



# Material Safety Data Sheet

## BERAM Crack and Joint Sealant

### 1. PRODUCT MANUFACTURER / MSDS PREPARATION INFORMATION

**Product Manufacturer/Supplier:** McAsphalt Industries Ltd.  
8800 Sheppard Ave. East  
Scarborough, Ontario  
M1B 5R4  
416) 281-8181

**MSDS Prepared By:** Operations Department

**Product:** i) Beram 190 – PMA; (ii) Beram 195; (iii) Beram 195 Low Modulus; (iv) Beram 3060 Low Modulus; (v) Beram AR; (vi) Beram Direct Fire (DF); (vii) Beram Rap Rejuvenator

**Product Use:** Joint and Crack Sealant

**Revision Date:** October 19, 2011

**Supersedes:** February 15, 2010

**EMERGENCY NUMBER:** CANUTEC – (613) 996-6666

**WHMIS:** Not Controlled

**TDG:** Not Regulated

**Workplace Label:** Health-2 Fire-0 Reactivity – 0 Compliance Center

### 2. INGREDIENTS / COMPOSITION

COMPONENT(S)	CAS #	% (w/w)	LD <sub>50</sub>	LC <sub>50</sub>	PIN
Asphalt	8052-42-4	50-95	N/A	N/A	N/A
Ground Rubber	64741-88-4	0-30	N/A	N/A	N/A
Oil	64742-04-7	0-30	N/A	N/A	N/A
Filler	N/A	10-40	N/A	N/A	N/A
Polymer	9003-55-8	0-10	N/A	N/A	N/A
Antistripping Agent	64754-94-5	0-1	N/A	N/A	N/A

### 3. PHYSICAL DATA

<b>Physical State:</b>	Solid	<b>Appearance:</b>	Black
<b>Specific Gravity:</b>	1.15 - 1.25approx	<b>Odor:</b>	Asphalt type odor
<b>Freezing Point:</b>	0°C	<b>Odor Threshold:</b>	N/A
<b>Boiling Point:</b>	N/A	<b>Solubility:</b>	N/Av
<b>Vapour Pressure:</b>	N/A	<b>Evaporation Rate:</b>	N/Av
<b>Vapour Density:</b>	N/A	<b>pH:</b>	N/A

#### 4. FIRE & EXPLOSION HAZARD

Flash Point & Method:	200-260°C
Lower Flammability Limit:	N/A
Upper Flammability Limit:	N/A
Auto-Ignition Temperature:	>400°C
Fire Fighting Media:	Foam, Dry Chemical, Water spray with caution
Explosion/Flammability:	N/A
Hazardous Combustion Products:	CO, NO <sub>x</sub> , SO <sub>x</sub> , sulphur products

#### 5. REACTIVITY DATA

Stability:	Stable
Incompatible Materials:	Water, or materials with low flash points
Conditions of Reactivity:	N/A
Hazardous Decomposition Products:	CO, SO <sub>x</sub> , NO <sub>x</sub> , other Sulphur compounds
Synergistic Products:	None

#### 6. HEALTH HAZARD INFORMATION

Skin:	Can cause skin irritation, dermatitis. Skin defatting with chronic exposure
Eyes:	Danger when hot
Inhalation:	Yes
Exposure Limit:	5mg/M <sup>3</sup> Asphalt fumes, caution in confined spaces
Ingestion:	Unlikely, should be avoided
<b>No known carcinogenic, teratogenic or reproductive effects.</b>	

#### 7. PREVENTATIVE MEASURES

Personal Protective Equipment:	Gloves, goggles, face shield. No exposed skin.
Handling/Shipping/Storage:	Containers cleaned thoroughly before use.
Ventilation:	Ensure adequate ventilation
Disposal:	See appropriate federal, provincial, municipal regulations
LEAKS AND SPILLS:	Contain with earth or sand, allow cooling and hardening. Eliminate sources of ignition. Notify authorities when in water, or large spills.

#### 8. FIRST AID

SKIN:	<b>DO NOT REMOVE HOT ASPHALT FROM BURN!</b> Cool in water if irritation persists. Seek medical aid
EYES:	Gently flush with lots of water. Seek Medical Help.
INHALATION:	Remove victim to fresh air. Seek Medical Help.
INGESTION:	Give lots of water to drink. Seek Medical Help.

**9. NOTE**

The information contained herein relates only to this product or material and may not be valid when used in combination with any other product or material or in any process. If the process is not to be used under conditions, which are normal or reasonably foreseeable, this information cannot be relied upon as complete or applicable. The information contained herein is based upon the information available at the indicated date of preparation, the above supplier assumes no liability whatsoever for the accuracy or completeness of the information.