

MATERIAL SAFETY DATA SHEET

ASPHALT ORGANIC BASE SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 43 Lb. Organic Base Sheet

OTHER/GENERIC NAMES: Organic Base Sheet

PRODUCT USE: Primary use: Built-up Roofing

MANUFACTURER: Durapax LLC
Commercial Roofing Systems
400 Old Reading Pike, Suite 304
Pottstown, PA 19464

FOR MORE INFORMATION CALL:
(Monday-Friday, 8:00am-4:30pm EST)
1-610-579-9075

IN CASE OF EMERGENCY CALL:
(24 Hours/Day, 7 Days/Week)
1-610-579-9075
Chemtrec 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
Petroleum asphalt	8052-42-4	> 5 – 10

Trace impurities and additional material names not listed above may also appear in Section 15 towards the end of the MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: May cause irritation to skin and eyes.

POTENTIAL HEALTH HAZARDS

SKIN: Can be a mechanical irritant to skin. Aggravated medical conditions – dermatitis.

EYES: Can be a mechanical irritant to eyes.

INHALATION: Can be a mechanical irritant to upper respiratory system. Studies show no statistically significant increased risk of respiratory diseases.

INGESTION: Can be an irritant.

DELAYED EFFECTS: Not Determined

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Ingredients found on one of the OSHA designated carcinogen lists are listed below.

<u>INGREDIENT NAME</u>	<u>NTP STATUS</u>	<u>IARC STATUS</u>	<u>OSHA LIST</u>
Petroleum asphalt	No	3 – Not Classifiable	Not Listed

4. FIRST AID MEASURES

SKIN: Remove with waterless hand cleaners or soap and water. Avoid solvents.

EYES: Flush eyes immediately with plenty of water for at least 15 minutes.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration; preferably mouth-to-mouth.

INGESTION: Give water and seek medical attention.

ADVICE TO PHYSICIAN: None

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: Not applicable

FLASH POINT METHOD: Not applicable

AUTOIGNITION TEMPERATURE: Not applicable

UPPER FLAME LIMIT (volume % in air): Not applicable

LOWER FLAME LIMIT (volume % in air): Not applicable

FLAME PROPAGATION RATE (solids): Not Determined

OSHA FLAMMABILITY CLASS: Not Determined

EXTINGUISHING MEDIA: Water/fog, carbon dioxide, foam, dry chemicals, sand or steam.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS: Breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR OTHER RELEASE: (Always wear recommended personal protective equipment.) Not applicable

Spills and releases may have to be reported to Federal and/or local authorities. See Section 15 regarding reporting requirements.

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7. HANDLING AND STORAGE

NORMAL HANDLING: (Always wear recommended personal protective equipment.) Wear clothing closed at the neck, long sleeves, and non-porous type gloves. Wear safety glasses or goggles as necessary.

STORAGE RECOMMENDATIONS: Store in cool, dry, well ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Avoid breathing vapors. To rectify, ventilate work area and/or wear respirator and goggles, or face shield.

PERSONAL PROTECTIVE EQUIPMENT

SKIN PROTECTION: Full long-sleeved clothing closed at the neck and non-porous gloves. For exposed skin, use approved creams, (e.g. Pro-Tek, Fend A-2, or Safeticote Skin Protector #83734).

EYE PROTECTION: Safety glasses, goggles or face shield.

RESPIRATORY PROTECTION: Use NIOSH-approved respirator with suitable organic vapor cartridge when fumes and/or smoke present.

ADDITIONAL RECOMMENDATIONS: Change clothes daily if contaminated.

EXPOSURE GUIDELINES

<u>INGREDIENT NAME</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER LIMIT</u>
Petroleum asphalt	5 mg/m ³ (fume)	None	None

* = Workplace Environmental Exposure Level (AIHA).

** = Biological Exposure Index (ACGIH).

OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS: OSHA exposure limit – TWA – 8 hours is 5.0 mg/m³ (PPAH) (ACGIH TLV same)

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Black woven sheet with a heavy odor of petroleum asphalt.
PHYSICAL STATE:	Solid
MOLECULAR WEIGHT:	Not applicable
CHEMICAL FORMULA:	Mixture
ODOR:	Aromatic
SPECIFIC GRAVITY (water = 1.0):	Not Determined
SOLUBILITY IN WATER (weight %):	Insoluble
pH:	Not Applicable

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BOILING POINT: Not Applicable
MELTING POINT: Not Applicable
VAPOR PRESSURE: Not Applicable
VAPOR DENSITY (air = 1.0): Not Applicable
EVAPORATION RATE: Not Applicable **COMPARED TO:** Not Applicable
% VOLATILES: Not Applicable
FLASH POINT: Not Applicable
(Flash point method and additional flammability data are found in Section 5.)

10. STABILITY AND REACTIVITY

NORMALLY STABLE? (CONDITIONS TO AVOID): Stable

INCOMPATIBILITIES: None.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂ and various hydrocarbons

HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL INFORMATION

IMMEDIATE (ACUTE) EFFECTS: See Section 3.

DELAYED (SUBCHRONIC AND CHRONIC) EFFECTS: There are no studies to indicate that exposure to asphalt causes cancer or respiratory damage in man. However, this petroleum based product contains small amounts of polycyclic aromatic hydrocarbons which have been shown to cause cancer and respiratory damage in laboratory animals. Prolonged or repeated skin contact with this product may result in defatting and drying of the skin which may lead to irritation and dermatitis. In laboratory animal studies, prolonged and repeated inhalation exposures to hydrocarbon vapors similar to mineral spirits have resulted in kidney effects in male rats. The implications of these results for humans have not yet been determined.

OTHER DATA: The International Agency for Research on Cancer (IARC) has classified extracts of steam and air refined bitumens (such as cutback asphalts) as possibly carcinogenic to humans (Group 2B). This classification was based on a combined evaluation of published human and animal studies. IARC concluded that the human studies did not provide adequate evidence that extracts of steam and air-refined bitumens caused cancer in humans. No epidemiological study of workers exposed only to bitumens is available. The 2B classification was substantially based on experimental animal studies. Some bitumens (asphalts) diluted, dissolved, or liquified in solvents (i.e. cutback asphalt) have produced skin cancer in laboratory animals at the sites of application. Based on skin painting data in laboratory animals, IARC has concluded that there is sufficient evidence of carcinogenicity of those extracts. IARC regards it as prudent to treat a material for which there is sufficient evidence of carcinogenicity in animals as if it is carcinogenic in humans

12. ECOLOGICAL INFORMATION

Not Determined

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13. DISPOSAL CONSIDERATIONS

RCRA

Is the unused product a RCRA hazardous waste if discarded? Non RCRA Regulated
If yes, the RCRA ID number is: Not applicable

OTHER DISPOSAL CONSIDERATIONS: Approved landfill

The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

14. TRANSPORT INFORMATION

US DOT HAZARD CLASS: Not regulated

US DOT ID NUMBER: Not regulated

For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

15. REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA)

TSCA INVENTORY STATUS: Ingredients are listed on TSCA Inventory

OTHER TSCA ISSUES: None

SARA TITLE III/CERCLA

"Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs) exist for the following ingredients.

<u>INGREDIENT NAME</u>	<u>SARA/CERCLA RQ (lb)</u>	<u>SARA EHS TPQ (lb)</u>
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No ingredients listed in this section

Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

SECTION 311 HAZARD CLASS: Immediate, Delayed, Fire

SARA 313 TOXIC CHEMICALS:

The following ingredients are SARA 313 "Toxic Chemicals". CAS numbers and weight percents are found in Section 2.

<u>INGREDIENT NAME</u>	<u>COMMENT</u>
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No ingredients listed in this section

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STATE RIGHT-TO-KNOW

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

INGREDIENT NAME

WEIGHT % COMMENT

No ingredients listed in this section

ADDITIONAL REGULATORY INFORMATION: California Proposition 65 material - Contains chemicals known to the State of California to cause cancer, birth defects, & other reproductive harm.

WHMIS CLASSIFICATION (CANADA): Class D, Division 2, Subdivision B

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

FOREIGN INVENTORY STATUS: Not Determined

16. OTHER INFORMATION

CURRENT ISSUE DATE: May 2005

PREVIOUS ISSUE DATE:

CHANGES TO MSDS FROM PREVIOUS ISSUE DATE ARE DUE TO THE FOLLOWING:

None

OTHER INFORMATION: None