

# MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION NUMBER: (414) 354-6417  
CHEMTREC: (800) 424-9300

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## I - Product Identification

### Asphalt Patch

PRODUCT CODE: 1801

CHEMICAL FORMULATION: Asphalt cement.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0  
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Asphalt	80-100	N/E	5 mg/m <sup>3</sup>	N	N	N	8052-42-4
Hydrogen Sulfide	<0.10	10 ppm	10 ppm	N	N	N	7783-06-4
Petroleum Distillate	<20.0	N/E	N/E	N	N	N	Mixture

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - Physical Data

BOILING POINT (°F): > 380 SPECIFIC GRAVITY (WATER = 1): 0.99-1.03  
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): N/D  
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): N/D  
SOLUBILITY IN WATER: Negligible pH: N/D  
APPEARANCE AND ODOR: Black viscous liquid; mild petroleum odor.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): 200 (minimum) (TEST METHOD): T.O.C.  
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/D LOWER: N/D  
EXTINGUISHING MEDIA: Water spray, foam, carbon dioxide, dry chemical.  
SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.  
UNUSUAL FIRE AND EXPLOSION HAZARD: Water directed into elevated temperature material may cause severe foaming and splatter as it vaporizes.

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**V - Reactivity Data**

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**STABILITY:** Stable

**INCOMPATIBILITY:** Strong oxidizers (chlorine, hydrogen peroxide, organic peroxides, nitric acid, chromic acid, oxygen under pressure.

**CONDITIONS TO AVOID:** Avoid overheating, sources of ignition.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon, nitrogen and sulphur, and other harmful products.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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**VI - Health Hazard Data**

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**ROUTES OF ENTRY**    **INHALATION:** X        **EYE CONTACT:** X        **SKIN CONTACT:** X        **INGESTION:** X  
**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None

**EFFECTS OF OVEREXPOSURE**

**IF IN EYES:** Heated material can cause thermal burns.

**IF ON SKIN:** Heated material can cause thermal burns. No effect expected from cold material for short-term exposures. Prolonged or repeated contact may cause some skin irritation.

**IF SWALLOWED:** May cause gastrointestinal irritation. Get medical attention.

**IF INHALED:** Prolonged breathing of vapors should be avoided due to potential chronic effects. Vapors that evolve from heated asphalt may contain hydrogen sulfide (H<sub>2</sub>S). These can accumulate in containers during storage or transport. Inhalation of H<sub>2</sub>S can be harmful or fatal.

**EMERGENCY AND FIRST AID PROCEDURES**

**IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

**IF ON SKIN:** For thermal burns flush with water. Do not remove congealed solid material. Obtain medical attention.

**IF SWALLOWED:** Contact physician or poison control center immediately.

**IF INHALED:** Remove person to fresh air. Administer artificial respiration, if not breathing. Administer oxygen if breathing has stopped.

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**VII - Spill or Leak Protection**

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area and remove all sources of ignition. Contain and remove by mechanical means.

**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

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**VIII - Special Protection Information**

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**RESPIRATORY PROTECTION:** Use with adequate ventilation. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

**VENTILATION**

**LOCAL:** Recommended

**MECHANICAL:** Not required

**PROTECTIVE GLOVES:** Chemical resistant.

**EYE PROTECTION:** Goggles or face shield.

**OTHER PROTECTIVE EQUIPMENT:** Protective clothing.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place away from heat or open flame. Keep container tightly closed when not in use.

**OTHER PRECAUTIONS:** Keep out of reach of children.

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**IX - Transportation Information (ground transportation only)**

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**DOT ID NUMBER:** None

**DOT PROPER SHIPPING NAME:** None

**DOT CLASS:** None

**DOT PACKING GROUP:** None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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