



# Material Safety Data Sheet

## Perma Patch

### 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:** Engineering and Risk Management

**Product:** Perma-Patch  
**Product Use:** Asphalt, Cold Mix For Pot Hole Repair  
**Revision Date:** February 3, 2010 **Supersedes:** December 15, 2008  
**EMERGENCY NUMBER:** CANUTEC – (613) 996-6666  
**WHMIS:** B3 Combustible Liquid, D2B Other Toxic Effects (untested)  
**Workplace Label:** Health-2 Fire-2 Reactivity - 0  
**Transport:** Elevated Temperature Liquid, Flammable, NOS, Class 3, UN3256, PGIII

### 2. INGREDIENTS / COMPOSITION

COMPONENT(S)	CAS #	% (w/w)	LD <sub>50</sub>	LC <sub>50</sub>	PIN
Fuel Oil	68476-30-2	10-30	N/A	N/A	UN1202
Asphalt	8052-42-4	50-80	N/A	N/A	N/A
Asphalt Additive	Proprietary	1-5	N/A	N/A	N/Av

### 3. PHYSICAL DATA

**Physical State:** Liquid **Appearance:** Black  
**Specific Gravity:** 0.94-1.0@ 15°C **Odour:** Tar, fuel  
**Freezing Point:** N/A **Odour Threshold:** N/A  
**Boiling Point:** >160°C **Solubility:** Not water soluble  
**Vapour Pressure:** N/A **Evaporation Rate:** N/A  
**Vapour Density:** 3-4 (air=1) **pH:** N/A

### 4. FIRE & EXPLOSION HAZARD

**Flash Point & Method:** >80°C (COC) **Flammability Limits:** 0.7-6.5% (Estimate)  
**Auto-Ignition Temperature:** N/A  
**Fire Fighting Media:** CO<sub>2</sub>, 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<sub>x</sub>, SO<sub>x</sub>, sulfur products

**THIS PRODUCT IS COMBUSTIBLE!!**  
**USE CAUTION WHEN HANDLING ANY CONTAINERS(INCLUDING EMPTY)**  
**THEY MAY CONTAIN EXPLOSIVE AIR/FUEL MIXTURES.**

## 5. REACTIVITY DATA

**Stability:** Stable  
**Incompatible Materials:** Water, Strong Oxidizers  
**Conditions of Reactivity:** N/A  
**Hazardous Decomposition Products:** CO, SO<sub>x</sub>, NO<sub>x</sub>, 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:** **5mg/M<sup>3</sup> Asphalt fumes (Ontario) check local regulations**  
**100 PPM for Fuel oil**  
**Use extra caution in confined spaces,** ensure adequate ventilation to limits vapour exposure  
**Ingestion:** yes, - (ingestion unlikely) do not induce vomiting.  
**No known carcinogenic, teratogenic or reproductive effects.**  
May contain traces of benzene, a known carcinogen.

## 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.  
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.