

# MATERIAL SAFETY DATA SHEET

## TARRED ROOFING FELT

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** TARRED ROOFING FELT

**OTHER/GENERIC NAMES:** Tarred Roofing Felt (Coal Tar)

**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

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

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<u>INGREDIENT NAME</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
*Refined Coal Tar	65996-89-6	55-65

\* Mixture of organic compounds, primarily 3 to 40 ringed polynuclear aromatic hydrocarbons, including some substituted compounds. It is estimated that as many as 4500+ compounds may be present.

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.

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### 3. HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW:** Vapor can cause moderate to severe irritation of eyes, nose, throat and respiratory tract. Can cause burning and itching with reddening of the skin, which is accentuated by sunlight. Burning may emit hazardous fumes, which can form flammable or explosive mixtures.

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#### POTENTIAL HEALTH HAZARDS

**SKIN:** Contact with skin can result in irritation which when not washed off or when accentuated by sunlight, can result in minor burns.

**EYES:** Overexposure to product vapors can result in irritation. Eye contact with product will result in irritation, which in the absence of recommended first aid can result in minor burns to the eyes.

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**INHALATION:** Overexposure to vapor may result in irritation to respiratory tract. Prolonged exposure in significant excess of permissible air concentrations can result in acute toxic effects, such as coughing, sneezing, headache, dizziness, respiratory difficulty, and convulsions.

**INGESTION:** Irritation of the gastrointestinal tract followed by nausea and vomiting, abdominal discomfort, rapid pulse, etc.

**DELAYED EFFECTS:** Prolonged and repeated skin exposure over many months to years, in the absence of recommended hygiene practices, may lead to changes in skin pigmentation and benign skin growths. In some cases, skin cancer may occur after many years of exposure. These effects appear to be exacerbated by simultaneous exposure to ultraviolet light (sunlight). Long term exposure to coal tar pitch volatiles has been associated with the development of skin, kidney, bladder, scrotum and lung cancer.

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>
Refined Coal Tar	Known Carcinogen	1- Known Carcinogen	Carcinogen

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### 4. FIRST AID MEASURES

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

**EYES:** Flush eyes immediately with plenty of water or mineral spirits for at least 15 minutes. Call a physician.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration; preferably mouth-to-mouth. If breathing is difficult, give oxygen and call a physician.

**INGESTION:** If conscious, first induce vomiting, then take 2 tablespoons of activated charcoal – USP (drug grade) in water. Get immediate medical assistance.

**ADVICE TO PHYSICIAN:** No additional instructions.

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### 5. FIRE FIGHTING MEASURES

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#### 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 applicable

**OSHA FLAMMABILITY CLASS:** Not applicable

#### **EXTINGUISHING MEDIA:**

See: Special Fire Fighting Precautions

#### **UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Water/fog can control fire. When heated to decomposition, it emits lower molecular weight compounds.

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### **SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS:**

Water/fog can control unconfined fires. Scott Air-Pack should be available.

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### **6. ACCIDENTAL RELEASE MEASURES**

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**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**

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**NORMAL HANDLING:** (Always wear recommended personal protective equipment.)

Wear clothing closed at the neck, long sleeves and non-porous type gloves.

**STORAGE RECOMMENDATIONS:**

Store in a cool, dry, well ventilated area.

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### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**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 are 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>
Refined Coal Tar (as Coal Tar Pitch Volatiles, CTPV; based on benzene soluble fraction)	0.2 mg/m <sup>3</sup> TWA	0.2 mg/m <sup>3</sup> TWA	None

\* = Workplace Environmental Exposure Level (AIHA).

\*\* = Biological Exposure Index (ACGIH).

**OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS:**

None

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>APPEARANCE:</b>	Black solid	
<b>PHYSICAL STATE:</b>	Solid	
<b>MOLECULAR WEIGHT:</b>	Not applicable	
<b>CHEMICAL FORMULA:</b>	Mixture	
<b>ODOR:</b>	Aromatic	
<b>SPECIFIC GRAVITY (water = 1.0):</b>	Not determined	
<b>SOLUBILITY IN WATER (weight %):</b>	Insoluble	
<b>pH:</b>	Not determined	
<b>BOILING POINT:</b>	Not applicable	
<b>MELTING POINT:</b>	Not applicable	
<b>VAPOR PRESSURE:</b>	Not applicable	
<b>VAPOR DENSITY (air = 1.0):</b>	Not applicable	
<b>EVAPORATION RATE:</b>	Not applicable	<b>COMPARED TO:</b> Not applicable
<b>% VOLATILES:</b>	Not applicable	
<b>FLASH POINT:</b>	Not applicable	

(Flash point method and additional flammability data are found in Section 5.)

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### 10. STABILITY AND REACTIVITY

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**NORMALLY STABLE? (CONDITIONS TO AVOID):** Stable

**INCOMPATIBILITIES:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** When burned, the material emits lower molecular weight compounds.

**HAZARDOUS POLYMERIZATION:** Will not occur

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### 11. TOXICOLOGICAL INFORMATION

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**IMMEDIATE (ACUTE) EFFECTS:** Refer to section 3.

**DELAYED (SUBCHRONIC AND CHRONIC) EFFECTS:** Prolonged and repeated skin exposure over many years in the absence of recommended hygiene practices may lead to changes in skin pigmentation, benign skin growths and may in some cases, result in the development of skin cancer. Long term exposure to coal tar pitch volatiles has been associated with the development of skin, kidney, bladder, scrotum and lung cancer.

**OTHER DATA:** None

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### 12. ECOLOGICAL INFORMATION

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Stable at ambient temperatures.

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### 13. DISPOSAL CONSIDERATIONS

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#### RCRA

Is the unused product a RCRA hazardous waste if discarded? NO

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If yes, the RCRA ID number is: No applicable

**OTHER DISPOSAL CONSIDERATIONS:** Burial or incineration.

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 applicable

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 components of this complex mixture:

<u>INGREDIENT NAME</u>	<u>WEIGHT%</u>	<u>SARA/CERCLA RQ (lb)</u>	<u>SARA EHS TPQ (lb)</u>
Acenaphthalene	0.1	5000	-
Acenaphthene	1.4	100	-
Anthracene	0.8	5000	-
Benz(a)anthracene	0.5	10	-
Benzo(a)phenanthrene (chrysene)	0.5	100	-
Benzo(a) pyrene	0.4	1	-
Benzo(b)fluoranthene	0.5	1	-
Benzo(k)fluoranthene	-	5000	-
Benzo(g,h,i)perylene	0.1	5000	-
Dibenzofuran	0.9	100	-
Fluorene	1.2	5000	-
Fluoranthene	2.1	100	-
Indeno(1, 2, 3-cd)pyrene	0.1	100	-
2-Methyl naphthalene	2.0	-	-
Naphthalene	3.6	100	-
Phenanthrene	3.2	5000	-
Pyrene	0.9	5000	1000/10,000*

\* See 40 CFR 355.30(2)(I)

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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], State Emergency Response Commission and to your Local Emergency Planning Committee.

**SECTION 311 HAZARD CLASS:** Immediate, Delayed, Fire

**SARA 313 TOXIC CHEMICALS:**

The following components of this complex mixture are SARA 313 "Toxic Chemicals"

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>WEIGHT %</u>
Anthracene	120-12-7	0.8
* Benz(a)anthracene	56-55-3	0.5
* Benzo(a)phenanthrene (chrysene)	218-01-9	0.5
* Benzo(a) pyrene	50-32-8	0.4
* Benzo(b)fluoranthene	205-99-2	0.5 (includes (k))
* Benzo(k)fluoranthene	207-08-9	included above
*Benzo(g,h,i)perylene	191-24-2	0.1
Dibenzofuran	132-64-9	0.9
* Indeno(1, 2, 3-cd)pyrene	193-39-5	0.1
Naphthalene	91-20-3	3.6
Phenanthrene	85-01-8	3.2
Polycyclic aromatic compounds (20 compounds)	-	2.0
<i>* Also included in "polycyclic aromatic compounds" category</i>		

**STATE RIGHT-TO-KNOW**

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

<u>INGREDIENT NAME</u>	<u>WEIGHT %</u>	<u>COMMENT</u>
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 A

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

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## **16. OTHER INFORMATION**

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**CURRENT ISSUE DATE:** May 2005

**PREVIOUS ISSUE DATE:**

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

None

**OTHER INFORMATION:** None