



Material Safety Data Sheet

Blackmac

1. PRODUCT MANUFACTURER/MSDS PREPARATION INFORMATION

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

Prepared By: Operations Department
Product Use: Driveway Sealer
Product: Blackmac
Revision Date: February 8, 2010
Supercedes: January 8, 2008
EMERGENCY NUMBER: CANUTEC – (613) 996-6666
WHMIS: B2-Flammable Liquid, D2B – Toxic Material
Transportation of Dangerous Goods: UN 1999 Tars, Liquid Class 3, PGII - Flammable Liquid
Workplace Label: Health-2 Fire-3 Reactivity – 0 Personal Protection – P (Compliance Centre)

2. INGREDIENTS / COMPOSITION

COMPONENT (S)	CAS #	% (w/w)	LD ₅₀	LC ₅₀	PIN
Asphalt	8052-42-4	40-70	N/A	N/A	N/A
Solvent (Naptha)	64742-48-9	30-60	N/Av	N/Av	UN 1255

For in-situ ingredients in naptha see section 6

3. PHYSICAL DATA

Physical State: Liquid	Appearance: Black
Specific Gravity: 0.9@ 15°C	Odour: Tar/solvent odour
Freezing Point: N/Av	Odour Threshold: N/Av
Boiling Point: > 80°C	Solubility: Not water soluble
Vapour Pressure: 380mmHg@20°C	Evaporation Rate: N/A
Vapour Density: 3.87 (air=1)	pH: N/A

4. FIRE & EXPLOSION HAZARD

Flash Point & Method: 15°C PMCC
Auto-Ignition Temperature: Not determined
Fire Fighting Media: CO₂, Dry Chemical, Water spray with caution
Explosion/Flammability: Eliminate sources of ignition, (ie flames/sparks) may be sensitive to static discharge
Hazardous Combustion Products: CO, NO_x, SO_x, sulfur products

Flammability Limits: unknown
Estimate - LEL 0.8% UEL 6.0%

THIS PRODUCT IS EXTREMELY FLAMMABLE!!
USE CAUTION WHEN HANDLING ANY CONTAINERS(INCLUDING EMPTY)
THEY MAY CONTAIN EXPLOSIVE AIR/SOLVENT MIXTURES.

5. REACTIVITY DATA

Stability: Stable
Incompatible Materials: Water, Strong Oxidizers
Conditions of Reactivity: N/A
Hazardous Decomposition Products: CO, SO_x, NO_x, other Sulfur compounds
Synergistic Products: None

6. HEALTH HAZARD INFORMATION

Skin: can cause skin irritation, dermatitis. Skin defatting with chronic exposure
Eyes: yes – irritation, can cause conjunctivitis
Inhalation: yes, irritation of nose, respiratory tract, nausea, headaches
Exposure Limits: *check local regulations*

Compound	CAS #	Exposure Limit (TWA)	% of Blackmac
Asphalt Fume	8052-42-4	5mg/M ³	
Petroleum Distillates		100 PPM	
Benzene	71-43-2	1 ppm	0.2% approx
Xylene	1330-20-7	100 ppm	1.64 % approx
Hexane	110-54-3	50 ppm	0.86 % approx
Toluene	108-88-3	100 ppm	0.86% approx
Cyclohexane	110-54-3	300 ppm (NIOSH)	1.00% approx

Contains benzene, a known carcinogen.

Use extra caution in confined spaces, ensure adequate ventilation to limit exposure

Ingestion: yes, - (ingestion unlikely) do not induce vomiting.

7. PREVENTATIVE MEASURES

Personal Protective Equipment: Rubber gloves, goggles, face shield, respirator with organic vapour cartridge

Handling/Shipping/Storage: **Do not cut or weld on or near empty/full containers!**
Flammable/explosive vapours may be present in all containers including empty containers.
Do not store near flames or heat. No Smoking.
Ground containers when transferring.

Ventilation: Ensure adequate ventilation, to limit exposure & remove flammable vapours

Disposal: See appropriate federal, provincial, municipal regulations

LEAKS AND SPILLS: Contain with earth or sand, allow to cool and harden. Eliminate sources of ignition. Notify authorities when in water, or large spills.

8. FIRST AID

SKIN: Wash with soap and 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.