

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER ➔RUB-ARB®		PRODUCT IDENTIFICATION NUMBER (PIN)	
PRODUCT USE ➔ MODIFIED ASPHALT CEMENT PAVING BINDER			
MANUFACTURE'S NAME INFRATECH POLYMERS INC.		SUPPLIERS NAME INFRATECH POLYMERS INC.	
STREET ADDRESS #4-19747 TELEGRAPH TRAIL		STREET ADDRESS #4-19747 TELEGRAPH TRAIL	
CITY Langley	PROVINCE B.C.	CITY Langley	PROVINCE B.C.
POSTAL CODE V1M3E6	EMERGENCY TEL. NO. 1-800-567-4888	POSTAL CODE V1M3E6	EMERGENCY TEL. NO. 1-800-567-4888

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC50 OF INGREDIENT (SPECIFY SPECIES)
Unoxidized Asphalt	77-90	8052-42-4	>5000 mg/kg (Rat) oral	
Tire Rubber Crumb	10-23			

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE Solid at 25°C	ODOUR AND APPEARANCE Petroleum products odour Black, Solid, Liquid above 135 °C		ODOUR THRESHOLD (PPM) N/A	
VAPOUR PRESSURE (mm Hg) N/A	VAPOUR DENSITY (AIR = 1) N/A	EVAPORATION RATE N/A	BOILING POINT (°C) min. 350 °C	FREEZING POINT (°C) N/A
pH N/A	SPECIFIC GRAVITY 1.0 to 1.2	COEFF. WATER/OIL DIST. N/A		

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF YES, UNDER WHICH CONDITIONS? ➔ Material will not burn unless preheated		
MEANS OF EXTINCTION CO₂ , Dry chemicals, Foam		
FLASHPOINT (°C) AND METHOD min. 235 °C C.O.C.	UPPER FLAMMABLE LIMIT (% BY VOLUME) N/A	LOWER FLAMMABLE LIMIT (% BY VOLUME) N/A
AUTOIGNITION TEMPERATURE (°C) N/A	HAZARDOUS COMBUSTION PRODUCTS Black dense haze smoke, CO, CO₂ ,other unidentified compounds	
EXPLOSION DATA ➔ N/A	SENSITIVITY TO IMPACT	SENSITIVITY TO STATIC DISCHARGE N/A

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF NO, UNDER WHICH CONDITIONS? ➔ Stable at ambient conditions	
INCOMPATIBILITY WITH OTHER SUBSTANCES YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> IF SO, WHICH ONES? ➔ Avoid contact to strong oxidizing materials	
REACTIVITY, AND UNDER WHAT CONDITIONS? Can be dissolved in organic solvents (toluene)	
HAZARDOUS DECOMPOSITION PRODUCTS See hazardous combustion products of thermal decomposition.	

PRODUCT IDENTIFIER ➔ RUB-ARB®

SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY
 SKIN CONTACT SKIN ABSORPTION EYE CONTACT INHALATION INGESTION

EFFECTS OF ACUTE EXPOSURE TO PRODUCT **Hot product may cause minor to severe burns when in skin contact**

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

EXPOSURE LIMITS N/A	IRRITANCY OF PRODUCT N/A	SENSITIZATION TO PRODUCT N/A	CARCINOGENICITY Not listed as carcinogens
TERATOGENICITY N/A	REPRODUCTIVE TOXICITY N/A	MUTAGENICITY N/A	SYNERGISTIC PRODUCTS N/A

SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES (SPECIFY) Insulated	RESPIRATOR (SPECIFY) Under normal cond. not required Use organic cartridge	EYE (SPECIFY) Safety Goggles
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FOOTWEAR (SPECIFY) Safety Footwear	CLOTHING (SPECIFY) with full length sleeves and pants	OTHER (SPECIFY) As required by situation
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ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS.) **Under normal conditions respiratory protection is not required. May be required in poor ventilated areas. Ventilation.**

LEAK AND SPILL PROCEDURE **Permit material to cool to a solid. Cover with earth to reduce adhesiveness. Place in appropriate containers.**

WASTE DISPOSAL **Place in appropriate containers for transporting to a waste disposal site.**

HANDLING PROCEDURES AND EQUIPMENT **When hot use safety protective clothing and equipment.**

STORAGE REQUIREMENTS **Keep containers closed. Store in a cool, well ventilated place.**

SPECIAL SHIPPING INFORMATION **No specific requirements.**

SECTION 8 - FIRST AID MEASURES

SPECIFIC MEASURES **For hot material in contact with skin, cool with water to dissipate heat. For extensive burns seek medical attention. For hot material, no attempts should be made to remove material from skin or to remove contaminated clothing as the damaged flesh may easily be torn. For hot material in contact with eyes, flush with water for 15 minutes and see a physician. In case of fumes inhalation: remove to fresh air. Restore breathing and administer oxygen if necessary. Seek immediate medical attention.**

SECTION 9 - PREPARATION DATE OF MSDS

PREPARED BY (GROUP, DEPARTMENT, ETC.) Research Department	PHONE NUMBER (604) 888-8808	DATE April 2000
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