources away from tank vents and prevent accumulation of pyrophoric iron sulfide.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, and sulfur dioxide.

SPECIAL FIRE FIGHTING MEASURES: See unusual fire and explosion hazards above. Use of foam or water may cause frothing. Do not release runoff from fire control methods to sewers or waterways. Use a water supply to cool fire-exposed containers. Use self-contained breathing apparatus in enclosed areas where heavy smoke may occur.

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**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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PRECAUTIONS FOR PERSONNEL: Use appropriate protective equipment. Avoid contact with material. Remove sources of ignition immediately. Stop flow of material if safe to do so. Contain spill and keep out of sewers and waterways. Ventilate area.

ENVIRONMENTAL PRECAUTIONS: Avoid discharge to drains, sewers and natural water supply. Collect material in open-head containers. Disposal should be made in accordance with Federal, State and Local regulations.

PROCESS FOR CLEANING: For small spills, stop spill at source if possible. Isolate and confine by diking, or similar method. Remove discharged material. For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways. Mix spilled material with inert absorbent material such as soil, sand, or oil dry, to stabilize.

REGULATORY REQUIREMENTS: Follow applicable OSHA regulations (29 CFR 1910.120). Notify local health and pollution control agencies as appropriate. Subject to hazardous waste treatment, storage, and disposal requirements under RCRA for characteristic of ignitability (D001). For disposal follow all federal, state, and local regulations regarding solid waste.

**SECTION 7 – HANDLING AND STORAGE**

**HANDLING:** P210, P280, Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Do not smoke, weld, generate sparks, or use flame near container. Do not use in confined or poorly ventilated areas. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Use personal protection recommended in section 8.

**STORAGE:** Store away from ignition sources and open flames. Store in tightly closed containers to prevent moisture contamination. Recommended to be stored between 10°C to 49°C (50°F to 120°F).

**SECTION 8 – EXPOSURE RESTRICTIONS AND PERSONAL PROTECTION**

**EXPOSURE LIMITS**

INGREDIENT	APP. % BY WT.	TLV	NIOSH REL TWA	PEL	CAS #
Asphalt Cement, Oxidized	40-60	0.5 mg/m <sup>3</sup>	NE	NE	8052-42-4
Stoddard Solvent	25-45	525 mg/m <sup>3</sup>	350 mg/m <sup>3</sup>	2900 mg/m <sup>3</sup>	8052-41-3
Calcium Carbonate	10 -17	NE	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	471-34-1
Hydrous Alumino Silicate (clay)	3 -10	3 mg/m <sup>3</sup>	NE	5 mg/m <sup>3</sup>	12174-11-7
Cellulose	2.5 – 7.0	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	9004-34-6
1-Propanamine, 3-(isodecyloxy)-, acetate	1 - 3	NE	NE	NE	28701-67-9
Crystalline Silica as quartz (%SiO <sub>2</sub> + 2)mg/m <sup>3</sup> (Respirable)	<1	0.025 mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	14808-60-7

**EXPOSURE GUIDELINES:**

See Above.

**ENGINEERING CONTROLS:**

Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate. Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 8). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source

**PERSONAL PROTECTIVE EQUIPMENT:**

**EYE PROTECTION:**

Wear appropriate eye protection (chemical safety goggles and/or face shield) to prevent eye contact per OSHA eye- and face-protection regulations (29 CFR 1910.133). Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials.

**SKIN PROTECTION:**

Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure. Prevent contact with shoes and clothing. Wear normal protective work clothing with long sleeved shirt.

**RESPIRATORY PROTECTION:**

Wear appropriate, properly fitted NIOSH/MSHA-approved organic vapor or supplied air respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134). Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. Self-contained, positive-pressure breathing apparatus when used in confined or enclosed space or when exposure limits are exceeded or hydrogen sulfide is unknown or exceeds 20 ppm. Organic vapor respirators can be used with good ventilation when organic vapors are less

than 1000 ppm or ten times permissible exposure limit, whichever is less. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear a self-contained breathing apparatus (SCBA). Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes: procedures for selecting respirators; medical evaluation; fit testing; use in routine and emergency situations; cleaning, disinfecting, storing, inspecting, repairing, discarding and maintaining respirators; adequate air quality, quantity and flow; training in respiratory hazards; training in use of respirators; evaluation of effectiveness of respiratory program.

**ENVIRONMENTAL EXPOSURE CONTROL:** Avoid discharge to drains, sewers and natural water supply.  
**WORK/HYGIENIC PRACTICES:** Avoid contact with eyes and skin. Wash thoroughly after handling and before eating or drinking. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area. Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment. Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, or smoking.

**SECTION 9 – PHYSICAL PROPERTIES**

Appearance:	Brown-black liquid	Flash Point : °C (°F) COC	>38 (>100)
Odor:	mild solvent odor	Ignition Temperature: °C (°F)	UN
Odor Threshold:	NE	Evaporation Rate (BuAC=1)	UN
pH	NA	Flammability:	Non-Flammable
Melting Point/Freezing Point: °C (°F)	UN	Flammable Limits: LEL	UN
		UEL	UN
Boiling Point: °C (°F)	149 (300)	Vapor Pressure: (MM Hg): pH:	UN
Solubility in Water:	Negligible	Vapor Density: (Air = 1)	>1
Partition Coefficient: n-octanol/water:	NE	Specific Gravity: (H <sub>2</sub> O = 1):	1.05
Decomposition Temperature	NE	Density: lbs./gal (Calculated)	10.3
Viscosity	UN	Percent Volatile By Volume: (%)	25 – 45%
VOC: g/l (lbs./gal)	329.5 – 389.4 (2.75 – 3.25)		

**SECTION 10 – STABILITY AND REACTIVITY**

**REACTIVITY:** Stable

**STABILITY:** Stable

**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous reaction will not occur

**CONDITIONS TO AVOID:** Open Flame, Do not overheat product.

**MATERIALS TO AVOID:** Strong oxidizing agents

**DECOMPOSITION PRODUCTS:** Primary decomposition products are carbon monoxide, carbon dioxide, and water. Combustion products may include sulfur oxides and hydrogen sulfide.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

CAS #	INGREDIENT	DERMAL LD50	INHALATION LD50	ORAL LD50
8052-42-4	Asphalt Cement, Oxidized	NE	NE	NE
8052-41-3	Stoddard Solvent	NE	NE	NE
471-34-1	Calcium Carbonate	NE	NE	6450 mg/kg (Rat)
12174-11-7	Hydrous Alumino Silicate (clay)			
9004-34-6	Cellulose	NE	NE	NE
28701-67-9	1-Propanamine, 3-(isodecyloxy)-, acetate	NE	NE	NE
14808-60-7	Crystalline Silica as quartz	NE	NE	NE

CAS #	INGREDIENT	CARCINOGENICITY		TERATOGENICITY	MUTAGENICITY
		ACGIH	IARC		
8052-42-4	Asphalt Cement, Oxidized	NE	NE	NE	NE
8052-41-3	Stoddard Solvent	NE	NE	NE	NE
471-34-1	Calcium Carbonate	NE	NE	NE	NE
12174-11-7	Hydrous Alumino Silicate (clay)				
9004-34-6	Cellulose	NE	NE	NE	NE
28701-67-9	1-Propanamine, 3-(isodecyloxy)-, acetate	NE	NE	NE	NE
14808-60-7	Crystalline Silica as quartz	YES	YES	NE	NE

**SECTION 12 – ECOLOGICAL INFORMATION**

No known applicable information.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

DISPOSAL METHOD: Avoid discharge to drains, sewers and natural water supply. Disposal should be made in accordance with Federal, State and Local regulations.

**SECTION 14 – TRANSPORT INFORMATION**

SPECIAL SHIPPING INFORMATION: If shipped by ground in quantities LESS than 119 gallons (450 L): Not regulated as a hazardous material. If shipped by vessel in quantities LESS than 7.9 gallons (30 L), IMDG 2.3.2.5 exception applies: Not regulated as a hazardous material. State on shipping documents: "Transport in accordance with 2.3.2.5 of the IMDG Code" (172.102): B1, B13, IB3, T1, TP3

DOT SHIPPING CLASS: Tars, Liquid Flammable Liquid 3. Pkg. Grp. III UN 1999  
 TDG: Tars, Liquid Flammable Liquid 3. Pkg. Grp. III UN 1999  
 PIN: Not available  
 IMDG: Tars, Liquid Flammable Liquid 3. Pkg. Grp. III UN 1999

**SECTION 15 – REGULATORY INFORMATION**

**US Regulatory Information**

OSHA 29 CFR 1910-1200  
 TSCA  
 SARA Title III:

	Irritant
	All components of this product are listed on TSCA Inventory
SARA SECTION 302:	None
SARA SECTION 304:	NA
SARA (311,312) HAZARD CLASS:	Fire, Chronic Health, Acute Health
SARA (313) CHEMICALS:	NA
CERCLA:	NA
RCRA:	Refer to section 13
CPSC CLASSIFICATION:	NA

HMIS: FLAMMABILITY: 2 REACTIVITY: 0 HEALTH: 2

NFPA: FLAMMABILITY: 2 REACTIVITY: 0 HEALTH: 2

WHMIS CLASSIFICATION: CLASS D DIVISION 2B CLASS B DIVISION 2

**CALIFORNIA PROPOSITION 65:**

- A. This product contains a chemical known to the State of CA to cause birth defects or other reproductive harm.
- B. This product contains a chemical known to the State of CA to cause cancer.
- C. This product contains a chemical known to the State of CA to cause cancer and birth defects or other reproductive harm. [Asphalt (8052-42-4), Crystalline Silica as Quartz (14808-60-7)]

**SECTION 16 – OTHER INFORMATION**

Prepared in accordance with 29 CFR 1910.1200  
 This Product has been classified in accordance with the hazard criteria of the Controlled Products

NA = not applicable      NE = not established      UN = unavailable      CL = Ceiling Limit  
 NEGL = Negligible      PROP. = Proprietary

"THE DATA INCLUDED HEREIN ARE PRESENTED IN ACCORDANCE WITH THE VARIOUS ENVIRONMENT, HEALTH AND SAFETY REGULATIONS. IT IS THE RESPONSIBILITY OF A RECIPIENT OF THIS DATA TO REMAIN CURRENTLY INFORMED ON CHEMICAL HAZARD INFORMATION, TO DESIGN AND UPDATE ITS INFORMED ON CHEMICAL HAZARD INFORMATION, TO DESIGN AND UPDATE ITS OWN PROGRAM AND TO COMPLY WITH ALL NATIONAL, FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS APPLICABLE TO SAFETY, OCCUPATIONAL HEALTH, RIGHT-TO-KNOW AND ENVIRONMENTAL PROTECTION."

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