

MATERIAL SAFETY DATA SHEET

PavePrep

1. PRODUCT AND COMPANY IDENTIFICATION

Chemical characterization	Filled Mastic and Fabric Laminate
Supplier	Crafco, Inc. 420 N Roosevelt Ave. Chandler, AZ 85226 www.crafco.com
Emergency telephone number	1 800 424-9300 (Chemtrec)
Product use	Reflective Crack Membrane
Canadian PIN	N/A

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	Name	CAS Number	Weight %
	Petroleum asphalt	8052-42-4	30 – 50
Other components	Name	CAS Number	Weight %
	Polyester fabric	25038-59-9	< 5
	Non-respirable minerals	Mixture	Balance

See Section 15 of this MSDS for OSHA Regulatory Status

3. HAZARDS IDENTIFICATION

Emergency overview	Black asphaltic inner layer bonded to outer layers. Contact with the inner material may cause severe eye irritation, or skin irritation. In case of fire, use water, water spray, dry chemical, or CO ₂ .
Primary route(s) of entry	Skin contact.
Symptoms of exposure	
Inhalation	Breathing vapors, especially from heated product, may cause irritation to respiratory tract.
Eye contact	May cause severe irritation, redness, tearing, and blurred vision.
Skin contact	Prolonged or repeated skin contact may result in dryness, cracking, and irritation. Long term skin exposure can increase sensitivity to the sun and cause skin discoloration.

Medical conditions aggravated by exposure	Chronic respiratory or skin conditions.
Listed as carcinogen or potential carcinogen	Not listed by OSHA, the International Agency for Research on Cancer (IARC), or the National Toxicology Program (NTP). See Section 11 for additional information.

4. FIRST AID

Inhalation	Remove patient from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.
Eye contact	Immediately rinse eyes slowly and gently with water for at least 15 minutes while holding eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Remove any contact lenses after the first 5 minutes and then continue flushing eyes. Get immediate medical attention.
Skin contact	Wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops and persists.
Ingestion	Not a likely route of exposure.
Note to physician	Treat symptomatically

5. FIRE FIGHTING MEASURES

Flash Point and Method	>400 °F (204 °C) for asphalt (Cleveland Open Cup)
General hazard	Hydrogen sulfide, a toxic gas, may be released when the product is heated.
Extinguishing media	Water, water spray, dry chemical, or CO ₂ .
Extinguishing media to avoid	None
Special firefighting instructions	Move containers from area if it can be done without risk.
Firefighting equipment	As in any fire, wear NIOSH approved, positive-pressure, self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear appropriate protective equipment (see Section 8).
Environmental precautions	N/A
Clean-up methods	N/A

7. HANDLING AND STORAGE

Handling	Wear appropriate protective equipment (see Section 8). Wash thoroughly after handling.
Storage	Keep away from heat, flames, and other ignition sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	Normal ventilation.
Personal Protection	
Respirator	In operations where the product is heated and vapors are generated, use a NIOSH approved respirator that has been selected by an industrial hygienist or other technically qualified person for the specific work conditions. If respirators are used, OSHA requires compliance with its respiratory protection program (29 CFR 1910.134).
Eye Protection	Wear safety glasses if there is any potential for eye contact.
Gloves	Wear work gloves.
Clothing	Normal work clothing.
Other	Eye wash if there is a potential for eye contact.
Exposure controls	Asphalt fume OSHA PEL: N/E ACGIH TLV: 0.5 mg/m ³ TWA (as benzene-soluble aerosol)
	Hydrogen sulfide OSHA PEL: 20 ppm STEL; 50 ppm 10-min peak, once per 8 hr. shift ACGIH TLV: 10 ppm TWA; 15 ppm STEL
	This product also contains calcium carbonate, magnesium carbonate, and less than 1% crystalline silica, which are inextricably bound to the asphalt. These materials are not in a respirable form, and do not present a hazard during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Sheet
Color	Various colored outer fabrics with a black inner layer
Odor	Petroleum
Properties	pH: N/A Water solubility: Insoluble

10. STABILITY AND REACTIVITY

Reactivity	Stable
Materials to avoid	None known
Conditions to avoid	Elevated temperatures
Hazardous decomposition products	Carbon monoxide, carbon dioxide, sulfur oxides, and hydrogen sulfide.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	No information on product is available.
Chronic Toxicity	In March, 1987 the International Agency for Research on Cancer (IARC) classified bitumens (such as petroleum asphalt in this product) as a Group 3 material: "not classifiable as to its carcinogenicity to humans." NIOSH recently conducted mouse skin painting studies using selected fractions of asphalt fume condensate. Skin application of the condensate fractions resulted in skin tumors in laboratory mice.

12. ECOLOGICAL INFORMATION

Ecotoxicity	This product is not toxic to animals, plants or fish.
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13. DISPOSAL CONSIDERATIONS

RCRA hazardous waste code	Not regulated
Special instructions	Observe all federal, state and local laws and regulations.

14. TRANSPORT INFORMATION

DOT hazard class	Not regulated
TDG hazard class	Not regulated

15. REGULATORY INFORMATION

OSHA regulatory status (29 CFR 1910.1200)	Hazardous		
CERCLA reportable quantity (40 CFR 117, 302)	Name	Reportable quantity (lbs)	
	None	N/A	
SARA extremely hazardous substances (40 CFR 355)	Name	Threshold planning quantity (lbs)	Reportable quantity (lbs)
	None	N/A	N/A
SARA hazard categories (40 CFR 370)	Immediate (Acute)		
SARA toxic chemicals (40 CFR 372)	Name	CAS Number	Percentage
	None	N/A	N/A
Inventory Status	The chemicals in this product are listed on the US TSCA Chemical Substances Inventory and the Canadian Domestic Substances List.		
Toxic Substance Control Act	No specific regulations apply.		

Controlled Products Regulations This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

WHMIS classification D2B

State regulations

FL Hazardous Substance List	Asphalt, crystalline silica*
MA Right to Know List	Asphalt, calcium carbonate*, magnesium carbonate*, crystalline silica*
MN Hazardous Substance List	Asphalt, calcium carbonate*, magnesium carbonate*, crystalline silica*
NJ Right to Know List	Asphalt, calcium carbonate*, magnesium carbonate*, crystalline silica*
PA Right to Know List	Asphalt, calcium carbonate*, crystalline silica*
RI Hazardous Substance List	Asphalt, calcium carbonate*, magnesium carbonate*

* These substances are inextricably bound to the asphalt component.

16. OTHER INFORMATION

Abbreviations

- C - Ceiling limit
- ERG – Emergency Response Guidebook
- LC₅₀ - The concentration of a substance in air that will kill 50% of test animals within a certain exposure period.
- LD₅₀ - The dose that causes death in 50% of test animals.
- N/A - Not applicable
- N/D - Not determined
- N/E - Not established
- N/K - Not known
- NIOSH – National Institute for Occupational Safety and Health
- PIN – Product Identification Number
- RQ - Reportable Quantity
- TPQ - Threshold Planning Quantity
- WHMIS – Workplace Hazardous Materials Information System

Preparation information

Prepared by	International Product Safety Management, Inc. Fairfield, CT 06824 1-203-256-8284
Date prepared	02/23/2006
Replaces	12/04/2002
Revision information	N/A

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