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## MATERIAL SAFETY DATA SHEET

No: Asphalt Cement Revision: 0 Page: 1/2
By: Crafc, Inc. Date: 5/13/02

### Section I - Product Identification

Product Name: Asphalt Cement 702-0700 Part Number: 34527	
Chemical Name, Family & Synonyms: Asphalt Cement	Note: This MSDS complies with requirements of the Hazard Communication Standard, OSHA 29 CFR 1910.1200
Formula: Asphalt cement	HAZARD CLASSIFICATION Health = 1 Fire = 1 Reactivity = 0
DOT Shipping Classification:	EMERGENCY ASSISTANCE CRAFCO 1-602-276-0406 CHEMTREC 1-800-424-9300

### Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s)	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(opt.)
Asphalt (CAS 8052-42-4) NOTE: The TLV is for asphalt fumes when heated		.5 mg/m <sup>3</sup>		

### Section III - Physical/Chemical Characteristics

Boiling Point	Greater than 600F (316C)	Specific Gravity (H <sub>2</sub> O=1)	1.0
Vapor Pressure (mm Hg.)	Not Applicable	Melting Point (ASTM D36, Ring And Ball Softening Point)	130-167F (54.5-75C)
Vapor Density (AIR = 1)	Not Applicable	Evaporation Rate (Butyl Acetate = 1)	Not Applicable. Material does not experience evaporation
Solubility in Water Negligible			
Appearance and Odor Black, adhesive, solid at 77F (25C). Petroleum product odor, liquid at temperatures above 275F (135C).			

### Section IV - Fire and Explosive Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
C.O.C.(ASTM D92) 450F (232C) min	Not Applicable	-	-
Extinguishing Media CO <sub>2</sub> , dry chemical, foam			
Special Fire Procedures Use self controlled breathing apparatus in enclosed areas, and full body protection gear including face shield, trench coats, gloves, and rubber boots. Concentrated vapors from combustion should not be breathed.			
Unusual Fire and Explosion Hazards Black, dense haze smoke forms during burning. Keep sparks away from concentrated fumes. Material will not burn unless preheated.			

CONSISTENT AND DEPENDABLE SERVICE AND PRODUCTS  
 TO SATISFY THE CUSTOMER AND OUR COMPANY'S GOALS

**Section V - Reactivity Data**

No. Asphalt Cement 702-0700

Page 2/2

Stability	Unstable		Conditions to Avoid Do not expose fumes from heated product to sources of ignition
	Stable	X	
Incompatibility (Materials to Avoid) Strong oxidizing materials.			
Hazardous Decomposition or Byproducts Combustion may produce various oxides of carbon (CO, CO <sub>2</sub> , etc.)			
Hazardous	May Occur		Conditions to Avoid
Polymerization	Will Not Occur	X	None known

**Section VI - Health Hazard Data**

Route(s) of Entry	Inhalation? Yes (Fumes)	Skin? Yes (Hot Material)	Ingestion: Rare
Health Hazards (Acute and Chronic) High fume concentrations may irritate respiratory tract and eyes. Hot product may cause minor to severe burns when in skin contact.			
Carcinogenicity	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure Inhalation-Irritation, nausea, dizziness, headaches; Skin Contact - solid product, no irritation; Hot Product - burns			
Medical Conditions Generally Respiratory problems may be aggravated by petroleum fumes Aggravated by Exposure			
Emergency and First Aid Procedures Inhalation - remove to fresh air, assist breathing if necessary; Burns - cool with water, remove with mineral oil, soap and water. Get medical help for severe burns.			

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled Permit material to cool to a solid. Cover with earth to reduce adhesiveness, place in appropriate containers for transporting to a waste disposal site.	
Waste Disposal Method Bury collected material in an approved landfill or burn in an approved incinerator. Follow local state and federal regulations.	
Precautions to Be Taken in Handling and Storing Keep pallets intact during storage. Packages of unused material present no known health or safety hazards.	
Other Precautions Be aware of burn hazards which are possible if skin contact occurs during use. Avoid inhalation of excessive amounts of fumes. Practice good personal hygiene.	

**Section VIII - Control Measures**

Respiratory, Protection (Specify Type) For high fume concentrations, NIOSH respirator with organic and mist filter	
Ventilation	Local Exhaust To keep fumes below TLV Special Not generally required
	Mechanical (General) Not generally required Other Not generally required
Protective Gloves	To protect hands and arms from hot material   Eye Protection Safety Goggles
Other Protective Clothing or Equipment: To prevent skin contact with hot material	
Work/Hygienic Practices Use good personal hygiene, wash hands and exposed skin with soap and water	